

**2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT**

UPPER AIR QUALITY CONTROL IMPOUNDMENT, LOWER AIR
QUALITY CONTROL IMPOUNDMENT, AND DRY ASH LANDFILL
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

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for Evergy Metro, Inc.
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2025 Annual Groundwater Monitoring
and Corrective Action Report

This Annual Groundwater Monitoring and Corrective Action Report documents the groundwater monitoring program for the La Cygne Generating Station Upper Air Quality Control (UAQC) impoundment, Lower Air Quality Control (LAQC) impoundment, and Dry Ash Landfill (LF-LAQC) (collectively, the CCR System) consistent with applicable sections of Title 40 Code of Federal Regulations §§ 257.90 through 257.98, and describes activities conducted in the prior calendar year (2025) and documents compliance with the U.S. Environmental Protection Agency Coal Combustion Residuals Rule. I certify that the 2025 Annual Groundwater Monitoring and Corrective Action Report for the La Cygne CCR System is, to the best of my knowledge, accurate and complete.

Signed: 
Professional Geologist

Print Name: Mark Nicholls
Kansas License No.: Professional Geologist No. 881
Title: Technical Expert 2
Company: Haley & Aldrich, Inc.



1. Introduction

This *2025 Annual Groundwater Monitoring and Corrective Action Report* (Annual Report) addresses the Upper Air Quality Control (UAQC) impoundment, Lower Air Quality Control (LAQC) impoundment, and Dry Ash Landfill (LF-LAQC) (collectively, the CCR System) at the La Cygne Generating Station (La Cygne), monitored by Evergy Metro, Inc. (Evergy). This Annual Report was developed in accordance with the U.S. Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule (Rule) effective October 19, 2015, including subsequent revisions, specifically Title 40 Code of Federal Regulations (40 CFR) § 257.90(e). This Annual Report documents the groundwater monitoring system for the CCR System consistent with applicable sections of § 257.90 through § 257.98, and describes activities conducted in the prior calendar year (2025) and documents compliance with the Rule. The specific requirements for the Annual Report listed in § 257.90(e) of the Rule are provided in Sections 1 and 2 of this Annual Report and are in ***bold italic font***, followed by a narrative description of how each Rule requirement has been met.

1.1 40 CFR § 257.90(e)(6) SUMMARY

A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:

1.1.1 40 CFR § 257.90(e)(6)(i) – Initial Monitoring Program

At the start 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;

At the start of the current annual reporting period (January 1, 2025), the CCR System was operating under an assessment monitoring program in compliance with 40 CFR § 257.95.

1.1.2 40 CFR § 257.90(e)(6)(ii) – Final Monitoring Program

At the end 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;

At the end of the current annual reporting period (December 31, 2025), the CCR System was operating under an assessment monitoring program in compliance with 40 CFR § 257.95 for all constituents, except lithium. An assessment of corrective measures (CMA) was conducted in accordance with 40 CFR § 257.96 for lithium, which continues to be monitored under an assessment monitoring program in accordance with 40 CFR § 257.96(b).

1.1.3 40 CFR § 257.90(e)(6)(iii) – Statistically Significant Increases

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):

1.1.3.1 40 CFR § 257.90(e)(6)(iii)(a)

Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and

The La Cygne CCR System is operating under an assessment monitoring program; therefore, no statistical evaluations were completed on Appendix III constituents in 2025.

1.1.3.2 40 CFR § 257.90(e)(6)(iii)(b)

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

An assessment monitoring program was initiated on March 1, 2024 for the La Cygne CCR System with a notification establishing assessment monitoring provided on March 1, 2024 to meet the requirements of 40 CFR § 257.95. The CCR System remained in assessment monitoring during 2025, with a corrective measures program implemented for lithium in accordance with 40 CFR § 257.96.

1.1.4 40 CFR § 257.90(e)(6)(iv) – Statistically Significant Levels

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:

1.1.4.1 40 CFR § 257.90(e)(6)(iv)(A) – Statistically Significant Level Constituents

Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;

Statistically significant levels (SSLs) above the groundwater protection standards (GWPSs) identified in 2025 for the November 2024 and May 2025 semiannual assessment monitoring sampling events are listed in Table I. A statistical evaluation for the semiannual assessment monitoring sampling event from November 2024 was completed in April 2025. An addendum to the original statistical analyses¹ for the November 2024 semiannual assessment monitoring sampling event was completed in September 2024 to address further analysis of the analytical data in general accordance with the *Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities* dated March 2009 (USEPA, 2009).²

A statistical evaluation for the semiannual assessment monitoring sampling event from May 2025 was completed in September 2025. The statistical evaluation reports for semiannual assessment monitoring sampling events from November 2024 and May 2025 were completed the calendar year 2025 and are included as Attachment 1.

¹ SCS Engineers, 2025. *Assessment Monitoring Program November 2024 Sampling Event, Notification of Statistically Significant Level (40 CFR § 257.95(g)), La Cygne Generating Station, CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment, Multi-Unit Groundwater Monitoring System*. May.

² U.S. Environmental Protection Agency, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities (Unified Guidance)*. EPA 530/R-09-007. March.

1.1.4.2 40 CFR § 257.90(e)(6)(iv)(B) – Initiation of the Assessment of Corrective Measures

Provide the date when the assessment of corrective measures was initiated for the CCR unit;

A CMA was initiated on January 1, 2025 for lithium at the La Cygne CCR System.

1.1.4.3 40 CFR § 257.90(e)(6)(iv)(C) – Assessment of Corrective Measures Public Meeting

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

A public meeting was not held in 2025. A public meeting to discuss the results of the CMA will be held at least 30 days prior to the selection of remedy in accordance with § 257.96(e).

1.1.4.4 40 CFR § 257.90(e)(6)(iv)(D) – Completion of the Assessment of Corrective Measures

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

The CMA was completed on May 30, 2025 for the La Cygne CCR System.

1.1.5 40 CFR § 257.90(e)(6)(v) – Selection of Remedy

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

A remedy was not selected during 2025 for lithium at the La Cygne CCR System .

1.1.6 40 CFR § 257.90(e)(6)(vi) – Remedial Activities

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

No remedial activities have been initiated in 2025; therefore, no demonstration or certification is applicable for this multi-unit system.

2. 40 CFR § 257.90 Applicability

2.1 40 CFR § 257.90(a)

All CCR landfills, CCR surface impoundments, and lateral expansions of CCR units are subject to the groundwater monitoring and corrective action requirements under §§ 257.90 through 257.98, except as provided in paragraph (g) of this section.

Evergy has installed and certified a multi-unit groundwater monitoring system at the La Cygne CCR System. The CCR System is subject to the groundwater monitoring and corrective action requirements described under 40 CFR §§ 257.90 through 257.98. This document addresses the requirement for the Owner/Operator to prepare an Annual Report per § 257.90(e).

2.2 40 CFR § 257.90(e) – SUMMARY

Annual groundwater monitoring and corrective action report. For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For CCR management units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31, 2029, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).

This Annual Report describes monitoring completed and actions taken for the groundwater monitoring system at the La Cygne CCR System as required by the Rule. Groundwater sampling and analysis was conducted per the requirements described in § 257.93, and the status of the groundwater monitoring program described in § 257.94 and § 257.95 is also provided in this report. This Annual Report documents the applicable groundwater-related activities completed in the calendar year 2025.

2.2.1 Status of the Groundwater Monitoring Program

Appendix IV SSLs were detected above the GWPSs for lithium during the May 2024 semiannual assessment monitoring sampling events. Therefore, a CMA was initiated on January 1, 2025 for lithium. The selection of remedy required under § 257.97 was ongoing during 2025. Evergy is currently implementing an assessment monitoring program for all other constituents.

2.2.2 Key Actions Completed

The 2024 Annual Groundwater Monitoring and Corrective Action Report was completed in January 2025. Statistical evaluation was completed in April 2025 on analytical data from the November 2024 semiannual assessment monitoring sampling event. An addendum to the statistical evaluation was completed in September 2025 to provide additional statistical review of the analytical data, which confirm lithium as an SSL and removed cobalt as an SSL.

An annual assessment monitoring sampling event was completed in March 2025 to identify detected Appendix IV constituents for the semiannual sampling event in May 2025. A semiannual assessment monitoring sampling event was completed in May 2025 for detected Appendix IV constituents identified from the March 2025 annual assessment monitoring sampling event. Statistical evaluation was completed in September 2025 on analytical data from the May 2025 semiannual assessment monitoring sampling event.

An additional annual assessment monitoring sampling event was completed in June 2025 to identify detected Appendix IV constituents for subsequent semiannual sampling events in September 2025 and planned for March 2026. Semiannual assessment monitoring sampling was completed in September 2025 for detected Appendix IV constituents identified during the June 2025 annual monitoring event. Statistical evaluation of the results from the September 2025 semiannual assessment monitoring sampling event are due to be completed in January 2026 and will be reported in the next annual report.

The determination of the nature and extent of Appendix IV SSLs has been initiated pursuant to § 257.95(g). Eleven additional groundwater monitoring wells were installed in February and November 2025 to assist with defining the nature and extent of constituent migration downgradient of the CCR System. The initial groundwater samples were collected from the monitoring wells installed in February 2025. Additional nature and extent groundwater characterization samples were collected in May 2025, June 2025, and September 2025. Initial groundwater samples from nature and extent monitoring wells installed in November 2025 are anticipated to be collected in February 2026 and will be reported in the next annual report.

2.2.3 Problems Encountered

No noteworthy problems (i.e., problems could include damaged wells, issues with sample collection or lack of sampling, or problems with analytical analysis) were encountered at the CCR System in 2025.

2.2.4 Actions to Resolve Problems

No problems were encountered at the CCR System in 2025, therefore, no additional actions to resolve problems were required.

2.2.5 Project Key Activities for Upcoming Year

Key activities planned for 2026 include completion of the 2025 Annual Groundwater Monitoring and Corrective Action Report, statistical evaluation of semiannual assessment monitoring analytical data collected in September 2025, semiannual assessment monitoring and subsequent statistical evaluations,

and annual assessment monitoring. The nature and extent investigation will continue into the next calendar year (2026). The next semiannual status report for the CMA is due to be completed in May 2026. Evergy is also continuing to complete additional steps to characterize the nature and extent of lithium in groundwater at the CCR System and is working towards a selection of remedy.

2.3 40 CFR § 257.90(e) – INFORMATION

At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

2.3.1 40 CFR § 257.90(e)(1) – CCR Unit and Monitoring Well Network

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;

As required by § 257.90(e)(1), a map showing the locations of the CCR unit and associated upgradient and downgradient monitoring wells for the La Cygne CCR System is included in this report as Figure 1. As discussed in Section 2.3.2, monitoring wells installed to assist with the nature and extent at the CCR System is presented in Figure 2.

2.3.2 40 CFR § 257.90(e)(2) – Monitoring System Changes

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;

Eleven monitoring wells were installed in February and November 2025 to support the nature and extent investigation of lithium downgradient of the CCR System. The newly installed nature and extent monitoring well locations are shown on Figure 2. No monitoring wells were decommissioned in 2025.

2.3.3 40 CFR § 257.90(e)(3) – Summary of Sampling Events

In addition to all the monitoring data obtained under § 257.90 through § 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

In accordance with § 257.95(b) and § 257.95(d)(1), four independent assessment monitoring samples from each background and downgradient monitoring well were collected in 2025. A summary, including sample names, dates of sample collection, field parameters, and monitoring data obtained for the groundwater monitoring program for the CCR System is presented in Table II of this report with corresponding laboratory analytical reports provided in Attachment 2. Groundwater potentiometric elevation contour maps, along with calculated groundwater flow rates and directions, associated with each groundwater monitoring sampling events in 2025 are provided in Figures 3 through 6.

A summary, including sample names, dates of sample collection, field parameters, and validated groundwater monitoring data obtained for the nature and extent investigation for the CCR System is provided in Table III of this report, with corresponding laboratory analytical reports provided in Attachment 2.

2.3.4 40 CFR § 257.90(e)(4) – Monitoring Transition Narrative

A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and

The assessment monitoring program was initiated on March 1, 2024 with a notification establishing assessment monitoring provided on March 1, 2024 to meet the requirements of 40 CFR § 257.95. A CMA was implemented on January 1, 2025 for lithium in accordance with 40 CFR § 257.96. The CCR System remained in assessment monitoring during 2025 for all other constituents. Lithium continues to be monitored under the assessment monitoring program in accordance with 40 CFR § 257.96(b).

2.3.5 40 CFR § 257.90(e)(5) – Other Requirements

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

This Annual Report documents activities conducted to comply with 40 CFR §§ 257.90 through 257.95 of the Rule. It is understood that there are supplemental references in 40 CFR §§ 257.90 through 257.98 that must be placed in the Annual Report. The following requirements include relevant and required information in the Annual Report for activities completed in calendar year 2025.

2.3.5.1 40 CFR § 257.94(d)(3) – Demonstration for Alternative Detection Monitoring Frequency

The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority stating that the demonstration for an alternative groundwater sampling and analysis frequency meets the requirements of this section. The owner or operator must include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority in the annual groundwater monitoring and corrective action report required by § 257.90(e).

An alternative groundwater detection monitoring sampling and analysis frequency has not been established for this CCR multi-unit system; therefore, no demonstration or certification is applicable.

2.3.5.2 40 CFR § 257.94(e)(2) – Detection Monitoring Alternate Source Demonstration

The owner or operator may demonstrate that a source other than the CCR unit caused the statistically significant increase over background levels for a constituent or that the statistically significant

increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. The owner or operator must complete the written demonstration within 90 days of detecting a statistically significant increase over background levels to include obtaining a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority verifying the accuracy of the information in the report. If a successful demonstration is completed within the 90-day period, the owner or operator of the CCR unit may continue with a detection monitoring program under this section. If a successful demonstration is not completed within the 90-day period, the owner or operator of the CCR unit must initiate an assessment monitoring program as required under § 257.95. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by § 257.90(e), in addition to the certification by a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

This unit is in assessment monitoring; therefore, no detection monitoring alternate source demonstration or certification is applicable.

2.3.5.3 40 CFR § 257.95(c)(3) – Demonstration for Alternative Assessment Monitoring Frequency

The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority stating that the demonstration for an alternative groundwater sampling and analysis frequency meets the requirements of this section. The owner or operator must include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority in the annual groundwater monitoring and corrective action report required by § 257.90(e).

An alternative groundwater assessment monitoring sampling and analysis frequency has not been established for this CCR unit; therefore, no demonstration or certification is applicable.

2.3.5.4 40 CFR § 257.95(d)(3) – Assessment Monitoring Concentrations and Groundwater Protection Standards

Include the recorded concentrations required by paragraph (d)(1) of this section, identify the background concentrations established under § 257.94(b), and identify the groundwater protection standards established under paragraph (d)(2) of this section in the annual groundwater monitoring and corrective action report required by § 257.90(e).

An assessment monitoring program has been implemented at the CCR unit since March 1, 2024. Four rounds of assessment monitoring sampling were completed in 2025. Analytical results for both downgradient and upgradient wells are provided in Table II. The background concentrations (upper tolerance limits) and GWPSs established for detected Appendix IV constituents for the CCR System are included in Tables IV and V. The background concentrations and GWPSs provided in Tables IV and V were utilized for the statistical evaluations completed in 2025 for the November 2024 and May 2025 semiannual assessment monitoring sampling events, respectively.

2.3.5.5 40 CFR § 257.95(g)(3)(ii) – Assessment Monitoring Alternate Source Demonstration

Demonstrate that a source other than the CCR unit caused the contamination, or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. Any such demonstration must be supported by a report that includes the factual or evidentiary basis for any conclusions and must be certified to be accurate by a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority. If a successful demonstration is made, the owner or operator must continue monitoring in accordance with the assessment monitoring program pursuant to this section, and may return to detection monitoring if the constituents in appendices III and IV to this part are at or below background as specified in paragraph (e) of this section. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by § 257.90(e), in addition to the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

The CCR System remained in assessment monitoring during 2025 for all constituents, other than lithium, which continues to be monitored under an assessment monitoring program in accordance with 40 CFR § 257.96(b).

2.3.5.6 40 CFR § 257.96(a) – Demonstration for Additional Time for Assessment of Corrective Measures

Within 90 days of finding that any constituent listed in appendix IV to this part has been detected at a statistically significant level exceeding the groundwater protection standard defined under § 257.95(h), or immediately upon detection of a release from a CCR unit, the owner or operator must initiate an assessment of corrective measures to prevent further releases, to remediate any releases and to restore affected area to original conditions. The assessment of corrective measures must be completed within 90 days, unless the owner or operator demonstrates the need for additional time to complete the assessment of corrective measures due to site-specific conditions or circumstances. The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority attesting that the demonstration is accurate. The 90-day deadline to complete the assessment of corrective measures may be extended for no longer than 60 days. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by § 257.90(e), in addition to the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

On April 1, 2025, Evergy demonstrated the need for additional time beyond the regulatory timeline period of 90 days to complete the CMA. The Demonstration and Certification of Need for 60-Day Extension is provided in Attachment 3 of this 2025 Annual Groundwater Monitoring and Corrective Actions report for the La Cygne CCR System.

TABLES

TABLE I
SSL SUMMARY TABLE
CCR SYSTEM
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

Constituent	Sampling Event	Well ID	Groundwater Protection Standard (mg/L)
Lithium	November 2024	MW-707B	0.278
	May 2025	MW-707B	

Notes:
mg/L = milligrams per liter
SSL = statistically significant level

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient							
	MW-13				MW-14R			
Measuring Point (TOC)	877.22				878.83			
Sample Name	MW-13-031025	LAC-MW-13-051325	LAC-MW-13-061825	LAC-MW-13-090425	MW-14R-031025	LAC-MW-14R-051325	LAC-MW-14R-061825	LAC-MW-14R-090325
Sample Date	3/10/2025	05/13/2025	06/18/2025	09/04/2025	3/10/2025	05/13/2025	06/18/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	2.95	2.63	3.74	-	6.29	5.91	6.62
Temperature (Deg C)	-	16.02	17.39	16.25	-	18.26	18.44	17.84
Conductivity, Field (µS/cm)	-	3240	2770	2610	-	870	932	810
Turbidity, Field (NTU)	-	0.0	0.0	0.00	-	5.8	0.0	0.00
Dissolved Oxygen, Field (mg/L)	-	0.15	0.85	0.00	-	0.72	6.41	0.00
ORP, Field (mv)	-	232	109	225	-	-165	-206	-114
pH, Field (pH units)	-	6.07	6.48	6.44	-	7.45	7.18	6.80
Ferrous Iron, Field (mg/L)	-	0.28	0.06	0.03	-	0.13	0.06	0.04
Boron, Total (mg/L)	-	0.29	0.29	0.33	-	0.73	0.68	0.78
Calcium, Total (mg/L)	-	332	365	353	-	51.2	51.1	53.0
Chloride (mg/L)	-	32.3	33.5	27.7	-	7.0	6.8	6.7
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	0.25	< 0.20	< 0.20	< 0.20
Sulfate (mg/L)	-	1360	1680	1480	-	100	50.3	40.6
pH (lab) (su)	-	6.8	6.7	6.7	-	7.4	7.3	7.3
Total Dissolved Solids (TDS) (mg/L)	-	2610	2710	2580	-	576	596	601
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	0.0021
Barium, Total (mg/L)	0.018	0.017	0.015	0.016	0.0409	0.039	0.036	0.040
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	< 0.20	< 0.20	< 0.20	< 0.00200	< 0.20	< 0.20	< 0.20
Lead (mg/L)	0.057	< 0.0010	< 0.0010	-	0.0396	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.050	0.052	0.058	< 0.00500	0.036	0.039	0.041
Molybdenum, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	< 0.0010	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	< 0.15	< 0.00020	< 0.00020	< 0.00020	0.25	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	< 0.0228 ± 0.305 (0.338)	0.751 ± 0.793 (1.28)	0.465 ± 0.867 (1.55)	0.497 ± 0.782 (1.25)	< 0.137 ± 0.286 (0.291)	0.857 ± 0.809 (1.28)	0.514 ± 0.754 (1.27)	1.33 ± 0.910 (1.38)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient							
	MW-601				MW-602			
Measuring Point (TOC)	879.18				879.89			
Sample Name	MW-601-031025	LAC-MW-601-051325	LAC-MW-601-061825	LAC-MW-601-090325	MW-602-031025	LAC-MW-602-051325	LAC-MW-602-061825	LAC-MW-602-090325
Sample Date	3/10/2025	05/13/2025	06/18/2025	09/03/2025	3/10/2025	05/13/2025	06/18/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	10.97	10.85	10.46	-	2.60	3.16	3.90
Temperature (Deg C)	-	16.93	17.01	20.29	-	17.94	22.39	19.46
Conductivity, Field (µS/cm)	-	1590	1670	1470	-	926	970	861
Turbidity, Field (NTU)	-	0.0	8.8	0.00	-	5.7	0.8	3.11
Dissolved Oxygen, Field (mg/L)	-	2.47	7.73	0.00	-	1.14	3.14	0.00
ORP, Field (mv)	-	18	17	28	-	-36	-61	100
pH, Field (pH units)	-	7.78	7.79	7.17	-	7.63	7.46	6.95
Ferrous Iron, Field (mg/L)	-	0.00	0.10	0.15	-	0.06	0.05	0.07
Boron, Total (mg/L)	-	1.7	1.7	1.8	-	2.1	2.2	2.4
Calcium, Total (mg/L)	-	13.8	14.3	15.7	-	20.4	20.4	23.2
Chloride (mg/L)	-	163	170	161	-	16.6	17.4	16.2
Fluoride (mg/L)	1.73	1.2	0.94	1.4	1.14	0.76	0.63	0.89
Sulfate (mg/L)	-	5.9	4.9	5.1	-	27.5	27.5	26.8
pH (lab) (su)	-	7.8	7.8	7.7	-	7.7	7.6	7.6
Total Dissolved Solids (TDS) (mg/L)	-	1010	1060	1060	-	619	641	648
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.137	0.12	0.12	0.13	0.1	0.092	0.089	0.099
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	0.00122	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	0.0011
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	1.2	0.94	1.4	< 0.00200	0.76	0.63	0.89
Lead (mg/L)	0.07	< 0.0010	< 0.0010	-	0.0569	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.067	0.069	0.071	< 0.00500	0.050	0.056	0.057
Molybdenum, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	< 0.0010	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	1.73	< 0.00020	< 0.00020	< 0.00020	1.14	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.615 ± 0.320 (0.304)	1.40 ± 0.774 (1.06)	0.600 ± 0.845 (1.47)	0.168 ± 0.847 (1.44)	< 0.00 ± 0.457 (0.5)	1.05 ± 0.868 (1.24)	0.532 ± 0.693 (1.18)	1.53 ± 1.01 (1.52)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

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su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient						
	MW-701						
Measuring Point (TOC)	885.23						
Sample Name	MW-701-031025	LAC-MW-701-051325	LAC-DUP2-051325	LAC-MW-701-062025	LAC-DUP2-062025	LAC-MW-701-090325	LAC-DUP1-090325
Sample Date	3/10/2025	05/13/2025	05/13/2025	06/20/2025	06/20/2025	09/03/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	6/19/2025	7/16/2025	7/16/2025	9/26/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	6/20/2025	7/17/2025	7/17/2025	9/29/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/5/2025	8/8/2025	8/8/2025	11/24/2025	11/24/2025
Depth to Water (ft btoc)	-	9.66	9.66	9.45	9.45	11.97	11.97
Temperature (Deg C)	-	17.85	-	19.84	-	17.64	-
Conductivity, Field (µS/cm)	-	1060	-	936	-	831	-
Turbidity, Field (NTU)	-	4.8	-	9.8	-	0.00	-
Dissolved Oxygen, Field (mg/L)	-	0.00	-	0.00	-	0.00	-
ORP, Field (mv)	-	149	-	-75	-	61	-
pH, Field (pH units)	-	6.63	-	7.35	-	7.01	-
Ferrous Iron, Field (mg/L)	-	0.08	-	0.05	-	0.15	-
Boron, Total (mg/L)	-	0.84	0.86	0.87	0.88	0.95	0.91
Calcium, Total (mg/L)	-	42.3	43.9	44.1	44.8	48.5	45.4
Chloride (mg/L)	-	46.9	49.7	48.5	49.4	51.9	46.0
Fluoride (mg/L)	0.509	0.20	< 0.20	0.21	0.48	0.40	0.52
Sulfate (mg/L)	-	81.8	81.1	81.1	82.8	79.6	78.9
pH (lab) (su)	-	7.6	7.6	7.3	7.5	7.4	7.4
Total Dissolved Solids (TDS) (mg/L)	-	604	605	644	635	613	608
Antimony, Total (mg/L)	< 0.00400	-	-	< 0.0010	< 0.0010	-	-
Arsenic, Total (mg/L)	< 0.00200	-	-	0.0016	0.0016	0.0014	0.0013
Barium, Total (mg/L)	0.222	0.20	0.21	0.21	0.21	0.21	0.20
Beryllium, Total (mg/L)	< 0.00200	-	-	< 0.00050	< 0.00050	-	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	-
Chromium, Total (mg/L)	< 0.0100	-	-	0.0027	0.0022	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	0.0012	0.0011	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	0.20	< 0.20	0.21	0.48	0.40	0.52
Lead (mg/L)	0.048	< 0.0010	< 0.0010	< 0.0010	< 0.0010	-	-
Lithium, Total (mg/L)	< 0.00500	0.041	0.042	0.048	0.045	0.043	0.041
Molybdenum, Total (mg/L)	< 0.00200	0.0011	0.0011	< 0.0010	0.0010	-	-
Selenium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-
Thallium, Total (mg/L)	< 0.000200	-	-	< 0.0010	< 0.0010	0.0010	< 0.0010
Mercury, Total (mg/L)	0.509	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.636 ± 0.419 (0.350)	1.13 ± 0.794 (1.17)	1.14 ± 0.943 (1.42)	1.30 ± 0.86 (1.32)	1.60 ± 1.09 (1.60)	0.368 ± 0.881 (1.52)	1.30 ± 0.858 (1.20)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient							
	MW-702				MW-703			
Measuring Point (TOC)	883.17				883.84			
Sample Name	MW-702-031025	LAC-MW-702-051325	LAC-MW-702-062025	LAC-MW-702-090425	MW-703-031025	LAC-MW-703-051325	LAC-MW-703-061925	LAC-MW-703-090325
Sample Date	3/10/2025	05/13/2025	06/20/2025	09/04/2025	3/10/2025	05/13/2025	06/19/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	21.05	23.51	25.53	-	7.12	7.31	9.01
Temperature (Deg C)	-	19.01	16.10	15.38	-	17.50	17.10	19.40
Conductivity, Field (µS/cm)	-	1070	1140	1020	-	1330	1310	1220
Turbidity, Field (NTU)	-	6.3	4.8	3.41	-	0.0	2.5	4.32
Dissolved Oxygen, Field (mg/L)	-	2.54	0.91	0.00	-	0.10	2.67	0.00
ORP, Field (mv)	-	0	-58	178	-	-107	-145	-77
pH, Field (pH units)	-	7.83	7.89	7.36	-	7.30	7.34	6.88
Ferrous Iron, Field (mg/L)	-	0.10	0.24	0.09	-	0.81	0.24	0.08
Boron, Total (mg/L)	-	1.7	1.8	1.8	-	0.99	0.96	1.4
Calcium, Total (mg/L)	-	16.5	19.0	17.3	-	40.3	43.8	33.7
Chloride (mg/L)	-	46.9	52.2	48.3	-	45.9	35.8	47.5
Fluoride (mg/L)	1.4	0.66	1.0	1.3	0.908	0.53	0.50	0.72
Sulfate (mg/L)	-	< 1.0	< 1.0	1.1	-	79.4	70.4	61.4
pH (lab) (su)	-	7.9	7.6	7.7	-	7.3	7.3	7.4
Total Dissolved Solids (TDS) (mg/L)	-	703	713	748	-	853	835	920
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.563	0.48	0.40	0.44	0.308	0.32	0.29	0.32
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	0.66	1.0	1.3	< 0.00200	0.53	0.50	0.72
Lead (mg/L)	0.0602	< 0.0010	< 0.0010	-	0.0644	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.057	0.058	0.058	< 0.00500	0.036	0.041	0.046
Molybdenum, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	< 0.0010	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	1.4	< 0.00020	< 0.00020	< 0.00020	0.908	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	1.05 ± 0.469 (0.388)	1.87 ± 0.800 (0.984)	1.34 ± 0.835 (1.12)	0.703 ± 0.768 (1.25)	1.77 ± 0.575 (0.378)	3.14 ± 1.12 (1.35)	3.76 ± 1.29 (1.56)	2.96 ± 1.09 (1.35)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

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su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient				Downgradient			
	MW-704				MW-6			
Measuring Point (TOC)	883.17				860.68			
Sample Name	MW-704-031025	LAC-MW-704-051325	LAC-MW-704-061925	LAC-MW-704-090325	MW-6-031025	LAC-MW-6-051325	LAC-MW-6-062025	LAC-MW-6-090425
Sample Date	3/10/2025	05/13/2025	06/19/2025	09/03/2025	3/10/2025	05/13/2025	06/20/2025	09/04/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	14.35	19.05	16.91	-	10.60	9.51	10.61
Temperature (Deg C)	-	19.17	18.82	17.94	-	16.98	16.87	16.68
Conductivity, Field (µS/cm)	-	2220	1940	1830	-	1710	1870	1750
Turbidity, Field (NTU)	-	0.0	1.9	4.13	-	0.0	1.9	0.00
Dissolved Oxygen, Field (mg/L)	-	0.66	1.50	0.00	-	0.07	0.00	0.00
ORP, Field (mv)	-	209	120	128	-	70	-104	-96
pH, Field (pH units)	-	6.92	7.45	6.96	-	7.43	7.41	6.90
Ferrous Iron, Field (mg/L)	-	0.00	0.00	0.10	-	0.07	0.98	1.63
Boron, Total (mg/L)	-	1.8	1.9	2.0	-	1.0	1.1	1.1
Calcium, Total (mg/L)	-	19.9	20.7	22.6	-	64.8	75.9	77.2
Chloride (mg/L)	-	76.0	101	83.5	-	185	246	151
Fluoride (mg/L)	0.876	0.46	0.52	0.60	1.15	0.27	< 0.20	0.40
Sulfate (mg/L)	-	135	170	163	-	98.0	139	94.7
pH (lab) (su)	-	7.8	7.7	7.5	-	7.5	7.4	7.3
Total Dissolved Solids (TDS) (mg/L)	-	1280	1330	1370	-	1190	1220	1210
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	0.0048	0.0058
Barium, Total (mg/L)	0.0749	0.068	0.053	0.061	0.151	0.15	0.17	0.19
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	0.0011	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	0.0066	< 0.0010
Fluoride (mg/L)	< 0.00200	0.46	0.52	0.60	< 0.00200	0.27	< 0.20	0.40
Lead (mg/L)	0.119	< 0.0010	< 0.0010	-	0.0454	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.087	0.10	0.095	< 0.00500	0.044	0.045	0.046
Molybdenum, Total (mg/L)	< 0.00200	0.0031	0.0029	-	< 0.00200	0.0015	0.0013	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	0.0032	< 0.000200	-	< 0.0010	0.0011
Mercury, Total (mg/L)	0.876	< 0.00020	< 0.00020	< 0.00020	1.15	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.678 ± 0.335 (0.308)	0.542 ± 0.644 (0.950)	1.70 ± 1.20 (1.84)	1.11 ± 1.01 (1.65)	< 0.079 ± 0.359 (0.378)	0.888 ± 0.603 (0.803)	1.13 ± 0.995 (1.58)	0.660 ± 0.877 (1.38)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

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NTU = Nephelometric Turbidity Unit

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su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient							
	MW-7				MW-15			
Measuring Point (TOC)	855.66				873.88			
Sample Name	MW-7-031025	LAC-MW-7-051325	LAC-MW-7-062025	LAC-MW-7-090425	MW-15-031025	LAC-MW-15-051325	LAC-MW-15-061825	LAC-MW-15-090325
Sample Date	3/10/2025	05/13/2025	06/20/2025	09/04/2025	3/10/2025	05/13/2025	06/18/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	7.68	6.45	8.56	-	8.79	8.30	8.39
Temperature (Deg C)	-	16.42	16.22	16.01	-	17.62	18.49	19.91
Conductivity, Field (µS/cm)	-	1710	1510	1400	-	1330	1170	1170
Turbidity, Field (NTU)	-	0.0	2.6	0.00	-	0.0	3.1	0.00
Dissolved Oxygen, Field (mg/L)	-	0.00	0.00	0.00	-	0.70	0.80	0.17
ORP, Field (mv)	-	21	-199	-161	-	194	127	73
pH, Field (pH units)	-	6.92	7.92	7.30	-	6.58	7.25	7.17
Ferrous Iron, Field (mg/L)	-	0.07	0.69	0.08	-	0.09	0.08	0.08
Boron, Total (mg/L)	-	1.4	1.5	1.5	-	0.20	0.20	0.22
Calcium, Total (mg/L)	-	20.2	21.2	20.1	-	91.7	97.9	102
Chloride (mg/L)	-	100	117	81.1	-	11.3	11.1	10.4
Fluoride (mg/L)	1.14	0.87	0.62	1.0	0.203	< 0.20	< 0.20	< 0.20
Sulfate (mg/L)	-	1.2	< 1.0	< 1.0	-	183	216	167
pH (lab) (su)	-	8.0	7.6	7.8	-	7.3	7.3	7.2
Total Dissolved Solids (TDS) (mg/L)	-	996	988	1010	-	779	773	780
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	0.0019	0.0023	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.463	0.47	0.46	0.55	0.0474	0.051	0.045	0.044
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	0.87	0.62	1.0	< 0.00200	< 0.20	< 0.20	< 0.20
Lead (mg/L)	0.0734	< 0.0010	< 0.0010	-	0.0227	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.066	0.071	0.073	< 0.00500	0.022	0.022	0.025
Molybdenum, Total (mg/L)	< 0.00200	0.0012	0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	0.0012	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	1.14	< 0.00020	< 0.00020	< 0.00020	0.203	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.814 ± 0.416 (0.318)	1.29 ± 0.790 (1.14)	1.44 ± 0.893 (1.27)	2.00 ± 0.962 (1.21)	1.22 ± 0.274 (0.250)	0.953 ± 0.934 (1.51)	0.783 ± 0.736 (1.14)	1.57 ± 0.999 (1.44)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient							
	MW-705				MW-706			
Measuring Point (TOC)	855.95				854.28			
Sample Name	MW-705-031025	LAC-MW-705-051225	LAC-MW-705-061925	LAC-MW-705-090425	MW-706-031025	LAC-MW-706-051225	LAC-MW-706-061925	LAC-MW-706-090425
Sample Date	3/10/2025	05/12/2025	06/19/2025	09/04/2025	3/10/2025	05/12/2025	06/19/2025	09/04/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	10.00	9.60	12.00	-	8.67	9.92	10.96
Temperature (Deg C)	-	19.46	22.61	15.82	-	17.26	18.30	15.99
Conductivity, Field (µS/cm)	-	1520	1470	1720	-	2400	2140	2210
Turbidity, Field (NTU)	-	12.2	10.2	6.20	-	1.8	6.7	15.3
Dissolved Oxygen, Field (mg/L)	-	0.00	4.81	0.00	-	0.00	0.00	0.00
ORP, Field (mv)	-	-27	-44	-76	-	76	-74	-93
pH, Field (pH units)	-	7.38	7.29	7.42	-	6.74	7.42	7.49
Ferrous Iron, Field (mg/L)	-	0.15	0.01	0.17	-	0.13	0.16	0.03
Boron, Total (mg/L)	-	1.9	1.9	2.1	-	1.9	1.9	2.1
Calcium, Total (mg/L)	-	26.6	26.8	29.2	-	22.5	22.1	25.1
Chloride (mg/L)	-	141	151	130	-	261	316	234
Fluoride (mg/L)	0.937	0.63	0.49	0.80	1.05	0.62	0.70	0.80
Sulfate (mg/L)	-	40.4	40.0	38.6	-	9.1	5.9	4.7
pH (lab) (su)	-	7.4	7.5	7.4	-	7.6	7.6	7.5
Total Dissolved Solids (TDS) (mg/L)	-	1080	1040	1070	-	1300	1340	1380
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.0969	0.088	0.085	0.087	0.217	0.19	0.19	0.24
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	0.63	0.49	0.80	< 0.00200	0.62	0.70	0.80
Lead (mg/L)	0.137	< 0.0010	< 0.0010	-	0.146	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.11	0.12	0.12	< 0.00500	0.12	0.13	0.12
Molybdenum, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	< 0.0010	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	0.937	< 0.00020	< 0.00020	< 0.00020	1.05	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.589 ± 0.384 (0.355)	1.34 ± 0.905 (1.35)	0.815 ± 0.681 (1.06)	1.23 ± 0.859 (1.32)	1.31 ± 0.499 (0.421)	1.28 ± 0.871 (1.32)	0.759 ± 0.824 (1.22)	2.07 ± 0.908 (1.06)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient							
	MW-707B				MW-708			
Measuring Point (TOC)	858.80				853.03			
Sample Name	MW-707B-031025	LAC-MW-707B-051225	LAC-MW-707B-061925	LAC-MW-707B-090425	MW-708-031025	LAC-MW-708-051225	LAC-MW-708-061825	LAC-MW-708-090425
Sample Date	3/10/2025	05/12/2025	06/19/2025	09/04/2025	3/10/2025	05/12/2025	06/18/2025	09/04/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	9.00	14.40	9.75	-	8.41	8.15	8.74
Temperature (Deg C)	-	20.32	19.77	16.84	-	18.36	17.05	17.03
Conductivity, Field (µS/cm)	-	6960	7780	8220	-	1260	1120	1150
Turbidity, Field (NTU)	-	29.1	9.7	4.00	-	1.4	2.5	0.00
Dissolved Oxygen, Field (mg/L)	-	0.00	0.04	0.12	-	0.00	0.00	0.00
ORP, Field (mv)	-	96	132	104	-	199	51	75
pH, Field (pH units)	-	6.69	6.79	6.77	-	6.70	7.49	7.48
Ferrous Iron, Field (mg/L)	-	0.38	0.08	0.12	-	0.06	0.06	0.09
Boron, Total (mg/L)	-	1.6	1.6	1.8	-	1.4	1.3	1.3
Calcium, Total (mg/L)	-	344	341	394	-	28.2	26.5	28.2
Chloride (mg/L)	-	157	127	122	-	51.7	49.1	48.8
Fluoride (mg/L)	0.409	< 0.20	< 0.20	< 0.20	0.677	< 0.20	0.26	0.25
Sulfate (mg/L)	-	5500	6720	5430	-	10.5	10.3	9.8
pH (lab) (su)	-	6.9	7.0	6.8	-	7.5	7.4	7.4
Total Dissolved Solids (TDS) (mg/L)	-	8920	9150	8920	-	696	716	711
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	0.0015	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.0279	0.020	0.019	0.017	0.267	0.22	0.21	0.26
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	0.00154	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	0.0118	0.0085	0.010	0.014	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	< 0.20	< 0.20	< 0.20	< 0.00200	< 0.20	0.26	0.25
Lead (mg/L)	1.63	< 0.0020	< 0.0020	-	0.0941	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.00541	1.1	1.4	1.4	< 0.00500	0.071	0.082	0.074
Molybdenum, Total (mg/L)	< 0.00200	0.0047	0.0046	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0020	0.0051	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	0.409	< 0.00020	< 0.00020	< 0.00020	0.677	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	1.34 ± 0.435 (0.372)	2.42 ± 1.02 (1.37)	0.904 ± 0.772 (1.10)	0.960 ± 1.21 (1.92)	0.705 ± 0.410 (0.362)	0.863 ± 0.889 (1.39)	1.39 ± 1.03 (1.61)	1.16 ± 0.965 (1.49)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient							
	MW-801				MW-802			
Measuring Point (TOC)	857.65				853.47			
Sample Name	MW-801-031025	LAC-MW-801-051225	LAC-MW-801-061825	LAC-MW-801-090325	MW-802-031025	LAC-MW-802-051225	LAC-MW-802-061825	LAC-MW-802-090325
Sample Date	3/10/2025	05/12/2025	06/18/2025	09/03/2025	3/10/2025	05/12/2025	06/18/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	4.95	4.77	4.46	-	8.66	9.45	9.68
Temperature (Deg C)	-	17.52	17.28	18.92	-	20.42	18.57	17.75
Conductivity, Field (µS/cm)	-	1350	1420	1430	-	1020	1140	1210
Turbidity, Field (NTU)	-	0.0	2.1	0.00	-	0.0	2.6	0.00
Dissolved Oxygen, Field (mg/L)	-	0.00	0.00	0.75	-	0.04	1.00	0.00
ORP, Field (mv)	-	-83	-73	-128	-	-95	-167	-144
pH, Field (pH units)	-	7.52	7.56	7.55	-	7.35	7.43	7.46
Ferrous Iron, Field (mg/L)	-	0.19	0.07	0.22	-	0.61	0.62	0.46
Boron, Total (mg/L)	-	2.1	2.1	2.2	-	1.8	2.2	2.4
Calcium, Total (mg/L)	-	23.9	23.2	24.7	-	32.1	27.5	27.4
Chloride (mg/L)	-	93.3	92.1	91.3	-	35.2	38.8	41.2
Fluoride (mg/L)	1.05	0.73	0.81	0.93	0.886	0.21	0.73	0.80
Sulfate (mg/L)	-	1.4	0.84	< 1.0	-	3.1	1.8	< 1.0
pH (lab) (su)	-	7.6	7.5	7.5	-	7.4	7.5	7.4
Total Dissolved Solids (TDS) (mg/L)	-	854	916	912	-	665	741	752
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	0.0011	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.506	0.48	0.46	0.50	0.925	0.77	0.83	0.95
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	0.73	0.81	0.93	0.00282	0.21	0.73	0.80
Lead (mg/L)	0.105	< 0.0010	< 0.0010	-	0.0962	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.00511	0.083	0.091	0.085	< 0.00500	0.065	0.087	0.085
Molybdenum, Total (mg/L)	< 0.00200	0.0034	0.0026	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	0.0020	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	1.05	< 0.00020	< 0.00020	< 0.00020	0.886	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.683 ± 0.376 (0.333)	1.99 ± 1.07 (1.58)	1.33 ± 0.789 (1.12)	0.796 ± 1.00 (1.60)	3.04 ± 0.472 (0.374)	2.07 ± 1.11 (1.57)	1.58 ± 0.922 (1.30)	1.57 ± 1.04 (1.56)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient							
	MW-803				MW-804			
Measuring Point (TOC)	855.00				855.20			
Sample Name	MW-803-031025	LAC-MW-803-051225	LAC-MW-803-061825	LAC-MW-803-090325	MW-804-031025	LAC-MW-804-051225	LAC-MW-804-061825	LAC-MW-804-090325
Sample Date	3/10/2025	05/12/2025	06/18/2025	09/03/2025	3/10/2025	05/12/2025	06/18/2025	09/03/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	38.07	0.00	41.26	-	10.92	11.70	10.72
Temperature (Deg C)	-	17.73	17.78	17.29	-	20.82	19.38	20.37
Conductivity, Field (µS/cm)	-	1250	1140	1150	-	1110	987	1050
Turbidity, Field (NTU)	-	0.9	41.3	0.00	-	0.0	3.4	0.00
Dissolved Oxygen, Field (mg/L)	-	0.00	4.67	1.38	-	1.11	1.97	3.81
ORP, Field (mv)	-	205	193	216	-	195	181	250
pH, Field (pH units)	-	6.55	7.37	7.42	-	6.35	7.30	7.23
Ferrous Iron, Field (mg/L)	-	0.05	0.12	0.08	-	0.44	0.30	0.03
Boron, Total (mg/L)	-	1.8	1.9	2.1	-	1.4	1.5	1.6
Calcium, Total (mg/L)	-	42.9	44.2	47.6	-	63.3	66.2	72.4
Chloride (mg/L)	-	51.5	-	50.6	-	41.8	41.0	51.7
Fluoride (mg/L)	0.628	< 0.20	0.47	0.48	0.459	< 0.20	0.32	0.37
Sulfate (mg/L)	-	43.4	-	54.5	-	26.3	28.3	26.6
pH (lab) (su)	-	7.4	-	7.4	-	7.3	7.4	7.2
Total Dissolved Solids (TDS) (mg/L)	-	689	-	740	-	597	616	636
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.249	0.22	0.23	0.23	0.165	0.15	0.15	0.18
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	0.0014	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	< 0.20	0.47	0.48	< 0.00200	< 0.20	0.32	0.37
Lead (mg/L)	0.0775	< 0.0010	< 0.0010	-	0.0461	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.00676	0.060	0.065	0.060	< 0.00500	0.036	0.040	0.038
Molybdenum, Total (mg/L)	< 0.00200	0.0039	0.0043	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	< 0.0010	0.0060	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	0.628	< 0.00020	< 0.00020	< 0.00020	0.459	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	1.04 ± 0.511 (0.386)	1.04 ± 0.857 (1.30)	-	-	0.873 ± 0.422 (0.349)	1.61 ± 0.709 (0.807)	0.621 ± 0.881 (1.40)	0.494 ± 0.975 (1.58)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE II
SUMMARY OF ANALYTICAL RESULTS - 2025 ASSESSMENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient										
	MW-805							MW-TW1			
Measuring Point (TOC)	854.63							862.10			
Sample Name	MW-805-031025	LAC-MW-805-051225	LAC-DUP1-051225	LAC-MW-805-061725	LAC-DUP1-061725	LAC-MW-805-090325	LAC-DUP2-090325	TW-1-031025	LAC-TW-1-051225	LAC-TW-1-061925	LAC-TW-1-090425
Sample Date	3/10/2025	05/12/2025	05/12/2025	06/17/2025	06/17/2025	09/03/2025	09/03/2025	3/10/2025	05/12/2025	06/19/2025	09/04/2025
Final Lab Report Date	3/17/2025	6/19/2025	6/19/2025	7/16/2025	7/16/2025	9/26/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	6/20/2025	7/17/2025	7/17/2025	9/29/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Validated	6/23/2025	8/5/2025	8/5/2025	8/8/2025	8/8/2025	11/24/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	7.45	7.45	4.69	4.69	6.60	6.60	-	18.68	19.65	20.05
Temperature (Deg C)	-	22.24	-	19.02	-	19.48	-	-	20.38	18.36	16.65
Conductivity, Field (µS/cm)	-	2700	-	3240	-	3300	-	-	1480	1660	1690
Turbidity, Field (NTU)	-	2.9	-	13.1	-	3.70	-	-	0.0	1.7	0.00
Dissolved Oxygen, Field (mg/L)	-	0.67	-	0.18	-	0.00	-	-	7.25	3.33	7.01
ORP, Field (mv)	-	295	-	471	-	462	-	-	110	168	79
pH, Field (pH units)	-	6.36	-	6.37	-	6.40	-	-	7.76	7.67	7.68
Ferrous Iron, Field (mg/L)	-	0.20	-	0.00	-	0.00	-	-	0.05	0.08	0.10
Boron, Total (mg/L)	-	0.50	0.45	0.42	0.40	0.49	0.49	-	1.3	1.2	1.4
Calcium, Total (mg/L)	-	470	428	459	442	469	484	-	23.0	21.5	24.7
Chloride (mg/L)	-	541	509	568	621	509	515	-	42.1	39.3	42.3
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.379	< 0.20	< 0.20	0.25
Sulfate (mg/L)	-	758	718	911	996	735	744	-	71.2	55.8	67.1
pH (lab) (su)	-	6.4	6.4	6.5	6.6	6.3	6.3	-	7.8	7.8	7.6
Total Dissolved Solids (TDS) (mg/L)	-	2370	2500	2410	2340	2540	2480	-	1080	1140	1110
Antimony, Total (mg/L)	< 0.00400	-	-	< 0.0010	< 0.0010	-	-	< 0.00400	-	< 0.0010	-
Arsenic, Total (mg/L)	< 0.00200	-	-	0.0014	0.0013	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.0319	0.028	0.029	0.025	0.026	0.032	0.031	0.0616	0.057	0.056	0.064
Beryllium, Total (mg/L)	< 0.00200	-	-	< 0.00050	< 0.00050	-	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	-	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Fluoride (mg/L)	< 0.00200	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.00200	< 0.20	< 0.20	0.25
Lead (mg/L)	0.0269	< 0.0010	< 0.0010	< 0.0010	< 0.0010	-	-	0.148	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	< 0.00500	0.020	0.020	0.023	0.022	0.020	0.022	< 0.00500	0.13	0.13	0.13
Molybdenum, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	-	-	< 0.00200	< 0.0010	< 0.0010	-
Selenium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.000200	-	-	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000200	-	< 0.0010	< 0.0010
Mercury, Total (mg/L)	< 0.15	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.379	< 0.00020	< 0.00020	< 0.00020
Radium-226 & 228 Combined (pCi/L)	0.807 ± 0.435 (0.408)	1.11 ± 0.861 (1.32)	1.23 ± 1.06 (1.61)	1.73 ± 0.914 (1.27)	1.68 ± 0.957 (1.64)	0.472 ± 1.16 (1.97)	2.04 ± 1.10 (1.62)	1.94 ± 0.403 (0.344)	1.39 ± 1.05 (1.69)	0.889 ± 0.925 (1.53)	1.69 ± 1.07 (1.68)

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

CCR = coal combustion residuals

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation reduction potential

pCi/L = picocuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient															
	MW-13 877.22				MW-14R 878.83				MW-601 879.18				MW-602 879.89			
Measure Point (TOC)																
Sample Name	MW-13-031025	LAC-MW-13-051325	LAC-MW-13-061825	LAC-MW-13-090425	MW-14R-031025	LAC-MW-14R-051325	LAC-MW-14R-061825	LAC-MW-14R-090325	MW-601-031025	LAC-MW-601-051325	LAC-MW-601-061825	LAC-MW-601-090325	MW-602-031025	LAC-MW-602-051325	LAC-MW-602-061825	LAC-MW-602-090325
Sample Date	3/10/2025	5/13/2025	6/18/2025	9/4/2025	3/10/2025	5/13/2025	6/18/2025	9/3/2025	3/10/2025	5/13/2025	6/18/2025	9/3/2025	3/10/2025	5/13/2025	6/18/2025	9/3/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	2.95	2.63	3.74	-	6.29	5.91	6.62	-	10.97	10.85	10.46	-	2.60	3.16	3.90
Temperature (Deg C)	-	16.02	17.39	16.25	-	18.26	18.44	17.84	-	16.93	17.01	20.29	-	17.94	22.39	19.46
Conductivity (µS/cm)	-	3240	2770	2610	-	870	932	810	-	1590	1670	1470	-	926	970	861
Turbidity (NTU)	-	0.0	0.0	0.00	-	5.8	0.0	0.00	-	0.0	8.8	0.00	-	5.7	0.8	3.11
pH , Field (su)	-	6.07	6.48	6.44	-	7.45	7.18	6.80	-	7.78	7.79	7.17	-	7.63	7.46	6.95
Dissolved Oxygen, Field (mg/L)	-	0.15	0.85	0.00	-	0.72	6.41	0.00	-	2.47	7.73	0.00	-	1.14	3.14	0.00
Oxygen Reduction Potential, Field (mv)	-	232	109	225	-	-165	-206	-114	-	18	17	28	-	-36	-61	100
Ferrous Iron, Field (mg/L)	-	0.28	0.06	0.03	-	0.13	0.06	0.04	-	0.00	0.10	0.15	-	0.06	0.05	0.07
Boron, Total (mg/L)	-	0.29	0.29	0.33	-	0.73	0.68	0.78	-	1.7	1.7	1.8	-	2.1	2.2	2.4
Calcium, Total (mg/L)	-	332	365	353	-	51.2	51.1	53.0	-	13.8	14.3	15.7	-	20.4	20.4	23.2
Chloride (mg/L)	-	32.3	33.5	27.7	-	7.0	6.8	6.7	-	163	170	161	-	16.6	17.4	16.2
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	0.25	< 0.20	< 0.20	< 0.20	1.73	1.2	0.94	1.4	1.14	0.76	0.63	0.89
Sulfate (mg/L)	-	1360	1680	1480	-	100	50.3	40.6	-	5.9	4.9	5.1	-	27.5	27.5	26.8
pH (su)	-	6.8	6.7	6.7	-	7.4	7.3	7.3	-	7.8	7.8	7.7	-	7.7	7.6	7.6
TDS (mg/L)	-	2610	2710	2580	-	576	596	601	-	1010	1060	1060	-	619	641	648
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	0.0021	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.018	0.017	0.015	0.016	0.0409	0.039	0.036	0.040	0.137	0.12	0.12	0.13	0.1	0.092	0.089	0.099
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	0.00122	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	0.0011
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.057	0.050	0.052	0.058	0.0396	0.036	0.039	0.041	0.07	0.067	0.069	0.071	0.0569	0.050	0.066	0.057
Molybdenum, Total (mg/L)	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	0.25	< 0.20	< 0.20	< 0.20	1.73	1.2	0.94	1.4	1.14	0.76	0.63	0.89
Radium-226 & 228 Combined (pCi/L)	< 0.0228 ± 0.305 (0.338)	< 0.751 ± 0.793 (1.28)	< 0.465 ± 0.867 (1.55)	< 0.497 ± 0.782 (1.25)	< 0.137 ± 0.286 (0.291)	< 0.857 ± 0.809 (1.28)	< 0.514 ± 0.754 (1.27)	< 1.33 ± 0.910 (1.38)	0.615 ± 0.320 (0.304)	1.40 ± 0.774 (1.06)	< 0.600 ± 0.845 (1.47)	< 0.168 ± 0.847 (1.44)	< 0.00 ± 0.457 (0.5)	< 1.05 ± 0.868 (1.24)	< 0.532 ± 0.693 (1.18)	1.53 ± 1.01 (1.52)
Aluminum, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	0.016	< 0.050	-	< 0.050	< 0.050	< 0.050
Calcium, Dissolved (mg/L)	-	341	-	-	-	49.8	-	-	-	13.4	-	-	-	20.4	-	-
Colbalt, Dissolved (mg/L)	-	-	< 0.0010	-	-	-	< 0.0010	-	-	-	0.00011	-	-	-	< 0.0010	-
Iron, Dissolved (mg/L)	-	< 0.050	< 0.050	0.0078	-	0.082	0.062	0.052	-	< 0.050	0.022	< 0.050	-	< 0.050	0.026	< 0.050
Lithium, Dissolved (mg/L)	-	0.049	0.057	0.057	-	0.039	0.042	0.042	-	0.062	0.075	0.074	-	0.049	0.063	0.058
Manganese, Dissolved (mg/L)	-	< 0.0010	0.00064	0.0097	-	0.075	0.17	0.20	0.034	0.032	0.035	0.035	-	0.0062	0.013	0.011
Magnesium, Dissolved (mg/L)	-	160	180	179	-	36.5	38.2	39.2	-	9.8	10.3	10.9	-	13.9	14.1	14.8
Potassium, Dissolved (mg/L)	-	3.2	-	-	-	4.4	-	-	-	4.4	-	-	-	3.5	-	-
Sodium, Dissolved (mg/L)	-	135	-	-	-	109	-	-	-	343	-	-	-	187	-	-
Ferrous Iron (mg/L)	-	< 0.20	< 0.20	0.052	-	0.40	0.26	< 0.20	-	< 0.20	0.16	< 0.20	-	< 0.20	0.074	< 0.20
Aluminum, Total (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	0.013	< 0.050	0.30	0.45	0.40	0.30	-	0.42	0.33	0.60
Iron, Total (mg/L)	-	< 0.050	0.0056	0.0092	-	0.25	0.14	0.066	-	0.44	0.25	0.20	-	0.47	0.27	0.53
Magnesium, Total (mg/L)	-	171	173	175	-	38.1	37.3	39.7	-	10.6	9.8	10.7	-	14.4	13.9	14.7
Manganese, Total (mg/L)	-	0.0021	0.0016	0.0080	-	0.19	0.18	0.20	-	0.037	0.034	0.043	-	0.018	0.020	0.019
Potassium, Total (mg/L)	-	3.0	3.0	3.5	-	4.5	4.4	4.4	-	4.5	4.3	4.6	-	3.6	3.5	3.8
Sodium, Total (mg/L)	-	141	140	146	-	113	111	118	-	361	338	363	-	191	190	196
Phosphorus (mg/L)	-	0.16	18.6	< 0.10	-	0.28	0.36	0.32	-	< 0.10	0.11	< 0.10	-	< 0.10	0.094	< 0.10
Alkalinity, Bicarbonate (mg/L)	-	352	342	359	-	482	486	480	-	653	643	635	-	504	494	492
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	352	342	359	-	482	486	480	-	653	643	635	-	504	494	492
Dissolved Organic Carbon (DOC) (mg/L)	-	2.4	1.7	1.7	-	1.4	0.92	1.7	-	< 1.0	< 1.0	< 1.0	-	1.6	1.0	< 1.0
Nitrate (as N) (mg/L)	-	< 0.10	0.081	0.090	-	< 0.10	0.53	< 0.10	-	< 0.10	0.21	0.35	-	0.11	0.49	0.36
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	3.9	2.2	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Total Organic Carbon (TOC) (mg/L)	-	1.3	1.4	1.5	-	1.5	0.70	1.6	-	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	1.2
Hardness, Total (mg/L)	-	1600	1620	1620	-	286	281	291	-	81.1	76.0	83.6	-	112	108	114

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient														
	MW-701							MW-702				MW-703			
Measure Point (TOC)	885.23							883.17				883.84			
Sample Name	MW-701-031025	LAC-MW-701-051325	LAC-DUP2-051325	LAC-MW-701-062025	LAC-DUP2-062025	LAC-MW-701-090325	LAC-DUP1-090325	MW-702-031025	LAC-MW-702-051325	LAC-MW-702-062025	LAC-MW-702-090425	MW-703-031025	LAC-MW-703-051325	LAC-MW-703-061925	LAC-MW-703-090325
Sample Date	3/10/2025	5/13/2025	5/13/2025	6/20/2025	6/20/2025	9/3/2025	9/3/2025	3/10/2025	5/13/2025	6/20/2025	9/4/2025	3/10/2025	5/13/2025	6/19/2025	9/3/2025
Final Lab Report Date	3/17/2025	6/19/2025	6/19/2025	6/19/2025	6/19/2025	9/26/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	6/20/2025	6/20/2025	7/17/2025	9/29/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/5/2025	8/5/2025	8/8/2025	11/24/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	9.66	-	9.45	-	11.97	-	-	21.05	23.51	25.53	-	7.12	7.31	9.01
Temperature (Deg C)	-	17.85	-	19.84	-	17.64	-	-	19.01	16.10	15.38	-	17.50	17.10	19.4
Conductivity (µS/cm)	-	1060	-	936	-	831	-	-	1070	1140	1020	-	1330	1310	1220
Turbidity (NTU)	-	4.8	-	9.8	-	0.00	-	-	6.3	4.8	3.41	-	0.0	2.5	4.32
pH , Field (su)	-	6.63	-	7.35	-	7.01	-	-	7.83	7.89	7.36	-	7.30	7.34	6.88
Dissolved Oxygen, Field (mg/L)	-	0.00	-	0.00	-	0.00	-	-	2.54	0.91	0.00	-	0.10	2.67	0.00
Oxygen Reduction Potential, Field (mv)	-	149	-	-75	-	61	-	-	0	-58	178	-	-107	-145	-77
Ferrous Iron, Field (mg/L)	-	0.08	-	0.05	-	0.15	-	-	0.10	0.24	0.09	-	0.81	0.24	0.08
Boron, Total (mg/L)	-	0.84	0.86	0.87	0.88	0.95	0.91	-	1.7	1.8	1.8	-	0.99	0.96	1.4
Calcium, Total (mg/L)	-	42.3	43.9	44.1	44.8	48.5	45.4	-	16.5	19.0	17.3	-	40.3	43.8	33.7
Chloride (mg/L)	-	46.9	49.7	48.5	49.4	51.9	46.0	-	46.9	52.2	48.3	-	45.9	35.8	47.5
Fluoride (mg/L)	0.509	0.20	< 0.20	0.21	0.48	0.40	0.52	1.4	0.66	1.0	1.3	0.908	0.53	0.50	0.72
Sulfate (mg/L)	-	81.8	81.1	81.1	82.8	79.6	78.9	-	< 1.0	< 1.0	1.1	-	79.4	70.4	61.4
pH (su)	-	7.6	7.6	7.3	7.5	7.4	7.4	-	7.9	7.6	7.7	-	7.3	7.3	7.4
TDS (mg/L)	-	604	605	644	635	613	608	-	703	713	748	-	853	835	920
Antimony, Total (mg/L)	< 0.00400	-	-	< 0.0010	< 0.0010	-	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic (mg/L)	< 0.00200	-	-	0.0016	0.0016	0.0014	0.0013	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.222	0.20	0.21	0.21	0.21	0.21	0.20	0.563	0.48	0.40	0.44	0.308	0.32	0.29	0.32
Beryllium, Total (mg/L)	< 0.00200	-	-	< 0.00050	< 0.00050	-	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	-	0.0027	0.0022	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	0.0012	0.0011	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	-	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.048	0.041	0.042	0.048	0.045	0.043	0.041	0.0602	0.057	0.058	0.058	0.0644	0.036	0.041	0.046
Molybdenum, Total (mg/L)	< 0.00500	0.0011	0.0011	< 0.0010	0.0010	0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020
Fluoride (mg/L)	0.509	0.20	< 0.20	0.21	0.48	0.40	0.52	1.4	0.66	1.0	1.3	0.908	0.53	0.50	0.72
Radium-226 & 228 Combined (pCi/L)	0.636 ± 0.419 (0.350)	< 1.13 ± 0.794 (1.17)	< 1.14 ± 0.943 (1.42)	< 1.30 ± 0.860 (1.32)	1.60 ± 1.09 (1.60)	< 0.368 ± 0.881 (1.52)	1.30 ± 0.858 (1.20)	1.05 ± 0.469 (0.388)	1.87 ± 0.800 (0.984)	1.34 ± 0.835 (1.12)	< 0.703 ± 0.768 (1.25)	1.77 ± 0.575 (0.378)	3.14 ± 1.12 (1.35)	3.76 ± 1.29 (1.56)	2.96 ± 1.09 (1.35)
Aluminum, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	0.013	-	< 0.050	< 0.050	< 0.050
Calcium, Dissolved (mg/L)	-	41.9	44.0	-	-	-	-	-	16.1	-	-	-	36.4	-	-
Colbalt, Dissolved (mg/L)	-	-	-	< 0.0010	< 0.0010	-	-	-	-	< 0.0010	-	-	-	< 0.0010	-
Iron, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	0.11	0.034	-	0.068	1.3	0.48
Lithium, Dissolved (mg/L)	-	0.040	0.042	0.045	0.045	0.048	0.047	-	0.053	0.060	0.057	-	0.038	0.040	0.051
Manganese, Dissolved (mg/L)	-	0.014	0.014	0.084	0.083	0.15	0.15	-	0.0029	0.016	0.0045	-	0.19	0.41	0.11
Magnesium, Dissolved (mg/L)	-	8.5	9.0	9.2	9.5	9.7	9.8	-	6.3	6.7	6.5	-	15.2	18.6	13.5
Potassium, Dissolved (mg/L)	-	2.9	3.0	-	-	-	-	-	3.4	-	-	-	3.6	-	-
Sodium, Dissolved (mg/L)	-	149	157	-	-	-	-	-	243	-	-	-	244	-	-
Ferrous Iron (mg/L)	-	0.20	0.22	1.5	1.5	0.32	0.32	-	< 0.20	< 0.20	0.13	-	1.2	2.4	0.66
Aluminum, Total (mg/L)	-	0.51	0.49	1.4	1.0	0.29	0.31	-	0.11	0.29	0.11	-	< 0.050	< 0.050	< 0.050
Iron, Total (mg/L)	-	0.71	0.69	0.75	0.68	0.38	0.41	-	0.13	0.32	0.18	-	1.3	1.6	0.52
Magnesium, Total (mg/L)	-	9.3	9.5	9.3	9.5	9.5	9.4	-	6.5	6.6	6.7	-	18.8	17.4	13.4
Manganese, Total (mg/L)	-	0.021	0.021	0.087	0.085	0.15	0.15	-	0.0070	0.014	0.012	-	0.29	0.50	0.12
Potassium, Total (mg/L)	-	3.1	3.2	3.2	3.2	3.1	3.1	-	3.4	3.5	3.6	-	3.8	3.5	3.8
Sodium, Total (mg/L)	-	160	164	160	163	159	158	-	247	249	256	-	261	229	289
Phosphorus (mg/L)	-	< 0.10	0.18	< 0.10	< 0.10	< 0.10	0.43	-	< 0.10	0.24	< 0.10	-	< 0.10	0.20	< 0.10
Alkalinity, Bicarbonate (mg/L)	-	369	368	360	361	354	356	-	574	550	557	-	628	605	634
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	369	368	360	361	354	356	-	574	550	557	-	628	605	634
Dissolved Organic Carbon (DOC) (mg/L)	-	1.1	< 1.0	1.0	1.1	1.5	< 1.0	-	< 1.0	1.1	0.91	-	1.8	2.5	1.6
Nitrate (as N) (mg/L)	-	0.19	0.19	< 0.10	< 0.10	< 0.10	< 0.10	-	0.11	0.48	1.1	-	< 0.10	< 0.10	< 0.10
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Total Organic Carbon (TOC) (mg/L)	-	< 1.0	< 1.0	1.2	1.2	< 1.0	1.0	-	< 1.0	< 1.0	0.55	-	1.1	2.0	1.1
Hardness, Total (mg/L)	-	151	153	148	151	150	148	-	71.0	74.5	70.3	-	191	181	133

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Upgradient				MW-6				Downgradient				MW-15			
	MW-704 883.17				860.68				MW-7 855.66				873.88			
Measure Point (TOC)																
Sample Name	MW-704-031025	LAC-MW-704-051325	LAC-MW-704-061925	LAC-MW-704-090325	MW-6-031025	LAC-MW-6-051325	LAC-MW-6-062025	LAC-MW-6-090425	MW-7-031025	LAC-MW-7-051325	LAC-MW-7-062025	LAC-MW-7-090425	MW-15-031025	LAC-MW-15-051325	LAC-MW-15-061825	LAC-MW-15-090325
Sample Date	3/10/2025	5/13/2025	6/19/2025	9/3/2025	3/10/2025	5/13/2025	6/20/2025	9/4/2025	3/10/2025	5/13/2025	6/20/2025	9/4/2025	3/10/2025	5/13/2025	6/18/2025	9/3/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	14.35	19.05	16.91	-	10.60	9.51	10.61	-	7.68	6.45	8.56	-	8.79	8.30	8.39
Temperature (Deg C)	-	19.17	18.82	17.94	-	16.98	16.87	16.68	-	16.42	16.22	16.01	-	17.62	18.49	19.91
Conductivity (µS/cm)	-	2220	1940	1830	-	1710	1870	1750	-	1710	1510	1400	-	1330	1170	1170
Turbidity (NTU)	-	0.0	1.9	4.13	-	0.0	1.9	0.00	-	0.0	2.6	0.00	-	0.0	3.1	0.00
pH , Field (su)	-	6.92	7.45	6.96	-	7.43	7.41	6.90	-	6.92	7.92	7.30	-	6.58	7.25	7.17
Dissolved Oxygen, Field (mg/L)	-	0.66	1.5	0.00	-	0.07	0.00	0.00	-	0.00	0.00	0.00	-	0.70	0.8	0.17
Oxygen Reduction Potential, Field (mv)	-	209	120	128	-	70	-104	-96	-	21	-199	-161	-	194	127	73
Ferrous Iron, Field (mg/L)	-	0.00	0.00	0.10	-	0.07	0.98	1.63	-	0.07	0.69	0.08	-	0.09	0.08	0.08
Boron, Total (mg/L)	-	1.8	1.9	2.0	-	1.0	1.1	1.1	-	1.4	1.5	1.5	-	0.20	0.20	0.22
Calcium, Total (mg/L)	-	19.9	20.7	22.6	-	64.8	75.9	77.2	-	20.2	21.2	20.1	-	91.7	97.9	102
Chloride (mg/L)	-	76.0	101	83.5	-	185	246	151	-	100	117	81.1	-	11.3	11.1	10.4
Fluoride (mg/L)	0.876	0.46	0.52	0.60	1.15	0.27	< 0.20	0.40	1.14	0.87	0.62	1.0	0.203	< 0.20	< 0.20	< 0.20
Sulfate (mg/L)	-	135	170	163	-	98.0	139	94.7	-	1.2	< 1.0	< 1.0	-	183	216	167
pH (su)	-	7.8	7.7	7.5	-	7.5	7.4	7.3	-	8.0	7.6	7.8	-	7.3	7.3	7.2
TDS (mg/L)	-	1280	1330	1370	-	1190	1220	1210	-	996	988	1010	-	779	773	780
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	0.0048	0.0058	< 0.00200	-	0.0019	0.0023	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.0749	0.068	0.053	0.061	0.151	0.15	0.17	0.19	0.463	0.47	0.46	0.55	0.0474	0.051	0.045	0.044
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	0.0011	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	0.0066	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.119	0.087	0.10	0.095	0.0454	0.044	0.045	0.046	0.0734	0.066	0.071	0.073	0.0227	0.022	0.022	0.025
Molybdenum, Total (mg/L)	< 0.00500	0.0031	0.0029	0.0032	< 0.00500	0.0015	0.0013	0.0011	< 0.00500	0.0012	0.0010	0.0012	< 0.00500	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020
Fluoride (mg/L)	0.876	0.46	0.52	0.60	1.15	0.27	< 0.20	0.40	1.14	0.87	0.62	1.0	0.203	< 0.20	< 0.20	< 0.20
Radium-226 & 228 Combined (pCi/L)	0.678 ± 0.335 (0.308)	< 0.542 ± 0.644 (0.950)	< 1.70 ± 1.20 (1.84)	< 1.11 ± 1.01 (1.65)	< 0.079 ± 0.359 (0.378)	0.888 ± 0.603 (0.803)	< 1.13 ± 0.995 (1.58)	< 0.66 ± 0.877 (1.38)	0.814 ± 0.416 (0.318)	1.29 ± 0.790 (1.14)	1.44 ± 0.893 (1.27)	2.00 ± 0.962 (1.21)	1.22 ± 0.274 (0.250)	< 0.953 ± 0.934 (1.51)	< 0.783 ± 0.736 (1.14)	1.57 ± 0.999 (1.44)
Aluminum, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Calcium, Dissolved (mg/L)	-	20.4	-	-	-	65.1	-	-	-	20.4	-	-	-	92.5	-	-
Colbalt, Dissolved (mg/L)	-	-	< 0.0010	-	-	-	0.0073	-	-	-	< 0.0010	-	-	-	< 0.0010	-
Iron, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	0.34	2.4	-	0.22	0.61	1.2	-	< 0.050	0.0086	< 0.050
Lithium, Dissolved (mg/L)	-	0.091	0.10	0.098	-	0.042	0.048	0.051	-	0.066	0.074	0.075	-	0.021	0.024	0.026
Manganese, Dissolved (mg/L)	-	0.0031	0.014	0.0052	-	0.0030	0.81	0.56	-	0.015	0.027	0.025	-	< 0.0010	< 0.0010	< 0.0010
Magnesium, Dissolved (mg/L)	-	14.3	16.0	16.7	-	32.1	38.4	39.3	-	13.2	13.6	13.7	-	34.1	36.4	37.1
Potassium, Dissolved (mg/L)	-	5.6	-	-	-	4.6	-	-	-	4.2	-	-	-	2.8	-	-
Sodium, Dissolved (mg/L)	-	410	-	-	-	285	-	-	-	311	-	-	-	127	-	-
Ferrous Iron (mg/L)	-	< 0.20	< 0.20	< 0.20	-	< 0.20	0.58	2.9	-	< 0.20	1.1	1.2	-	< 0.20	< 0.20	< 0.20
Aluminum, Total (mg/L)	-	0.11	0.061	0.41	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Iron, Total (mg/L)	-	< 0.050	< 0.050	0.28	-	0.16	0.40	2.9	-	0.14	0.67	1.2	-	< 0.050	< 0.050	< 0.050
Magnesium, Total (mg/L)	-	15.7	14.5	16.9	-	35.0	37.1	38.4	-	13.3	13.8	13.1	-	37.0	35.3	36.5
Manganese, Total (mg/L)	-	0.010	0.0094	0.011	-	0.016	0.73	0.65	-	0.028	0.025	0.024	-	0.0011	< 0.0010	< 0.0010
Potassium, Total (mg/L)	-	5.6	5.4	6.2	-	4.6	4.8	5.0	-	4.2	4.4	4.3	-	2.8	2.7	2.8
Sodium, Total (mg/L)	-	446	412	448	-	310	304	314	-	315	333	324	-	135	129	129
Phosphorus (mg/L)	-	< 0.10	< 0.10	0.13	-	0.19	0.20	0.17	-	0.36	0.29	0.30	-	0.11	0.15	< 0.10
Alkalinity, Bicarbonate (mg/L)	-	817	796	801	-	633	630	630	-	702	688	697	-	466	471	460
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	817	796	801	-	633	630	630	-	702	688	697	-	466	471	460
Dissolved Organic Carbon (DOC) (mg/L)	-	< 1.0	< 1.0	< 1.0	-	1.9	1.1	1.1	-	< 1.0	< 1.0	0.68	-	< 1.0	1.6	1.0
Nitrate (as N) (mg/L)	-	0.15	0.88	0.66	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	0.20
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Total Organic Carbon (TOC) (mg/L)	-	< 1.0	< 1.0	< 1.0	-	< 1.0	1.2	0.60	-	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0
Hardness, Total (mg/L)	-	120	112	129	-	321	343	355	-	106	110	104	-	401	390	399

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient															
	MW-705 855.95				MW-706 854.28				MW-707B 858.8				MW-708 853.03			
Measure Point (TOC)																
Sample Name	MW-705-031025	LAC-MW-705-051225	LAC-MW-705-061925	LAC-MW-705-090425	MW-706-031025	LAC-MW-706-051225	LAC-MW-706-061925	LAC-MW-706-090425	MW-707B-031025	LAC-MW-707B-051225	LAC-MW-707B-061925	LAC-MW-707B-090425	MW-708-031025	LAC-MW-708-051225	LAC-MW-708-061825	LAC-MW-708-090425
Sample Date	3/10/2025	5/12/2025	6/19/2025	9/4/2025	3/10/2025	5/12/2025	6/19/2025	9/4/2025	3/10/2025	5/12/2025	6/19/2025	9/4/2025	3/10/2025	5/12/2025	6/18/2025	9/4/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	10.00	9.60	12.00	-	8.67	9.60	10.96	-	9.00	14.40	9.75	-	8.41	8.15	8.74
Temperature (Deg C)	-	19.46	22.61	15.82	-	17.26	18.30	15.99	-	20.32	19.77	16.84	-	18.36	17.05	17.03
Conductivity (µS/cm)	-	1520	1470	1720	-	2400	2140	2210	-	6960	7780	8220	-	1260	1120	1150
Turbidity (NTU)	-	12.2	10.2	6.20	-	1.8	6.7	15.3	-	29.1	9.7	4.00	-	1.4	2.5	0.00
pH , Field (su)	-	7.38	7.29	7.42	-	6.74	7.42	7.49	-	6.69	6.79	6.77	-	6.70	7.49	7.48
Dissolved Oxygen, Field (mg/L)	-	0.00	4.81	0.00	-	0.00	0.00	0.00	-	0.00	0.04	0.12	-	0.00	0.00	0.00
Oxygen Reduction Potential, Field (mv)	-	-27	-44	-76	-	76	-74	-93	-	96	132	104	-	199	51	75
Ferrous Iron, Field (mg/L)	-	0.15	0.01	0.17	-	0.13	0.16	0.03	-	0.38	0.08	0.12	-	0.06	0.06	0.09
Boron, Total (mg/L)	-	1.9	1.9	2.1	-	1.9	1.9	2.1	-	1.6	1.6	1.8	-	1.4	1.3	1.3
Calcium, Total (mg/L)	-	26.6	26.8	29.2	-	22.5	22.1	25.1	-	344	341	394	-	28.2	26.5	28.2
Chloride (mg/L)	-	141	151	130	-	261	316	234	-	157	127	122	-	51.7	49.1	48.8
Fluoride (mg/L)	0.937	0.63	0.49	0.80	1.05	0.62	0.70	0.80	0.409	< 0.20	< 0.20	< 0.20	0.677	< 0.20	0.26	0.25
Sulfate (mg/L)	-	40.4	40.0	38.6	-	9.1	5.9	4.7	-	5500	6720	5430	-	10.5	10.3	9.8
pH (su)	-	7.4	7.5	7.4	-	7.6	7.6	7.5	-	6.9	7.0	6.8	-	7.5	7.4	7.4
TDS (mg/L)	-	1080	1040	1070	-	1300	1340	1380	-	8920	9150	8920	-	696	716	711
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic (mg/L)	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	0.0015	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.0969	0.088	0.085	0.087	0.217	0.19	0.19	0.24	0.0279	0.020	0.019	0.017	0.267	0.22	0.21	0.26
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	0.00154	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	0.0118	0.0085	0.010	0.014	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0020	< 0.0020	-	< 0.00200	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.137	0.11	0.12	0.12	0.146	0.12	0.13	0.12	1.63	1.1	1.4	1.4	0.0941	0.071	0.082	0.074
Molybdenum, Total (mg/L)	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010	0.00541	0.0047	0.0046	0.0051	< 0.00500	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0020	-	< 0.00200	-	< 0.0010	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020
Fluoride (mg/L)	0.937	0.63	0.49	0.80	1.05	0.62	0.70	0.80	0.409	< 0.20	< 0.20	< 0.20	0.677	< 0.20	0.26	0.25
Radium-226 & 228 Combined (pCi/L)	0.589 ± 0.384 (0.355)	< 1.34 ± 0.905 (1.35)	< 0.815 ± 0.681 (1.06)	< 1.23 ± 0.859 (1.32)	1.31 ± 0.499 (0.421)	< 1.28 ± 0.871 (1.32)	< 0.759 ± 0.824 (1.22)	2.07 ± 0.908 (1.06)	1.34 ± 0.435 (0.372)	2.42 ± 1.02 (1.37)	< 0.904 ± 0.772 (1.10)	< 0.960 ± 1.21 (1.92)	0.705 ± 0.410 (0.362)	< 0.863 ± 0.889 (1.39)	< 1.39 ± 1.03 (1.61)	< 1.16 ± 0.965 (1.49)
Aluminum, Dissolved (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	0.67	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Calcium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved (mg/L)	-	-	< 0.0010	-	-	-	< 0.0010	-	-	-	0.0065	-	-	-	< 0.0010	-
Iron, Dissolved (mg/L)	-	< 0.050	< 0.050	0.044	-	< 0.050	0.053	0.067	-	0.83	< 0.050	0.010	-	< 0.050	0.0046	< 0.050
Lithium, Dissolved (mg/L)	-	0.12	0.12	0.12	-	0.12	0.13	0.13	-	1.1	1.2	1.4	-	0.074	0.084	0.080
Manganese, Dissolved (mg/L)	-	0.0050	0.010	0.015	-	0.0025	0.016	0.057	-	1.9	1.2	2.4	-	0.024	0.071	0.060
Magnesium, Dissolved (mg/L)	-	27.7	30.5	31.6	-	19.2	19.5	20.1	-	689	673	753	-	33.9	32.1	33.5
Potassium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron (mg/L)	-	< 0.20	< 0.20	0.21	-	0.30	0.33	0.18	-	< 0.20	0.26	0.12	-	< 0.20	< 0.20	0.052
Aluminum, Total (mg/L)	-	< 0.050	< 0.050	0.14	-	0.45	0.22	0.26	-	0.71	0.57	0.33	-	< 0.050	0.011	0.016
Iron, Total (mg/L)	-	0.097	0.087	0.52	-	0.45	0.26	0.34	-	0.84	0.58	0.51	-	< 0.050	0.0050	0.012
Magnesium, Total (mg/L)	-	28.2	27.2	30.7	-	18.5	17.6	19.8	-	598	770	760	-	32.6	29.7	34.2
Manganese, Total (mg/L)	-	0.012	0.014	0.021	-	0.011	0.022	0.059	-	0.96	2.8	2.4	-	0.061	0.077	0.091
Potassium, Total (mg/L)	-	6.8	6.4	6.9	-	6.7	6.2	7.0	-	18.6	17.2	18.5	-	4.9	4.4	4.8
Sodium, Total (mg/L)	-	311	301	326	-	410	414	452	-	1060	1080	1020	-	189	181	198
Phosphorus (mg/L)	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	0.17	< 0.10	-	< 0.10	0.090	0.11
Alkalinity, Bicarbonate (mg/L)	-	695	676	682	-	774	772	784	-	648	797	800	-	567	549	553
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	695	676	682	-	774	772	784	-	648	797	800	-	567	549	553
Dissolved Organic Carbon (DOC) (mg/L)	-	1.3	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	-	4.2	< 1.0	4.2	-	< 1.0	1.3	0.55
Nitrate (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	-	0.12	0.15	< 0.10	-	0.35	0.14	0.18	-	< 0.10	0.082	< 0.10
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Total Organic Carbon (TOC) (mg/L)	-	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	-	2.1	< 5.0	4.0	-	< 1.0	< 1.0	< 1.0
Hardness, Total (mg/L)	-	185	179	202	-	133	127	143	-	3220	4020	4080	-	204	189	214

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient															
	MW-801				MW-802				MW-803				MW-804			
Measure Point (TOC)	857.65				853.47				855				855.2			
Sample Name	MW-801-031025	LAC-MW-801-051225	LAC-MW-801-061825	LAC-MW-801-090325	MW-802-031025	LAC-MW-802-051225	LAC-MW-802-061825	LAC-MW-802-090325	MW-803-031025	LAC-MW-803-051225	LAC-MW-803-061825	LAC-MW-803-090325	MW-804-031025	LAC-MW-804-051225	LAC-MW-804-061825	LAC-MW-804-090325
Sample Date	3/10/2025	5/12/2025	6/18/2025	9/3/2025	3/10/2025	5/12/2025	6/18/2025	9/3/2025	3/10/2025	5/12/2025	6/18/2025	9/3/2025	3/10/2025	5/12/2025	6/18/2025	9/3/2025
Final Lab Report Date	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025
Depth to Water (ft btoc)	-	4.95	4.77	4.46	-	8.66	9.45	9.68	-	38.07	-	41.26	-	10.92	11.70	10.72
Temperature (Deg C)	-	17.52	17.28	18.92	-	20.42	18.57	17.75	-	17.73	17.78	17.29	-	20.82	19.38	20.37
Conductivity (µS/cm)	-	1350	1420	1430	-	1020	1140	1210	-	1250	1140	1150	-	1110	987	1050
Turbidity (NTU)	-	0.0	2.1	0.00	-	0.0	2.6	0.00	-	0.9	41.3	0.00	-	0.0	3.4	0.00
pH , Field (su)	-	7.52	7.56	7.55	-	7.35	7.43	7.46	-	6.55	7.37	7.42	-	6.35	7.30	7.23
Dissolved Oxygen, Field (mg/L)	-	0.00	0.75	0.75	-	0.04	1.00	0.00	-	0.00	4.67	1.38	-	1.11	1.97	3.81
Oxygen Reduction Potential, Field (mv)	-	-83	-73	-128	-	-95	-167	-144	-	205	193	216	-	195	181	250
Ferrous Iron, Field (mg/L)	-	0.19	0.07	0.22	-	0.61	0.62	0.46	-	0.05	0.12	0.08	-	0.44	0.30	0.03
Boron, Total (mg/L)	-	2.1	2.1	2.2	-	1.8	2.2	2.4	-	1.8	1.9	2.1	-	1.4	1.5	1.6
Calcium, Total (mg/L)	-	23.9	23.2	24.7	-	32.1	27.5	27.4	-	42.9	44.2	47.6	-	63.3	66.2	72.4
Chloride (mg/L)	-	93.3	92.1	91.3	-	35.2	38.8	41.2	-	51.5	-	50.6	-	41.8	41.0	51.7
Fluoride (mg/L)	1.05	0.73	0.81	0.93	0.886	0.21	0.73	0.80	0.628	< 0.20	0.47	0.48	0.459	< 0.20	0.32	0.37
Sulfate (mg/L)	-	1.4	0.84	< 1.0	-	3.1	1.8	< 1.0	-	43.4	-	54.5	-	26.3	28.3	26.6
pH (su)	-	7.6	7.5	7.5	-	7.4	7.5	7.5	-	7.4	-	7.4	-	7.3	7.4	7.2
TDS (mg/L)	-	854	916	912	-	665	741	752	-	689	-	740	-	597	616	636
Antimony, Total (mg/L)	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-	< 0.00400	-	< 0.0010	-
Arsenic (mg/L)	< 0.00200	-	< 0.0010	0.0011	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010
Barium, Total (mg/L)	0.506	0.48	0.46	0.50	0.925	0.77	0.83	0.95	0.249	0.22	0.23	0.23	0.165	0.15	0.15	0.18
Beryllium, Total (mg/L)	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-	< 0.00200	-	< 0.00050	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00100	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	< 0.0010	< 0.0010	< 0.0010	-	< 0.0010	< 0.0010	< 0.0100	-	0.0014	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.00200	0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	-	0.00282	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.00200	< 0.0010	< 0.0010	-
Lithium, Total (mg/L)	0.105	0.083	0.091	0.085	0.0962	0.065	0.091	0.085	0.0775	0.060	0.065	0.060	0.0461	0.036	0.040	0.038
Molybdenum, Total (mg/L)	0.00511	0.0034	0.0026	0.0020	< 0.00500	< 0.0010	< 0.0010	< 0.0010	0.00676	0.0039	0.0043	0.0060	< 0.00500	< 0.0010	< 0.0010	< 0.0010
Selenium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Thallium, Total (mg/L)	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-	< 0.00200	-	< 0.0010	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020
Fluoride (mg/L)	1.05	0.73	0.81	0.93	0.886	0.21	0.73	0.80	0.628	< 0.20	0.47	0.48	0.459	< 0.20	0.32	0.37
Radium-226 & 228 Combined (pCi/L)	0.683 ± 0.376 (0.333)	1.99 ± 1.07 (1.58)	1.33 ± 0.789 (1.12)	< 0.796 ± 1.00 (1.60)	3.04 ± 0.472 (0.374)	2.07 ± 1.11 (1.57)	1.58 ± 0.922 (1.30)	1.57 ± 1.04 (1.56)	1.04 ± 0.511 (0.386)	< 1.04 ± 0.857 (1.30)	-	-	0.873 ± 0.422 (0.349)	1.61 ± 0.709 (0.807)	< 0.621 ± 0.881 (1.40)	< 0.494 ± 0.975 (1.58)
Aluminum, Dissolved (mg/L)	-	< 0.050	0.012	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	0.086	< 0.050	-	< 0.050	< 0.050	< 0.050
Calcium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved (mg/L)	-	-	< 0.0010	-	-	-	< 0.0010	-	-	-	< 0.0010	-	-	-	< 0.0010	-
Iron, Dissolved (mg/L)	-	< 0.050	0.026	0.39	-	1.0	0.51	0.41	-	< 0.050	0.12	< 0.050	-	< 0.050	0.0083	< 0.050
Lithium, Dissolved (mg/L)	-	0.091	0.094	0.095	-	0.068	0.092	0.090	-	0.061	0.068	0.065	-	0.040	0.042	0.040
Manganese, Dissolved (mg/L)	-	< 0.0010	0.017	0.024	-	0.0074	0.015	0.0063	-	0.0060	0.0099	0.0018	-	0.0087	0.0090	0.0037
Magnesium, Dissolved (mg/L)	-	21.6	21.3	21.4	-	26.7	28.2	29.1	-	33.0	33.9	36.0	-	22.9	22.8	23.5
Potassium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron (mg/L)	-	< 0.20	< 0.20	0.54	-	1.1	0.90	0.49	-	0.20	0.62	< 0.20	-	< 0.20	0.30	< 0.20
Aluminum, Total (mg/L)	-	< 0.050	0.023	< 0.050	-	< 0.050	0.027	< 0.050	-	0.49	1.5	0.38	-	0.055	0.019	< 0.050
Iron, Total (mg/L)	-	< 0.050	0.053	0.42	-	1.1	0.51	0.44	-	0.70	1.9	0.44	-	< 0.050	0.030	< 0.050
Magnesium, Total (mg/L)	-	20.1	19.6	20.9	-	25.0	26.7	29.5	-	32.4	31.3	38.2	-	21.7	22.1	24.6
Manganese, Total (mg/L)	-	< 0.0010	0.017	0.024	-	0.046	0.016	0.0066	-	0.045	0.040	0.017	-	0.015	0.015	0.011
Potassium, Total (mg/L)	-	5.7	5.4	5.8	-	4.6	5.1	5.6	-	5.1	5.0	5.4	-	2.9	2.6	2.9
Sodium, Total (mg/L)	-	270	271	284	-	159	197	219	-	154	156	165	-	119	124	132
Phosphorus (mg/L)	-	< 0.10	0.080	< 0.10	-	< 0.10	0.11	< 0.10	-	< 0.10	0.59	< 0.10	-	< 0.10	0.088	< 0.10
Alkalinity, Bicarbonate (mg/L)	-	662	649	657	-	540	589	607	-	502	-	498	-	482	460	457
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	-	< 20.0	-	< 20.0	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	662	649	657	-	540	589	607	-	502	-	498	-	482	460	457
Dissolved Organic Carbon (DOC) (mg/L)	-	1.9	< 1.0	< 1.0	-	2.9	1.1	< 1.0	-	< 1.0	-	< 1.0	-	< 1.0	0.93	< 1.0
Nitrate (as N) (mg/L)	-	0.49	0.11	< 0.10	-	< 0.10	< 0.10	< 0.10	-	0.93	-	1.7	-	0.17	0.17	< 0.10
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	-	< 0.10	-	< 0.10	-	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	< 0.050	-	0.22	0.25	< 0.050	-	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050
Total Organic Carbon (TOC) (mg/L)	-	< 1.0	< 1.0	< 1.0	-	2.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0
Hardness, Total (mg/L)	-	141	139	147	-	182	179	191	-	244	239	283	-	250	256	279

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient														
	MW-805							MW-TW1				MW-10D			
Measure Point (TOC)	854.63							862.1				877.40			
Sample Name	MW-805-031025	LAC-MW-805-051225	LAC-DUP1-051225	LAC-MW-805-061725	LAC-DUP1-061725	LAC-MW-805-090325	LAC-DUP2-090325	TW-1-031025	LAC-TW-1-051225	LAC-TW-1-061925	LAC-TW-1-090425	MW-10D-040925	LAC-MW-10D-051425	LAC-MW-10D-061625	LAC-MW-10D-090525
Sample Date	3/10/2025	5/12/2025	5/12/2025	6/17/2025	6/17/2025	9/3/2025	9/3/2025	3/10/2025	5/12/2025	6/19/2025	9/4/2025	4/9/2025	5/14/2025	6/16/2025	9/5/2025
Final Lab Report Date	3/17/2025	6/19/2025	6/19/2025	7/16/2025	7/16/2025	9/26/2025	9/26/2025	3/17/2025	6/19/2025	7/16/2025	9/26/2025	5/1/2025	6/18/2025	7/14/2025	9/24/2025
Final Radiation Lab Report Date	4/2/2025	6/20/2025	6/20/2025	7/17/2025	7/17/2025	9/29/2025	9/29/2025	4/2/2025	6/20/2025	7/17/2025	9/29/2025	5/2/2025	6/20/2025	7/18/2025	9/29/2025
Lab Data Reviewed and Accepted	6/23/2025	8/5/2025	8/5/2025	8/8/2025	8/8/2025	11/24/2025	11/24/2025	6/23/2025	8/5/2025	8/8/2025	11/24/2025		8/6/2025	8/8/2025	11/21/2025
Depth to Water (ft btoc)	-	7.45	-	4.69	-	6.60	-	-	18.68	19.65	20.05	-	11.07	10.56	9.64
Temperature (Deg C)	-	22.24	-	19.02	-	19.48	-	-	20.38	18.36	16.65	22.90	27.90	27.50	17.35
Conductivity (µS/cm)	-	2700	-	3240	-	3300	-	-	1480	1660	1690	1100	1100	955	942
Turbidity (NTU)	-	2.9	-	13.1	-	3.70	-	-	0.0	1.7	0.00	4.1	3.8	18	45.5
pH , Field (su)	-	6.36	-	6.37	-	6.40	-	-	7.76	7.67	7.68	7.25	7.15	7.81	7.83
Dissolved Oxygen, Field (mg/L)	-	0.67	-	0.18	-	0.00	-	-	7.25	3.33	7.01	2.8	0.00	0.05	0.31
Oxygen Reduction Potential, Field (mv)	-	295	-	471	-	462	-	-	110	168	79	41	-54	-182	-194
Ferrous Iron, Field (mg/L)	-	0.20	-	0.00	-	0.00	-	-	0.05	0.08	0.10	0.08	0.00	0.29	0.52
Boron, Total (mg/L)	-	0.50	0.45	0.42	0.40	0.49	0.49	-	1.3	1.2	1.4	2.1	2.2	2.1	2.3
Calcium, Total (mg/L)	-	470	428	459	442	469	484	-	23.0	21.5	24.7	27.0	26.6	25.9	27.8
Chloride (mg/L)	-	541	509	568	621	509	515	-	42.1	39.3	42.3	55.2	57.9	101	51.0
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.379	< 0.20	< 0.20	0.25	1.4	1.2	0.80	1.0
Sulfate (mg/L)	-	758	718	911	996	735	744	-	71.2	55.8	67.1	3.6	4.4	3.3	0.89
pH (su)	-	6.4	6.4	6.5	6.6	6.3	6.3	-	7.8	7.8	7.6	6.8	8.2	7.9	7.9
TDS (mg/L)	-	2370	2500	2410	2340	2540	2480	-	1080	1140	1110	601	608	595	580
Antimony, Total (mg/L)	< 0.00400	-	-	< 0.0010	< 0.0010	-	-	< 0.00400	-	< 0.0010	-	0.0029	-	-	-
Arsenic (mg/L)	< 0.00200	-	-	0.0014	0.0013	< 0.0010	< 0.0010	< 0.00200	-	< 0.0010	< 0.0010	0.0022	-	-	0.0029
Barium, Total (mg/L)	0.0319	0.028	0.029	0.025	0.026	0.032	0.031	0.0616	0.057	0.056	0.064	0.398	0.40	0.38	0.40
Beryllium, Total (mg/L)	< 0.00200	-	-	< 0.00050	< 0.00050	-	-	< 0.00200	-	< 0.00050	-	< 0.00050	-	-	-
Cadmium, Total (mg/L)	< 0.00100	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	-	< 0.00100	< 0.00050	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	-
Chromium, Total (mg/L)	< 0.0100	-	-	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0100	-	< 0.0010	< 0.0010	< 0.0010	-	-	0.0014
Cobalt, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00042	0.00030
Lead, Total (mg/L)	< 0.00200	< 0.0010	< 0.0010	< 0.0010	< 0.0010	-	-	< 0.00200	< 0.0010	< 0.0010	-	< 0.0010	< 0.0010	0.00037	-
Lithium, Total (mg/L)	0.0269	0.020	0.016	0.023	0.022	0.020	0.022	0.148	0.13	0.13	0.13	0.0511	0.056	0.057	0.051
Molybdenum, Total (mg/L)	< 0.00500	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.00500	< 0.0010	< 0.0010	< 0.0010	0.0055	0.0076	0.0070	0.0067
Selenium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-	< 0.00200	-	< 0.0010	-	< 0.0010	-	-	-
Thallium, Total (mg/L)	< 0.00200	-	-	< 0.0010	< 0.0010	-	-	< 0.00200	-	< 0.0010	-	-	-	-	-
Mercury, Total (mg/L)	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.000200	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020
Fluoride (mg/L)	< 0.15	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.379	< 0.20	< 0.20	0.25	1.4	1.2	0.80	1.0
Radium-226 & 228 Combined (pCi/L)	0.807 ± 0.435 (0.408)	< 1.11 ± 0.861 (1.32)	< 1.23 ± 1.06 (1.61)	1.73 ± 0.914 (1.27)	1.68 ± 0.957 (1.64)	< 0.472 ± 1.16 (1.97)	2.04 ± 1.10 (1.62)	1.94 ± 0.403 (0.344)	< 1.39 ± 1.05 (1.69)	< 0.889 ± 0.925 (1.53)	1.69 ± 1.07 (1.68)	< 0.778 ± 0.778 (1.20)	< 1.70 ± 0.846 (1.07)	1.31 ± 0.879 (1.17)	< 0.749 ± 0.983 (1.33)
Aluminum, Dissolved (mg/L)	-	0.31	0.27	< 0.050	< 0.050	< 0.050	< 0.050	-	0.070	< 0.050	< 0.050	< 0.050	-	0.027	0.020
Calcium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved (mg/L)	-	-	-	0.00055	0.00057	-	-	-	-	< 0.0010	-	-	-	0.00013	-
Iron, Dissolved (mg/L)	-	0.35	0.32	0.027	0.093	0.062	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	-	0.10	0.30
Lithium, Dissolved (mg/L)	-	0.015	0.016	0.019	0.018	0.024	0.022	-	0.13	0.14	0.14	0.052	-	0.053	0.054
Manganese, Dissolved (mg/L)	-	0.52	0.52	0.44	0.44	0.48	0.46	-	< 0.0010	< 0.0010	< 0.0010	0.058	-	0.096	0.11
Magnesium, Dissolved (mg/L)	-	125	125	132	131	139	135	-	58.2	57.3	54.7	17.3	-	16.7	17.5
Potassium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron (mg/L)	-	< 0.20	< 0.20	0.074	0.058	< 0.20	< 0.20	-	< 0.20	< 0.20	0.070	0.23	< 0.20	0.69	0.48
Aluminum, Total (mg/L)	-	0.25	0.24	0.24	0.23	0.61	0.97	-	< 0.050	< 0.050	0.0096	0.31	-	0.54	0.53
Iron, Total (mg/L)	-	0.31	0.30	0.23	0.22	0.62	0.85	-	< 0.050	< 0.050	0.030	0.43	-	0.96	0.94
Magnesium, Total (mg/L)	-	126	128	126	120	133	138	-	56.9	50.5	59.5	17.9	-	16.5	17.9
Manganese, Total (mg/L)	-	0.54	0.56	0.47	0.45	0.44	0.45	-	0.0021	0.0021	0.0023	0.077	-	0.11	0.13
Potassium, Total (mg/L)	-	1.6	1.6	1.3	1.3	1.6	1.8	-	7.9	7.3	8.3	5.6	-	5.0	5.1
Sodium, Total (mg/L)	-	82.6	84.1	85.1	82.1	88.7	93.1	-	291	281	317	173	-	158	171
Phosphorus (mg/L)	-	< 0.10	0.14	0.092	0.36	< 0.10	< 0.10	-	< 0.10	< 0.10	0.095	0.20	< 0.10	0.12	0.11
Alkalinity, Bicarbonate (mg/L)	-	423	427	428	427	434	433	-	872	842	848	446	-	449	437
Alkalinity, Carbonate (mg/L)	-	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0	< 20.0	< 20.0	-	< 20.0	< 20.0
Alkalinity, Total (mg/L)	-	423	427	428	427	434	433	-	872	842	848	446	-	449	437
Dissolved Organic Carbon (DOC) (mg/L)	-	1.2	1.2	< 1.0	< 1.0	< 1.0	< 1.0	-	1.7	< 1.0	0.67	1.3	< 1.0	1.2	1.0
Nitrate (as N) (mg/L)	-	0.87	0.86	0.18	0.17	< 0.10	< 0.10	-	0.16	0.79	0.93	< 0.10	< 0.10	0.18	< 0.10
Nitrite (as N) (mg/L)	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	-	< 0.050	< 0.050	0.021	0.034	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.051	0.41
Total Organic Carbon (TOC) (mg/L)	-	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	-	< 1.0	< 1.0	0.61	2.1	1.1	2.5	0.82
Hardness, Total (mg/L)	-	1670	1700	1670	1600	1680	1750	-	291	262	306	145	-	67.8	143

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III
SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING
EVERGY METRO, INC.
LA CYGNE GENERATING STATION, CCR SYSTEM
LA CYGNE, KANSAS

Location	Downgradient															
	MW-707D					MW-B1					MW-B2					
Measure Point (TOC)	858.92					858.92					860.49					
Sample Name	MW-707D-040925	AC-MW-707D-051325	AC-MW-707D-061625	AC-N&E-DUP-061625	AC-MW-707D-090425	B-1-040825	LAC-B-1-051425	LAC-B-1-061725	LAC-B-1-090425	B-2-040825	LAC-N&E-DUP-040825	LAC-B-2-051325	LAC-N&E-DUP-051325	LAC-B-2-061725	LAC-B-2-090425	LAC-N&E-DUP-090425
Sample Date	4/9/2025	5/13/2025	6/16/2025	6/16/2025	9/4/2025	4/8/2025	5/14/2025	6/17/2025	9/4/2025	4/8/2025	4/8/2025	5/13/2025	5/13/2025	6/17/2025	9/4/2025	9/4/2025
Final Lab Report Date	5/1/2025	6/18/2025	7/14/2025	7/14/2025	9/24/2025	4/25/2025	6/18/2025	7/14/2025	9/24/2025	4/25/2025	4/25/2025	6/18/2025	6/18/2025	7/14/2025	9/24/2025	5/1/2025
Final Radiation Lab Report Date	5/2/2025	6/20/2025	7/18/2025	7/18/2025	9/29/2025	5/2/2025	6/20/2025	7/18/2025	9/29/2025	5/2/2025	5/2/2025	6/20/2025	6/20/2025	7/18/2025	9/29/2025	5/2/2025
Lab Data Reviewed and Accepted		8/6/2025	8/8/2025	8/8/2025	11/21/2025		8/6/2025	8/8/2025	11/21/2025			8/6/2025	8/6/2025	8/8/2025	11/21/2025	
Depth to Water (ft btoc)	-	10.72	10.51	-	10.70	-	18.97	18.67	19.05	-	-	16.49	-	16.35	16.42	-
Temperature (Deg C)	19.33	23.10	27.52	-	23.66	18.86	25.10	18.18	21.04	15.78	-	21.76	-	18.71	19.25	-
Conductivity (µS/cm)	4230	4180	3680	-	3720	1280	1630	1910	2010	1010	-	865	-	911	901	-
Turbidity (NTU)	18.8	1.9	11.4	-	7.5	35.2	3.6	131	176	2.8	-	42.6	-	36.3	156	-
pH , Field (su)	7.13	6.93	7.58	-	7.52	7.54	7.01	7.56	7.51	7.93	-	7.77	-	7.68	7.18	-
Dissolved Oxygen, Field (mg/L)	0.7	5.90	0.09	-	5.75	0.0	3.42	0.09	0.14	1.4	-	4.25	-	7.01	0.00	-
Oxygen Reduction Potential, Field (mv)	-142	61	-95	-	-163	131	115	-151	-159	56	-	-16	-	28	-82	-
Ferrous Iron, Field (mg/L)	1.72	0.13	0.07	-	0.56	1.02	0.27	1.39	0.41	0.07	-	0.07	-	0.28	0.05	-
Boron, Total (mg/L)	1.6	1.6	1.6	1.7	1.8	0.81	1.0	1.4	1.7	0.28	0.29	0.24	0.29	0.28	0.45	0.46
Calcium, Total (mg/L)	29.0	24.9	24.8	25.7	24.5	38.1	28.2	37.6	156	24.9	25.7	19.5	27.0	26.9	44.1	46.8
Chloride (mg/L)	653	667	723	697	677	33.8	39.5	40.3	35.5	26.9	26.6	25.4	27.7	22.3	26.1	26.3
Fluoride (mg/L)	0.56	0.31	0.41	0.41	0.57	0.78	0.30	0.22	0.31	0.52	0.49	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sulfate (mg/L)	8.1	8.3	6.4	6.4	1.7	77.3	73.7	69.9	55.4	49.6	47.5	47.7	51.7	51.2	45.9	45.0
pH (su)	7.6	7.7	7.9	7.8	7.7	7.9	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.7
TDS (mg/L)	2210	2250	2350	2320	2350	1000	1170	1470	1900	527	508	558	552	563	654	641
Antimony, Total (mg/L)	0.0016	-	-	-	-	< 0.0010	-	-	-	< 0.0010	< 0.0010	-	-	-	-	-
Arsenic (mg/L)	0.004	-	-	-	0.0040	0.0034	-	-	0.0088	< 0.0010	< 0.0010	-	-	-	0.0043	0.00031
Barium, Total (mg/L)	0.953	0.89	0.97	0.99	1.1	0.117	0.12	0.16	0.44	0.187	0.192	0.20	0.20	0.20	0.39	0.19
Beryllium, Total (mg/L)	< 0.00050	-	-	-	-	0.0011	-	-	-	< 0.00050	< 0.00050	-	-	-	-	-
Cadmium, Total (mg/L)	< 0.00050	< 0.00050	0.038	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	-
Chromium, Total (mg/L)	0.001	-	-	-	0.00097	0.0194	-	-	0.072	< 0.0010	< 0.0010	-	-	-	0.013	< 0.0010
Cobalt, Total (mg/L)	0.0013	< 0.0010	0.00076	0.00078	0.00097	0.0094	0.0072	0.0065	0.038	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00042	0.0072	0.00012
Lead, Total (mg/L)	< 0.0010	< 0.0010	< 0.0010	< 0.001	-	0.002	0.0014	0.0014	-	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00025	-	-
Lithium, Total (mg/L)	0.176	0.18	0.19	0.19	0.19	0.0888	0.11	0.14	0.21	0.04	0.043	0.048	0.044	0.044	0.060	0.063
Molybdenum, Total (mg/L)	0.0055	0.0052	0.049	0.0048	0.0027	0.0164	0.0094	0.0051	0.0024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00025	0.0015	0.00018
Selenium, Total (mg/L)	< 0.0010	-	-	-	-	0.0025	-	-	-	< 0.0010	< 0.0010	-	-	-	-	-
Thallium, Total (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total (mg/L)	< 0.00020	< 0.00020	-	-	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020
Fluoride (mg/L)	0.56	0.31	0.41	0.41	0.57	0.78	0.30	0.22	0.31	0.52	0.49	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Radium-226 & 228 Combined (pCi/L)	3.24 ± 1.04 (1.24)	< 2.61 ± 1.00 (1.25)	2.49 ± 1.17 (1.53)	2.1 ± 1.04 (1.42)	2.06 ± 0.856 (0.956)	2.22 ± 0.977 (1.36)	< 3.25 ± 1.06 (1.12)	1.79 ± 0.980 (1.39)	7.51 ± 1.50 (1.20)	0.113 ± 0.596 (0.98)	< 0.123 ± 0.710 (1.17)	< 0.807 ± 0.730 (1.19)	< 0.644 ± 0.762 (1.22)	1.64 ± 1.00 (1.43)	0.710 ± 0.775 (0.98)	< 0.747 ± 0.827 (1.02)
Aluminum, Dissolved (mg/L)	< 0.050	-	0.017	0.016	0.015	< 0.050	-	< 0.050	0.031	< 0.050	< 0.050	-	-	< 0.050	< 0.050	-
Calcium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved (mg/L)	-	-	0.00064	0.00064	-	-	-	0.0012	-	-	-	-	-	< 0.0010	-	-
Iron, Dissolved (mg/L)	0.77	-	0.043	0.039	1.7	< 0.050	-	1.0	0.72	< 0.050	< 0.050	-	-	< 0.050	0.023	-
Lithium, Dissolved (mg/L)	0.18	-	0.19	0.18	0.20	0.077	-	0.12	0.15	0.044	0.042	-	-	0.039	0.045	-
Manganese, Dissolved (mg/L)	0.23	-	0.13	0.13	0.22	0.016	-	0.16	0.16	0.086	0.084	-	-	0.030	0.054	-
Magnesium, Dissolved (mg/L)	14.3	-	13.5	14.5	14.5	19.3	-	35.5	40.2	49.0	49.1	-	-	49.9	48.1	44.7
Potassium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Dissolved (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron (mg/L)	1.3	0.30	0.25	0.87	1.3	5.3	3.5	4.2	46.2	< 0.20	< 0.20	0.20	< 0.20	0.30	4.2	4.5
Aluminum, Total (mg/L)	0.63	-	0.25	0.30	0.47	11.2	-	11.5	54.0	0.073	0.065	-	-	0.65	8.6	< 0.050
Iron, Total (mg/L)	1.4	-	0.33	0.39	1.8	12.1	-	11.0	77.7	0.096	0.088	-	-	0.82	15.0	0.015
Magnesium, Total (mg/L)	15.0	-	14.0	14.3	14.1	22.6	-	44.2	76.3	46.4	47.3	-	-	49.6	44.4	44.3
Manganese, Total (mg/L)	0.27	-	0.14	0.14	0.23	0.22	-	0.28	1.4	0.11	0.11	-	-	0.074	0.97	0.044
Potassium, Total (mg/L)	10.7	-	9.2	9.7	9.6	10.2	-	10.8	20.3	4.1	4.1	-	-	4.1	7.0	7.1
Sodium, Total (mg/L)	734	-	721	735	776	230	-	371	437	108	110	-	-	107	169	172
Phosphorus (mg/L)	0.26	0.12	0.17	< 0.10	0.13	0.83	0.84	0.44	2.0	0.11	0.11	0.13	0.11	< 0.10	0.28	0.20
Alkalinity, Bicarbonate (mg/L)	917	-	928	916	948	547	-	1000	1160	433	436	-	-	426	460	464
Alkalinity, Carbonate (mg/L)	< 20.0	-	< 20.0	< 20.0	< 20.0	< 20.0	-	< 20.0	< 80.0	< 20.0	< 20.0	-	-	< 20.0	< 20.0	< 20.0
Alkalinity, Total (mg/L)	917	-	928	916	948	547	-	1000	1160	433	436	-	-	426	460	464
Dissolved Organic Carbon (DOC) (mg/L)	1.1	< 1.0	< 1.0	0.82	< 1.0	3.2	2.4	2.4	1.3	1.9	1.9	1.4	2.2	3.0	4.6	1.6
Nitrate (as N) (mg/L)	< 0.10	< 0.10	0.075	0.072	< 0.10	0.43	0.86	0.43	< 0.10	< 0.10	< 0.10	0.11	0.11	0.096	< 0.10	< 0.10
Nitrite (as N) (mg/L)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	< 0.050	< 0.050	< 0.050	0.018	0.028	0.42	0.39	0.52	4.5	< 0.050	< 0.050	< 0.050	< 0.050	0.031	0.38	0.39
Total Organic Carbon (TOC) (mg/L)	1.4	< 1.0	0.97	< 1.0	< 1.0	3.2	4.7	1.2	1.5	1.5	1.4	1.6	2.3	1.2	1.4	1.4
Hardness, Total (mg/L)	134	-	57.5	59.1	119	172	-	182	703	251	256	-	-	204	293	300

Notes:
Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).
* = Data previously reported in data submittals associated with the sample dates
¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.
Radiological results are presented as activity plus or minus uncertainty with MDC.
µS/cm = micro Siemens per centimeter
Deg C = degrees Celsius
ft btoc = feet below top of casing
mg/L = milligrams per liter
N/A = Not Applicable
NTU = Nephelometric Turbidity Unit
pCi/L = picoCuries per liter
su = standard unit
TDS = total dissolved solids
TOC = top of casing

TABLE III

SUMMARY OF ANALYTICAL RESULTS - 2025 NATURE AND EXTENT MONITORING

EVERGY METRO, INC.

LA CYGNE GENERATING STATION, CCR SYSTEM

LA CYGNE, KANSAS

Location	Downgradient							
	MW-B3				MW-B4			
Measure Point (TOC)	850.01				903.29			
Sample Name	B-3-040925	LAC-B-3-051425	LAC-B-3-061725	LAC-B-3-090425	B-4-040925	LAC-B-4-051425	LAC-B-4-061625	LAC-B-4-090525
Sample Date	4/9/2025	5/14/2025	6/17/2025	9/4/2025	4/9/2025	5/14/2025	6/16/2025	9/5/2025
Final Lab Report Date	5/1/2025	6/18/2025	7/14/2025	9/24/2025	5/1/2025	6/18/2025	7/14/2025	9/24/2025
Final Radiation Lab Report Date	5/2/2025	6/20/2025	7/18/2025	9/29/2025	5/2/2025	6/20/2025	7/18/2025	9/29/2025
Lab Data Reviewed and Accepted		8/6/2025	8/8/2025	11/21/2025		8/6/2025	8/8/2025	
Depth to Water (ft btoc)	-	25.32	24.4	17.54	-	19.45	19.4	19.97
Temperature (Deg C)	16.44	24.39	17.77	18.26	19.00	20.55	20.45	15.31
Conductivity (µS/cm)	2210	2420	2250	2150	1040	976	751	787
Turbidity (NTU)	999	158	1000	88	357	1000	837	1000
pH , Field (su)	7.45	6.72	7.36	6.97	6.05	7.52	6.95	7.35
Dissolved Oxygen, Field (mg/L)	0.18	4.27	2.24	0.00	0.0	0.76	0.00	0.00
Oxygen Reduction Potential, Field (mv)	155	179	83	118	-58	-117	-93	-138
Ferrous Iron, Field (mg/L)	0.27	0.38	0.03	0.00	0.91	0.15	0.38	0.94
Boron, Total (mg/L)	0.87	0.95	1.0	0.74	0.62	0.76	0.39	0.27
Calcium, Total (mg/L)	665	301	4450	123	49.1	54.6	67.1	79.3
Chloride (mg/L)	139	149	151	155	79.7	98.9	41.1	26.8
Fluoride (mg/L)	0.36	0.41	< 4.0	0.21	0.70	0.45	0.20	0.41
Sulfate (mg/L)	61.3	53.3	55.3	53.9	34.6	25.2	34.5	23.1
pH (su)	7.6	7.6	7.8	7.4	7.5	7.6	7.5	7.5
TDS (mg/L)	1620	1750	5830	1730	629	701	601	564
Antimony, Total (mg/L)	< 0.0100	-	-	-	< 0.0010	-	-	-
Arsenic (mg/L)	0.0339	-	-	0.0034	0.0042	-	-	0.017
Barium, Total (mg/L)	2.56	1.1	8.7	0.56	0.215	0.52	0.25	0.48
Beryllium, Total (mg/L)	0.024	-	-	-	< 0.00050	-	-	-
Cadmium, Total (mg/L)	< 0.0050	< 0.00050	0.0072	-	< 0.00050	< 0.00050	0.000076	-
Chromium, Total (mg/L)	0.452	-	-	0.034	0.0068	-	-	0.081
Cobalt, Total (mg/L)	0.228	0.067	0.89	0.018	0.004	0.046	0.0098	0.045
Lead, Total (mg/L)	0.0498	0.017	0.26	-	0.0012	0.018	0.0036	-
Lithium, Total (mg/L)	0.498	0.26	1.6	0.14	0.0492	0.14	0.064	0.13
Molybdenum, Total (mg/L)	< 0.0100	0.0077	< 0.020	0.0047	0.0138	0.0046	0.0042	0.0036
Selenium, Total (mg/L)	0.0551	-	-	-	< 0.0010	-	-	-
Thallium, Total (mg/L)	-	-	-	-	-	-	-	-
Mercury, Total (mg/L)	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020
Fluoride (mg/L)	0.36	0.41	< 4.0	0.21	0.70	0.45	0.20	0.41
Radium-226 & 228 Combined (pCi/L)	3.54 ± 0.994 (1.01)	3.69 ± 1.09 (1.19)	5.28 ± 1.34 (1.35)	3.06 ± 0.952 (0.974)	1.99 ± 0.849 (0.978)	6.67 ± 1.37 (1.15)	1.82 ± 0.981 (1.29)	6.02 ± 1.27 (0.963)
Aluminum, Dissolved (mg/L)	916	-	0.023	0.17	< 0.050	-	< 0.050	0.36
Calcium, Dissolved (mg/L)	-	-	-	-	-	-	-	-
Cobalt, Dissolved (mg/L)	-	-	< 0.0010	-	-	-	0.00086	-
Iron, Dissolved (mg/L)	1650	-	0.023	0.18	0.36	-	0.39	1.4
Lithium, Dissolved (mg/L)	1.3	-	0.14	0.16	0.042	-	0.026	0.029
Manganese, Dissolved (mg/L)	35.7	-	0.0037	0.017	0.55	-	0.42	0.41
Magnesium, Dissolved (mg/L)	684	-	34.2	36.0	10.5	-	12.0	12.7
Potassium, Dissolved (mg/L)	-	-	-	-	-	-	-	-
Sodium, Dissolved (mg/L)	-	-	-	-	-	-	-	-
Ferrous Iron (mg/L)	518	10.1	98.1	9.8	4.3	102	14.1	30.6
Aluminum, Total (mg/L)	821	-	1010	27.2	5.3	-	13.1	50.8
Iron, Total (mg/L)	1510	-	1800	41.3	8.8	-	19.9	103
Magnesium, Total (mg/L)	715	-	917	75.8	12.6	-	16.2	37.1
Manganese, Total (mg/L)	34.8	-	49.3	0.85	0.69	-	0.63	1.6
Potassium, Total (mg/L)	97.2	-	80.2	13.6	5.6	-	5.0	9.1
Sodium, Total (mg/L)	362	-	373	461	154	-	107	92.9
Phosphorus (mg/L)	21.3	11.4	0.42	1.6	0.54	1.8	0.27	1.6
Alkalinity, Bicarbonate (mg/L)	687	-	4440	1060	374	-	376	391
Alkalinity, Carbonate (mg/L)	< 20.0	-	< 80.0	< 80.0	< 20.0	-	< 20.0	< 80.0
Alkalinity, Total (mg/L)	687	-	4440	1060	374	-	376	391
Dissolved Organic Carbon (DOC) (mg/L)	< 1.0	1.4	6.2	0.70	1.8	< 1.0	0.83	1.1
Nitrate (as N) (mg/L)	3.3	8.8	0.15	9.0	0.12	< 0.10	< 0.10	0.21
Nitrite (as N) (mg/L)	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfide (mg/L)	83.1	0.51	65.8	1.6	0.12	0.71	0.28	3.2
Total Organic Carbon (TOC) (mg/L)	2.2	1.6	1.9	0.60	1.9	1.0	1.0	1.4
Hardness, Total (mg/L)	11200	-	3780	620	193	-	66.7	351

Notes:

Bold value: Detection above laboratory reporting limit or minimum detectable concentration (MDC).

* = Data previously reported in data submittals associated with the sample dates

¹ = Additional analyses included in analytical report were previously reported in the CCR compliance data submittals and are not included on this table.

Radiological results are presented as activity plus or minus uncertainty with MDC.

µS/cm = micro Siemens per centimeter

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

N/A = Not Applicable

NTU = Nephelometric Turbidity Unit

pCi/L = picoCuries per liter

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

PAGE 1 OF 6

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Arsenic, Total (mg/L)		
MW-13 (upgradient)	0.003	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.010
MW-6		0.010
MW-7		0.010
MW-705		0.010
MW-706		0.010
MW-707B		0.010
MW-708		0.010
MW-801		0.010
MW-802		0.010
MW-803A		0.010
MW-804		0.010
MW-805		0.010
TW-1		0.010
CCR Appendix-IV: Barium, Total (mg/L)		
MW-13 (upgradient)	0.408	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		2
MW-6		2
MW-7		2
MW-705		2
MW-706		2
MW-707B		2
MW-708		2
MW-801		2
MW-802		2
MW-803A		2
MW-804		2
MW-805		2
TW-1		2

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Cadmium, Total (mg/L)		
MW-13 (upgradient)	0.0010	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.005
MW-6		0.005
MW-7		0.005
MW-705		0.005
MW-706		0.005
MW-707B		0.005
MW-708		0.005
MW-801		0.005
MW-802		0.005
MW-803A		0.005
MW-804		0.005
MW-805		0.005
TW-1		0.005
CCR Appendix-IV: Chromium, Total (mg/L)		
MW-13 (upgradient)	0.0033	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.1
MW-6		0.1
MW-7		0.1
MW-705		0.1
MW-706		0.1
MW-707B		0.1
MW-708		0.1
MW-801		0.1
MW-802		0.1
MW-803A		0.1
MW-804		0.1
MW-805		0.1
TW-1		0.1

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Cobalt, Total (mg/L)		
MW-13 (upgradient)	0.0020	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.006
MW-6		0.006
MW-7		0.006
MW-705		0.006
MW-706		0.006
MW-707B		0.006
MW-708		0.006
MW-801		0.006
MW-802		0.006
MW-803A		0.006
MW-804		0.006
MW-805		0.006
TW-1		0.006
CCR Appendix-IV: Fluoride, Total (mg/L)		
MW-13 (upgradient)	1.810	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		4.0
MW-6		4.0
MW-7		4.0
MW-705		4.0
MW-706		4.0
MW-707B		4.0
MW-708		4.0
MW-801		4.0
MW-802		4.0
MW-803A		4.0
MW-804		4.0
MW-805		4.0
TW-1		4.0

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Lead, Total (mg/L)		
MW-13 (upgradient)	0.002	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.015
MW-6		0.015
MW-7		0.015
MW-705		0.015
MW-706		0.015
MW-707B		0.015
MW-708		0.015
MW-801		0.015
MW-802		0.015
MW-803A		0.015
MW-804		0.015
MW-805		0.015
TW-1		0.015
CCR Appendix-IV: Lithium, Total (mg/L)		
MW-13 (upgradient)	0.278	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.278
MW-6		0.278
MW-7		0.278
MW-705		0.278
MW-706		0.278
MW-707B		0.278
MW-708		0.278
MW-801		0.278
MW-802		0.278
MW-803A		0.278
MW-804		0.278
MW-805		0.278
TW-1		0.278

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Molybdenum, Total (mg/L)		
MW-13 (upgradient)	0.019	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.100
MW-6		0.100
MW-7		0.100
MW-705		0.100
MW-706		0.100
MW-707B		0.100
MW-708		0.100
MW-801		0.100
MW-802		0.100
MW-803A		0.100
MW-804		0.100
MW-805		0.100
TW-1		0.100
CCR Appendix-IV: Radium-226 & 228 (pCi/L)		
MW-13 (upgradient)	4.480	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		5
MW-6		5
MW-7		5
MW-705		5
MW-706		5
MW-707B		5
MW-708		5
MW-801		5
MW-802		5
MW-803A		5
MW-804		5
MW-805		5
TW-1		5

TABLE IV

**ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS
NOVEMBER 2024 SAMPLING EVENT**

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Selenium, Total (mg/L)		
MW-13 (upgradient)	0.002	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.05
MW-6		0.05
MW-7		0.05
MW-705		0.05
MW-706		0.05
MW-707B		0.05
MW-708		0.05
MW-801		0.05
MW-802		0.05
MW-803A		0.05
MW-804		0.05
MW-805		0.05
TW-1		0.05

Notes:

¹ Interwell background data collected from June 2016 through October 2017.

CCR = coal combustion residuals

GWPS = groundwater protection standard

MCL = maximum contaminant level

mg/L = milligrams per liter

pCi/L = picoCuries per liter

TABLE V

ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS

MAY 2025 SAMPLING EVENT

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Barium, Total (mg/L)		
MW-13 (upgradient)	1.060	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		2
MW-6		2
MW-7		2
MW-705		2
MW-706		2
MW-707B		2
MW-708		2
MW-801		2
MW-802		2
MW-803A		2
MW-804		2
MW-805		2
TW-1		2
CCR Appendix-IV: Cadmium, Total (mg/L)		
MW-13 (upgradient)	0.0015	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.005
MW-6		0.005
MW-7		0.005
MW-705		0.005
MW-706		0.005
MW-707B		0.005
MW-708		0.005
MW-801		0.005
MW-802		0.005
MW-803A		0.005
MW-804		0.005
MW-805		0.005
TW-1		0.005

TABLE V

ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS

MAY 2025 SAMPLING EVENT

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Cobalt, Total (mg/L)		
MW-13 (upgradient)	0.0020	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.006
MW-6		0.006
MW-7		0.006
MW-705		0.006
MW-706		0.006
MW-707B		0.006
MW-708		0.006
MW-801		0.006
MW-802		0.006
MW-803A		0.006
MW-804		0.006
MW-805		0.006
TW-1		0.006
CCR Appendix-IV: Fluoride, Total (mg/L)		
MW-13 (upgradient)	1.810	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		4.0
MW-6		4.0
MW-7		4.0
MW-705		4.0
MW-706		4.0
MW-707B		4.0
MW-708		4.0
MW-801		4.0
MW-802		4.0
MW-803A		4.0
MW-804		4.0
MW-805		4.0
TW-1		4.0

TABLE V

ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS

MAY 2025 SAMPLING EVENT

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Lead, Total (mg/L)		
MW-13 (upgradient)	0.005	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.015
MW-6		0.015
MW-7		0.015
MW-705		0.015
MW-706		0.015
MW-707B		0.015
MW-708		0.015
MW-801		0.015
MW-802		0.015
MW-803A		0.015
MW-804		0.015
MW-805		0.015
TW-1		0.015
CCR Appendix-IV: Lithium, Total (mg/L)		
MW-13 (upgradient)	0.278	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.278
MW-6		0.278
MW-7		0.278
MW-705		0.278
MW-706		0.278
MW-707B		0.278
MW-708		0.278
MW-801		0.278
MW-802		0.278
MW-803A		0.278
MW-804		0.278
MW-805		0.278
TW-1		0.278

TABLE V

ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS

MAY 2025 SAMPLING EVENT

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Mercury, Total (mg/L)		
MW-13 (upgradient)	0.00025	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.002
MW-6		0.002
MW-7		0.002
MW-705		0.002
MW-706		0.002
MW-707B		0.002
MW-708		0.002
MW-801		0.002
MW-802		0.002
MW-803A		0.002
MW-804		0.002
MW-805		0.002
TW-1		0.002
CCR Appendix-IV: Molybdenum, Total (mg/L)		
MW-13 (upgradient)	0.019	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		0.100
MW-6		0.100
MW-7		0.100
MW-705		0.100
MW-706		0.100
MW-707B		0.100
MW-708		0.100
MW-801		0.100
MW-802		0.100
MW-803A		0.100
MW-804		0.100
MW-805		0.100
TW-1		0.100

TABLE V

ASSESSMENT GROUNDWATER MONITORING - DETECTED APPENDIX IV GWPS

MAY 2025 SAMPLING EVENT

EVERGY METRO, INC.

LA CYGNE GENERATING STATION

LA CYGNE, KANSAS

Well Number	Background Value ¹	GWPS
CCR Appendix-IV: Radium-226 & 228 (pCi/L)		
MW-13 (upgradient)	4.480	
MW-14R (upgradient)		
MW-601 (upgradient)		
MW-602 (upgradient)		
MW-701 (upgradient)		
MW-702 (upgradient)		
MW-703 (upgradient)		
MW-704 (upgradient)		
MW-15		5
MW-6		5
MW-7		5
MW-705		5
MW-706		5
MW-707B		5
MW-708		5
MW-801		5
MW-802		5
MW-803A		5
MW-804		5
MW-805		5
TW-1		5

Notes:¹ Interwell background data collected from June 2016 through May 2025.

CCR = coal combustion residuals

GWPS = groundwater protection standard

MCL = maximum contaminant level

mg/L = milligrams per liter

pCi/L = picoCuries per liter

FIGURES

GIS FILE PATH: \\haleyaldrich.com\share\phx_common\Projects\Westar\GIS\La Cygne Generating Station\210977 000 LA CYGNE GENERATING STATION.aprx - USER: leichman - LAST SAVED: 1/22/2026 12:52 PM



LEGEND

-  Compliance well
-  CCR UNIT BOUNDARY
-  SITE BOUNDARY
-  RAILROAD

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: ESRI



0 1,000 2,000
SCALE IN FEET

**HALEY
ALDRICH**

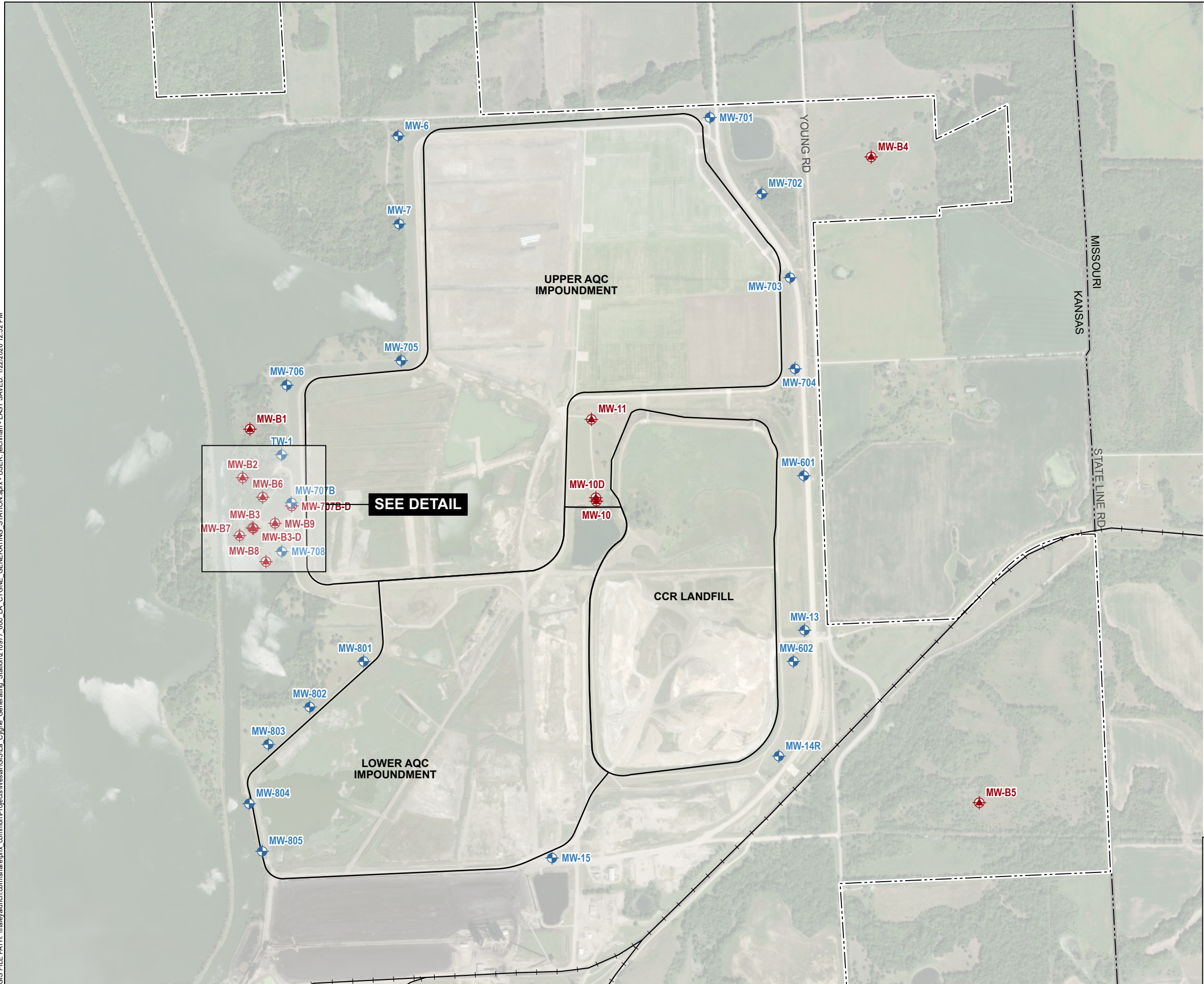
EVERGY KANSAS CENTRAL, INC.
LA CYGNE GENERATING STATION
KANSAS

**LA CYGNE CCR COMPLIANCE
MONITORING WELL LOCATION MAP**

JANUARY 2026

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\phx_common\Projects\Western\GIS\La Cygne Generating Station\210977 000 LA CYGNE GENERATING STATION.aprx - USER: leichman - LAST SAVED: 1/22/2026 12:52 PM

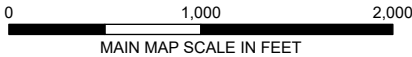


LEGEND

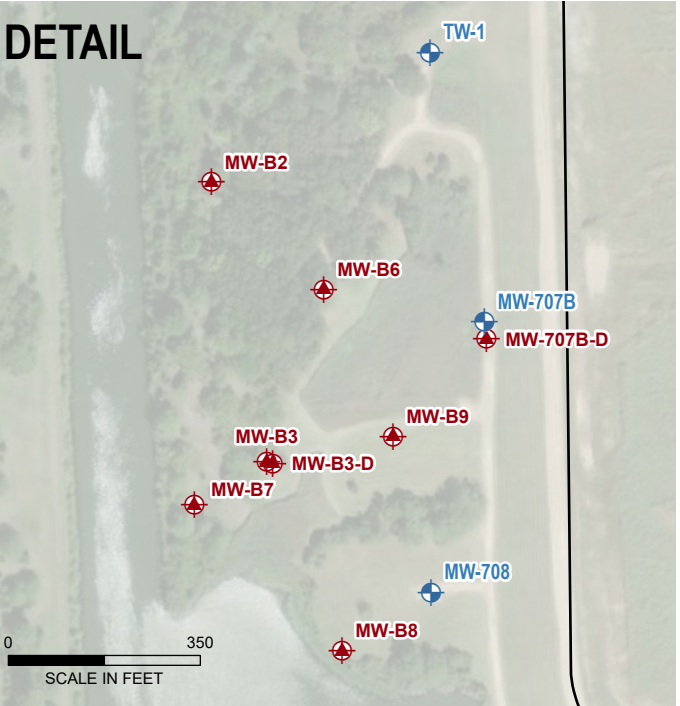
- COMPLIANCE WELL
- NATURE AND EXTENT MONITORING WELL
- RAILROAD
- CCR UNIT BOUNDARY
- SITE BOUNDARY
- STATE BOUNDARY

NOTES

- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- 2. CCR = COAL COMBUSTION RESIDUALS
- 3. AERIAL IMAGERY SOURCE: ESRI



DETAIL



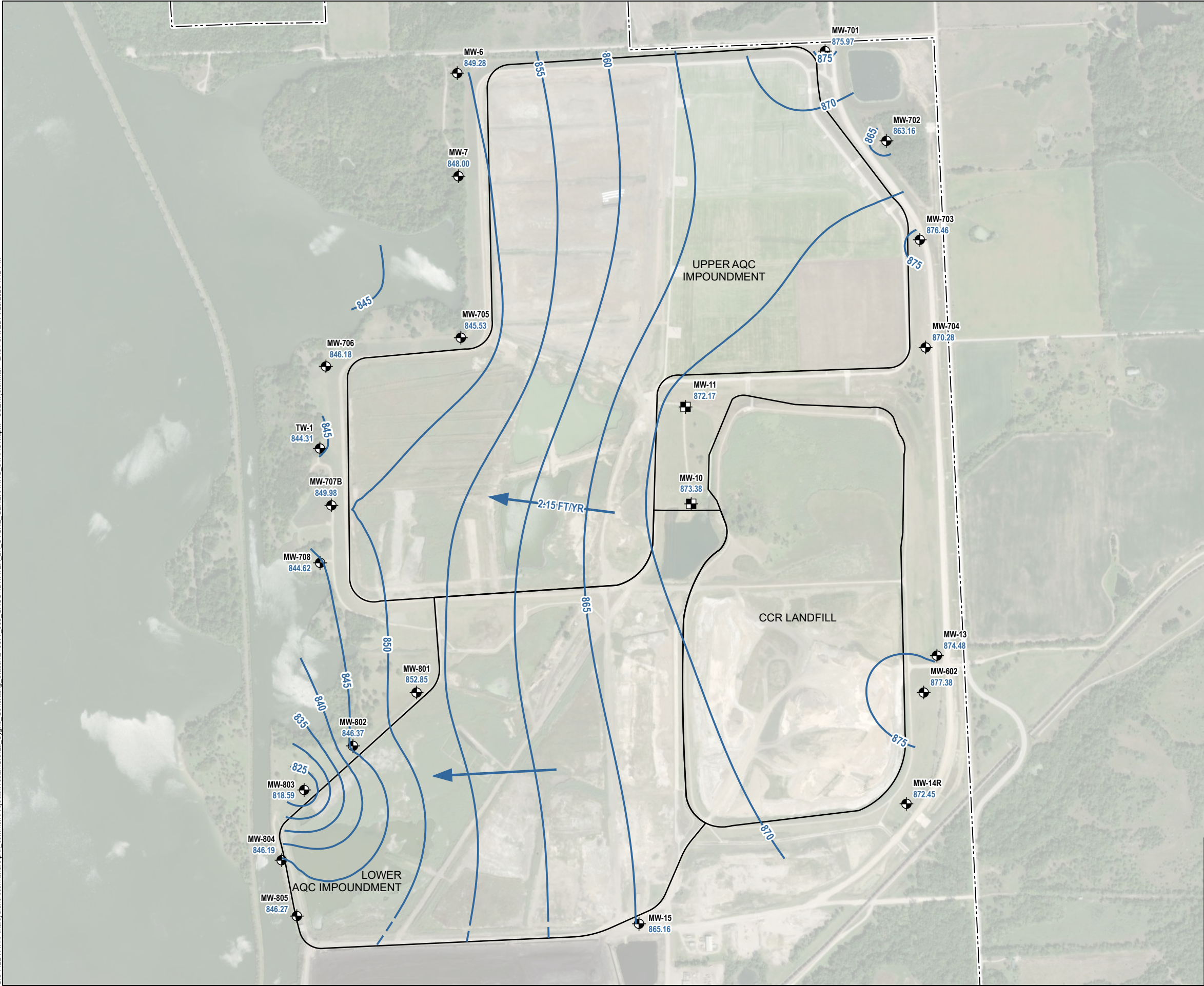
EVERGY METRO, INC.
LA CYGNE GENERATING STATION
LA, CYGNE, KANSAS

LA CYGNE NATURE AND EXTENT
MONITORING WELL LOCATION MAP

JANUARY 2026

FIGURE 2

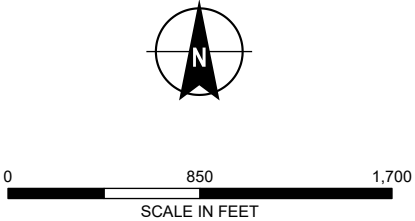
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LEGEND

- CCR UNIT BOUNDARY
- COMPLIANCE WELL
- PIEZOMETER OBSERVATION ONLY
- GROUNDWATER POTENTIOMETRIC OBSERVATION ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
- APPROXIMATE GROUNDWATER FLOW DIRECTION

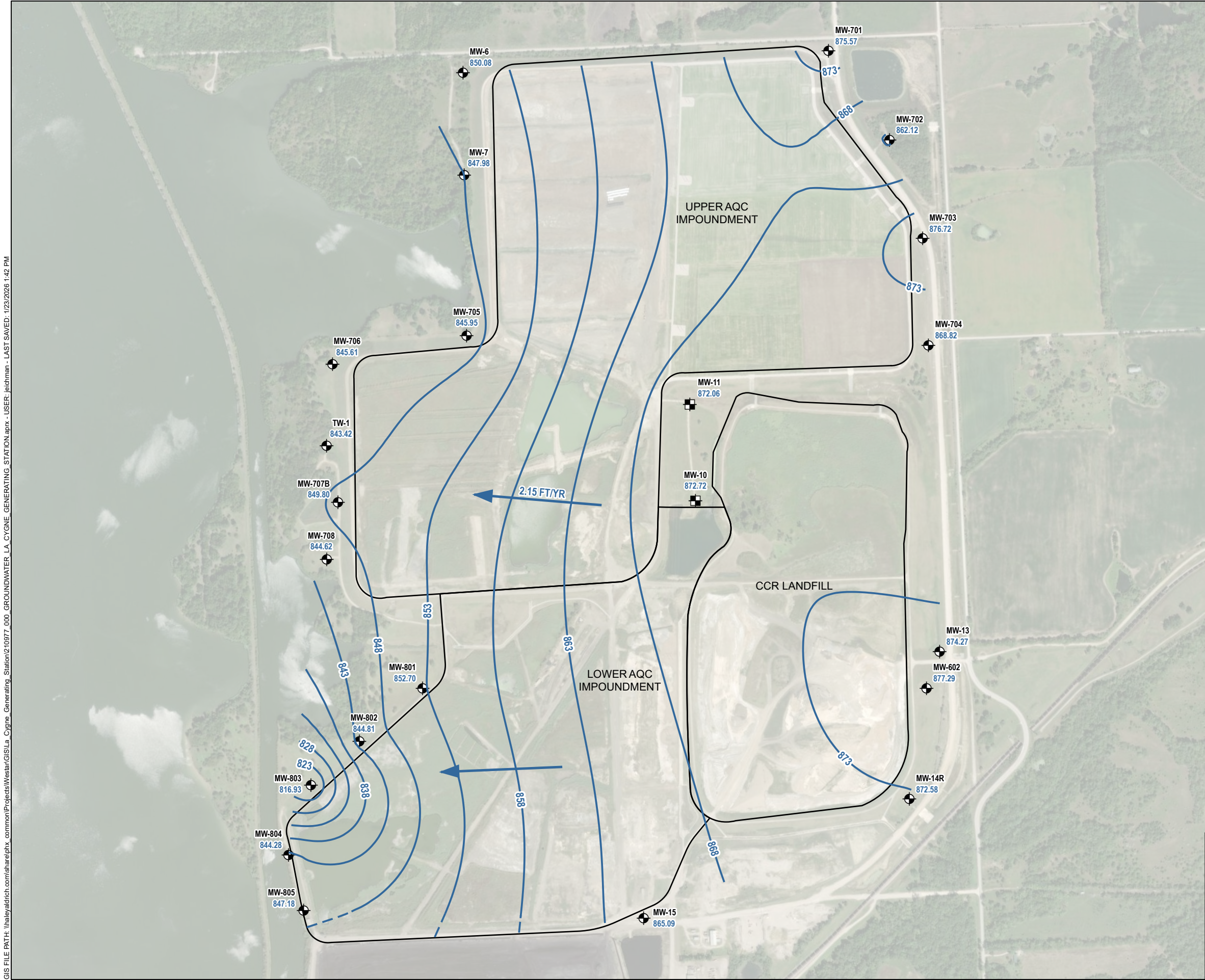
- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. GROUNDWATER POTENTIOMETRIC ELEVATIONS WERE MEASURED MARCH 12-14, 2025.
 3. GROUNDWATER ELEVATION IN **BOLD BLUE TEXT** AND IN FEET ABOVE MEAN SEA LEVEL (AMSL).
 4. THE GROUNDWATER FLOW RATE WAS APPROXIMATED USING THE HYDRAULIC GRADIENT CALCULATED FROM GROUNDWATER POTENTIOMETRIC ELEVATIONS MEASURED MARCH 12-14, 2025. THE HYDRAULIC CONDUCTIVITY VALUES COLLECTED THROUGH SLUG TESTING DURING WELL DEVELOPMENT, AND EFFECTIVE POROSITY VALUES OBTAINED FROM PUBLISH SOURCES.
 5. AERIAL IMAGERY SOURCE: ESRI



EVERGY KANSAS CENTRAL, INC.
LA CYGNE GENERATING STATION
KANSAS

LA CYGNE GROUNDWATER
POTENTIOMETRIC ELEVATION
CONTOUR MAP
MARCH 2025

GIS FILE PATH: \\haleyaldrich.com\share\pdx_common\Projects\Westar\GIS\La Cygne Generating Station\210977 000 GROUNDWATER LA CYGNE GENERATING STATION.aprx - USER jeldman - LAST SAVED: 1/23/2026 1:42 PM

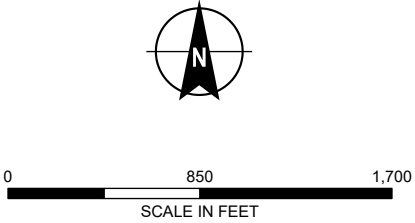


LEGEND

- COMPLIANCE WELL
- PIEZOMETER OBSERVATION ONLY
- GROUNDWATER POTENTIOMETRIC OBSERVATION ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- CCR UNIT BOUNDARY

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- GROUNDWATER POTENTIOMETRIC ELEVATIONS WERE MEASURED 12-13 MAY 2025.
- GROUNDWATER ELEVATION IN **BOLD BLUE TEXT** AND IN FEET ABOVE MEAN SEA LEVEL (AMSL).
- THE GROUNDWATER FLOW RATE WAS APPROXIMATED USING THE HYDRAULIC GRADIENT CALCULATED FROM GROUNDWATER POTENTIOMETRIC ELEVATIONS MEASURED 12-13 MAY 2025. THE HYDRAULIC CONDUCTIVITY VALUES COLLECTED THROUGH SLUG TESTING DURING WELL DEVELOPMENT, AND EFFECTIVE POROSITY VALUES OBTAINED FROM PUBLISH SOURCES.
- AERIAL IMAGERY SOURCE: ESRI



HALEY
ALDRICH

EVERGY KANSAS CENTRAL, INC.
LA CYGNE GENERATING STATION
KANSAS

LA CYGNE GROUNDWATER
POTENTIOMETRIC ELEVATION
CONTOUR MAP
MAY 12-13, 2025

JANUARY 2026

FIGURE 4

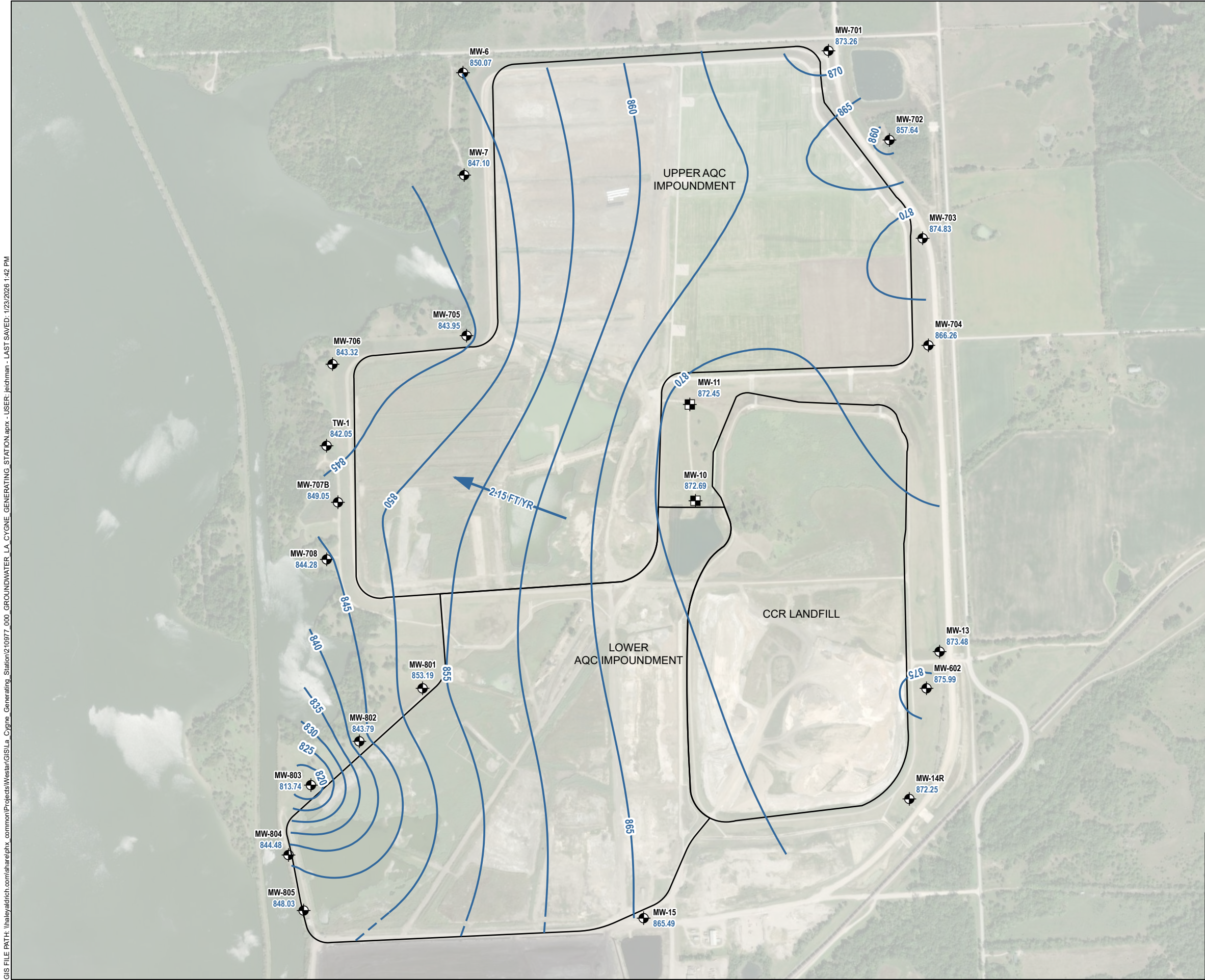
 COMPLIANCE WELL
 PIEZOMETER OBSERVATION ONLY
 GROUNDWATER POTENTIOMETRIC OBSERVATION
 ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
 APPROXIMATE GROUNDWATER FLOW DIRECTION
 CCR UNIT BOUNDARY

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. GROUNDWATER LEVEL ELEVATION DATA FROM MW-702 AND MW-704 WERE NOT USED FOR GROUNDWATER CONTOUR DEVELOPMENT DUE TO ANOMALOUS MEASUREMENTS COMPARED TO HISTORIC RECORDS.
3. GROUNDWATER POTENTIOMETRIC ELEVATIONS WERE MEASURED 17-20 JUNE 2025.
4. GROUNDWATER ELEVATION IN **BOLD BLUE TEXT** AND IN FEET ABOVE MEAN SEA LEVEL (AMSL).
5. THE GROUNDWATER FLOW RATE WAS APPROXIMATED USING THE HYDRAULIC GRADIENT CALCULATED FROM GROUNDWATER POTENTIOMETRIC ELEVATIONS MEASURED 17-20 JUNE 2025. THE HYDRAULIC CONDUCTIVITY VALUES COLLECTED THROUGH SLUG TESTING DURING WELL DEVELOPMENT, AND EFFECTIVE POROSITY VALUES OBTAINED FROM PUBLISH SOURCES.
6. AERIAL IMAGERY SOURCE: ESRI



FIGURE 5

GIS FILE PATH: \\haleyaldrich.com\share\phx_common\Projects\Westar\GIS\La Cygne Generating Station\210977 000 GROUNDWATER LA CYGNE GENERATING STATION.aprx - USER jeldman - LAST SAVED: 1/23/2026 1:42 PM

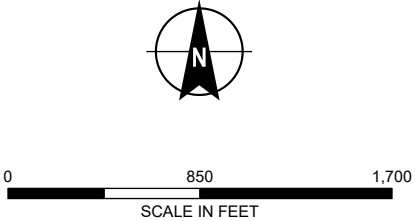


LEGEND

- CCR UNIT BOUNDARY
- COMPLIANCE WELL
- PIEZOMETER OBSERVATION ONLY
- GROUNDWATER POTENTIOMETRIC OBSERVATION ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- GROUNDWATER POTENTIOMETRIC ELEVATIONS WERE MEASURED SEPTEMBER 3-4, 2025.
- GROUNDWATER ELEVATION IN **BOLD BLUE TEXT** AND IN FEET ABOVE MEAN SEA LEVEL (AMSL).
- THE GROUNDWATER FLOW RATE WAS APPROXIMATED USING THE HYDRAULIC GRADIENT CALCULATED FROM GROUNDWATER POTENTIOMETRIC ELEVATIONS MEASURED SEPTEMBER 3-4, 2025. THE HYDRAULIC CONDUCTIVITY VALUES COLLECTED THROUGH SLUG TESTING DURING WELL DEVELOPMENT, AND EFFECTIVE POROSITY VALUES OBTAINED FROM PUBLISH SOURCES.
- AERIAL IMAGERY SOURCE: ESRI



HALEY
ALDRICH

EVERGY KANSAS CENTRAL, INC.
LA CYGNE GENERATING STATION
KANSAS

LA CYGNE GROUNDWATER
POTENTIOMETRIC ELEVATION
CONTOUR MAP
SEPTEMBER 3-4, 2025

JANUARY 2026

FIGURE 6

ATTACHMENT 1
Statistical Analyses

ATTACHMENT 1-1
November 2024 Semiannual Groundwater Assessment
Monitoring Data Statistical Evaluation



HALEY & ALDRICH, INC.
6500 Rockside Road
Suite 200
Cleveland, OH 44131
216.739.0555

TECHNICAL MEMORANDUM

September 24, 2025
File No. 0210977-003

TO: Evergy Metro, Inc.
Jared Morrison – Director, Water and Waste Programs

FROM: Haley & Aldrich, Inc.
Steven F. Putrich, P.E., Principal Consultant – Engineering Principal
Mark Nicholls, P.G., Principal Consultant – Hydrogeologist

SUBJECT: November 2024 Semiannual Groundwater Assessment Monitoring Data
Statistical Evaluation – Addendum
La Cygne Generating Station
CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment
Multi-Unit Groundwater Monitoring System

On behalf of Evergy Metro, Inc. (Evergy), pursuant to Title 40 of the Code of Federal Regulations (40 CFR) §§ 257.93 and 257.95 of the U.S. Environmental Protection Agency (USEPA) Federal Coal Combustion Residuals (CCR) Rule effective October 19, 2015, including subsequent revisions, Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this **addendum** to the statistical evaluation¹ of the analytical results for the **November 2024** semiannual assessment monitoring groundwater sampling event for the La Cygne Generating Station CCR Landfill, Lower Air Quality Control (AQC) Impoundment, and Upper AQC Impoundment (collectively, the CCR System).

The statistical evaluation discussed in this addendum was conducted to confirm that select Appendix IV groundwater monitoring constituents (cobalt and lithium) have been detected in downgradient wells at concentrations that represent an SSL above the GWPS consistent with the requirements of the CCR Rule. GWPS values for each of the Appendix IV constituents have been set equal to the highest value of the maximum contaminant level, regional screening levels as provided in 40 CFR § 257.95(h)(2), or site-specific background concentrations.

¹ SCS Engineers, 2025. *Determination of Statistically Significant Increases/Levels – CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment, Multi-Unit Groundwater Monitoring System, Spring Semiannual Assessment Monitoring 40 CFR 257.95*. April 10.

A previously reported SSL for cobalt could not be confirmed by subsequent statistical analyses. When the lower confidence limit (LCL) is applied, the results of the statistical analyses completed by Haley & Aldrich for the November 2024 assessment monitoring sampling event data for each analyte/well combination indicate an SSL for cobalt at MW-707B was not confirmed. An SSL was identified for lithium at MW-707B above GWPS.

Statistical Evaluation of Select Appendix IV Constituents

The CCR Rule provides four specific options for statistical evaluation of groundwater quality data collected at a CCR unit (40 CFR § 257.93(f)(1-4)). The statistical method used for these evaluations (tolerance limit [TL]) was certified by SCS Engineers on October 27, 2023.² The TL method, as determined applicable for this sampling event, was used to evaluate potential SSLs above background. Background levels for each constituent listed in Appendix IV were computed as upper tolerance limits (UTLs), with a minimum 95 percent confidence coefficient and 95 percent coverage.

STATISTICAL EVALUATION

An interwell evaluation method was used to determine SSLs based on the documented groundwater quality variability at each well. Interwell evaluation compares the most recent values (November 2024) from downgradient compliance wells against a background dataset composed of upgradient well data. Because the CCR unit has transitioned into assessment monitoring, no statistical evaluations were conducted on Appendix III (detection monitoring) semiannual assessment monitoring data.

The TL method was used to complete statistical evaluations of the referenced dataset. The TL procedure is one in which a concentration limit for each constituent is established from the distribution of the background data, with a minimum 95 percent confidence level. The upper endpoint of a tolerance interval is called the UTL. Depending on the data distribution, parametric or non-parametric TL procedures are used to evaluate groundwater monitoring data using this method. Parametric TLs utilize normally distributed data or normalized data via a transformation of the sample background data used to construct the limit. If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the TL. If all the background data are non-detect, a maximum reporting limit may serve as an appropriate UTL.

These statistical evaluations were conducted using a background dataset for cobalt and lithium to establish non-parametric TLs. In general accordance with *Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities* dated March 2009 (USEPA, 2009³), if an Appendix IV constituent concentration from the **November 2024** sampling event was above the GWPS, the LCL for the downgradient well constituent will be used to evaluate if a SSL is present. The LCL is the lower end

² SCS Engineers, 2023. *Certification of Statistical Methods – 40 CFR 257.93(f)(6), CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment*. October.

³ USEPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities (Unified Guidance)*. EPA 530/R-09-007. March.

of the confidence interval range, which is an estimated concentration range intended to contain the true mean or median of the population from which the sample is drawn. The confidence interval range is designed to locate the true population mean or median with a high degree of statistical confidence, or conversely, with a low probability of error.

The UTLs were calculated from the background wells dataset using Chemstat software after testing for outlier sample results that would warrant removal from the dataset based on likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat and ProUCL 5.1 (USEPA, 2016⁴) software, and a visual inspection of the data was performed using box plots and distribution plots for the downgradient sample data. No cobalt or lithium sample data were identified as outliers that warranted removal from the dataset.

BACKGROUND DISTRIBUTIONS

The groundwater analytical results for each sampling event from the background sample locations⁵ were combined to calculate the UTL for cobalt and lithium. The variability and distribution of the pooled dataset were evaluated to determine the method for UTL calculation. In accordance with the Unified Guidance, background concentrations were updated based on statistical evaluation of analytical results collected through **October 2017**.

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

Sample concentrations for cobalt and lithium from the downgradient wells from the **November 2024** semiannual assessment monitoring event were compared to their respective background UTLs and GWPSs (Table I). A sample concentration greater than the background UTL is considered to represent a SSL. A sample concentration greater than the GWPS is considered to represent a potential SSL. As discussed in the statistical evaluation in this addendum, if a concentration is detected above the GWPS, the LCL for the downgradient well constituent was to be used to evaluate and confirm that an SSL is present. The LCL was utilized for the evaluation of potential cobalt and lithium SSLs at downgradient monitoring well MW-707B. The results of the groundwater assessment monitoring statistical evaluation for cobalt and lithium are provided in Table I. **Based on this statistical evaluation of groundwater sampling data collected in November 2024, the lithium SSL above GWPS for the La Cygne Generating Station CCR System was identified and the SSL for cobalt was dismissed. The SSLs are listed in Table II.**

Attachments:

Table I – Summary of Semiannual Assessment Groundwater Monitoring Statistical Evaluation

Table II – Statistically Significant Levels of Appendix IV Constituents

⁴ USEPA, 2016. ProUCL 5.1 Software. June.

⁵ Monitoring Wells MW-13, MW-14R, MW-601, MW-602, MW-701, MW0702, MW-703, and MW-704.

TABLES

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Arsenic, Total (mg/L)																					
MW-13 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.01	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0020	0.0030			0.010	
MW-14R (upgradient)	1/13	92%	0.002-0.002	0.000329	2.148E-07	0.0004635	0.2476	0.01	mg/L	0	0	No	No	NA		<0.0020					
MW-601 (upgradient)	1/13	92%	0.002-0.002	0.000215	2.451E-07	0.0004951	0.2658	0.01	mg/L	0	0	No	No	NA		<0.0020					
MW-602 (upgradient)	1/13	92%	0.002-0.002	0.000194	2.509E-07	0.0005009	0.2691	0.01	mg/L	0	0	No	No	NA		<0.0020					
MW-701 (upgradient)	1/13	92%	0.002-0.002	0.000744	1.213E-07	0.0003484	0.183	0.01	mg/L	0	0	No	No	NA		<0.0020					
MW-702 (upgradient)	1/13	92%	0.002-0.002	0.00082	1.071E-07	0.0003273	0.1714	0.01	mg/L	0	0	No	No	NA		<0.0020					
MW-703 (upgradient)	2/13	85%	0.002-0.002	0.00301	2.951E-07	0.0005432	0.2779	0.01	mg/L	0	0	Yes	No	NA		<0.0020					
MW-704 (upgradient)	3/13	77%	0.002-0.002	0.00301	3.182E-07	0.0005641	0.289	0.01	mg/L	0	0	Yes	No	NA		<0.0020					
MW-15	1/13	92%	0.002-0.002	0.00024	2.383E-07	0.0004881	0.2618	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-6	10/13	23%	0.002-0.002	0.00721	3.236E-06	0.001799	0.4515	0.01	mg/L	0	0	No	No	Stable		0.0035		Yes		No	
MW-7	9/13	31%	0.002-0.002	0.00393	4.309E-07	0.0006564	0.2691	0.01	mg/L	0	0	No	No	Stable		0.0024		No		No	
MW-705	0/13	100%	0.002-0.002		0	0	0	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-706	1/13	92%	0.002-0.002	0.000611	1.484E-07	0.0003852	0.2035	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-707B	2/13	85%	0.002-0.002	0.00584	1.406E-06	0.001186	0.5455	0.01	mg/L	0	0	Yes	No	NA		<0.0020		No		No	
MW-708	0/13	100%	0.002-0.002		0	0	0	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-801	1/13	92%	0.002-0.002	0.000488	1.759E-07	0.0004194	0.2226	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-802	1/13	92%	0.002-0.002	0.00242	1.357E-08	0.0001165	0.05732	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-803A	1/13	92%	0.002-0.002	0.000329	2.148E-07	0.0004635	0.2476	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-804	1/13	92%	0.002-0.002	0.000452	1.843E-07	0.0004293	0.2283	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-805	2/13	85%	0.002-0.002	0.00267	2.462E-07	0.0004962	0.2573	0.01	mg/L	0	0	Yes	No	NA		<0.0020		No		No	
MW-TW1	1/13	92%	0.002-0.002	0.000366	2.054E-07	0.0004532	0.2418	0.01	mg/L	0	0	No	No	NA		<0.0020		No		No	
CCR Appendix-IV: Barium, Total (mg/L)																					
MW-13 (upgradient)	13/13	0%	-	0.036	0.00003025	0.0055	0.2891	2	mg/L	0	0	Yes	No	Stable	Non-parametric	0.017	0.408			2	
MW-14R (upgradient)	13/13	0%	-	0.0448	5.696E-06	0.002387	0.05921	2	mg/L	0	0	No	No	Stable		0.038					
MW-601 (upgradient)	13/13	0%	-	0.136	0.000037	0.006083	0.04752	2	mg/L	0	0	No	No	Stable		0.130					
MW-602 (upgradient)	13/13	0%	-	0.105	0.000026	0.005099	0.05303	2	mg/L	0	0	No	No	Stable		0.098					
MW-701 (upgradient)	14/14	0%	-	1.06	0.05565	0.2359	0.9688	2	mg/L	0	0	Yes	No	Increase		0.189					
MW-702 (upgradient)	13/13	0%	-	0.59	0.01956	0.1399	0.3841	2	mg/L	0	0	No	No	Increase		0.551					
MW-703 (upgradient)	13/13	0%	-	0.299	0.0002524	0.01589	0.05808	2	mg/L	0	0	No	No	Stable		0.295					
MW-704 (upgradient)	13/13	0%	-	0.113	0.000279	0.0167	0.2118	2	mg/L	0	0	No	No	Decrease		0.054					
MW-15	13/13	0%	-	0.0556	0.00002376	0.004875	0.1003	2	mg/L	0	0	No	No	Stable		0.041		No		No	
MW-6	13/13	0%	-	0.204	0.0004151	0.02038	0.1234	2	mg/L	0	0	No	No	Stable		0.166		No		No	
MW-7	13/13	0%	-	0.611	0.001644	0.04055	0.07668	2	mg/L	0	0	No	No	Stable		0.554		Yes		No	
MW-705	13/13	0%	-	0.0938	7.539E-06	0.002746	0.03068	2	mg/L	0	0	No	No	Stable		0.091		No		No	
MW-706	4/13	69%	0.002-0.002	0.199	0.008643	0.09297	1.511	2	mg/L	0	0	No	No	Increase		0.197		No		No	
MW-707B	12/13	8%	0.005-0.005	0.0347	0.00006195	0.007871	0.3963	2	mg/L	0	0	No	No	Stable		0.019		No		No	
MW-708	13/13	0%	-	0.277	0.0004536	0.0213	0.0888	2	mg/L	0	0	No	No	Stable		0.268		No		No	
MW-801	13/13	0%	-	0.638	0.002008	0.04482	0.08001	2	mg/L	0	0	No	No	Decrease		0.507		Yes		No	
MW-802	13/13	0%	-	0.981	0.03448	0.1857	0.2188	2	mg/L	0	0	Yes	No	Increase		0.949		Yes		No	
MW-803A	13/13	0%	-	0.244	0.0003061	0.0175	0.0771	2	mg/L	0	0	Yes	No	Stable		0.240		No		No	
MW-804	13/13	0%	-	0.191	0.0002029	0.01424	0.09208	2	mg/L	0	0	Yes	No	Stable		0.191		No		No	
MW-805	13/13	0%	-	0.0471	0.00001909	0.00437	0.1227	2	mg/L	0	0	Yes	No	Decrease		0.032		No		No	
MW-TW1	13/13	0%	-	0.0829	0.00005174	0.007193	0.1029	2	mg/L	0	0	No	No	Stable		0.062		No		No	

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Cadmium, Total (mg/L)																					
MW-13 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0010	0.0010			0.005	
MW-14R (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-601 (upgradient)	1/13	92%	0.001-0.001	0.00146	1.628E-08	0.0001276	0.1232	0.005	mg/L	0	0	No	No	NA		<0.0010					
MW-602 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-701 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-702 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-703 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-704 (upgradient)	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-15	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					
MW-6	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-7	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-705	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-706	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-707B	1/13	92%	0.001-0.001	0.000294	3.834E-08	0.0001958	0.2071	0.005	mg/L	0	0	No	No	NA		<0.0010					No
MW-708	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-801	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-802	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-803A	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-804	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-805	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
MW-TW1	0/13	100%	0.001-0.001		0	0	0	0.005	mg/L	0	0	NA	NA	NA		<0.0010					No
CCR Appendix-IV: Chromium, Total (mg/L)																					
MW-13 (upgradient)	1/13	92%	0.002-0.01	0.00327	0.00001437	0.003791	0.8315	0.1	mg/L	0	0	No	No	NA	Non-parametric	<0.010	0.0033			0.1	
MW-14R (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA		<0.010					
MW-601 (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA		<0.010					
MW-602 (upgradient)	1/13	92%	0.002-0.01	0.00176	0.00001239	0.003519	0.9194	0.1	mg/L	0	0	No	No	NA		<0.010					
MW-701 (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA		<0.010					
MW-702 (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA		<0.010					
MW-703 (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA		<0.010					
MW-704 (upgradient)	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		<0.010	Yes			No
MW-15	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-6	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-7	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-705	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-706	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-707B	5/13	62%	0.002-0.01	0.00684	0.00001197	0.003459	0.7922	0.1	mg/L	0	0	No	No	Stable	<0.010		No				
MW-708	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-801	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-802	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-803A	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-804	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				
MW-805	2/13	85%	0.002-0.01	0.00284	0.00001202	0.003467	0.8814	0.1	mg/L	0	0	No	No	NA	<0.010		No				
MW-TW1	0/13	100%	0.002-0.01		0.00001477	0.003843	0.8614	0.1	mg/L	0	0	NA	NA	NA	<0.010		No				

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard		
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL	
CCR Appendix-IV: Cobalt, Total (mg/L)																						
MW-13 (upgradient)	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA	Non-parametric	<0.0020	0.0020			0.006		
MW-14R (upgradient)	1/13	92%	0.002-0.01	0.0000814	5.403E-06	0.002324	0.9419	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-601 (upgradient)	1/13	92%	0.002-0.01	0.00021	5.353E-06	0.002314	0.9338	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-602 (upgradient)	1/13	92%	0.002-0.01	0.000227	5.347E-06	0.002312	0.9328	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-701 (upgradient)	1/13	92%	0.002-0.01	0.000147	5.377E-06	0.002319	0.9377	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-702 (upgradient)	1/13	92%	0.002-0.01	0.0000889	0.0000054	0.002324	0.9414	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-703 (upgradient)	1/13	92%	0.002-0.01	0.0000658	5.409E-06	0.002326	0.9429	0.006	mg/L	0	1	Yes	No	NA		<0.0020						
MW-704 (upgradient)	1/13	92%	0.002-0.01	0.00017	5.368E-06	0.002317	0.9363	0.006	mg/L	0	1	Yes	No	NA		<0.0020		No			No	
MW-15	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020						
MW-6	1/13	92%	0.002-0.01	0.000111	5.391E-06	0.002322	0.94	0.006	mg/L	0	1	Yes	No	NA		<0.0020		No			No	
MW-7	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
MW-705	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
MW-706	1/13	92%	0.002-0.01	0.000118	5.389E-06	0.002321	0.9396	0.006	mg/L	0	1	Yes	No	NA		<0.0020		No	0.005		No	
MW-707B	13/13	0%	-	0.0234	0.00003256	0.005706	0.7146	0.006	mg/L	5	0	Yes	No	Stable		0.0081		Yes			No	
MW-708	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
MW-801	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
MW-802	1/13	92%	0.002-0.01	0.0000905	5.399E-06	0.002324	0.9413	0.006	mg/L	0	1	Yes	No	NA		<0.0020		No			No	
MW-803A	1/13	92%	0.002-0.01	0.000109	5.392E-06	0.002322	0.9401	0.006	mg/L	0	1	Yes	No	NA		<0.0020		No			No	
MW-804	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
MW-805	4/13	69%	0.002-0.01	0.0079	7.317E-06	0.002705	0.8534	0.006	mg/L	1	1	Yes	No	NA		<0.0020		No			Yes	
MW-TW1	0/13	100%	0.002-0.01		4.923E-06	0.002219	0.8484	0.006	mg/L	0	1	NA	NA	NA		<0.0020		No			No	
CCR Appendix-IV: Fluoride (mg/L)																						
MW-13 (upgradient)	26/27	4%	0.64-0.64	0.227	0.008908	0.09438	0.5098	4	mg/L	0	0	Yes	No	Stable	Non-parametric	0.214	1.810			4.0		
MW-14R (upgradient)	29/29	0%	-	0.402	0.003819	0.0618	0.2124	4	mg/L	0	0	No	No	Increase		0.402						
MW-601 (upgradient)	24/24	0%	-	1.81	0.1184	0.3441	0.2192	4	mg/L	0	0	Yes	No	Stable		1.78						
MW-602 (upgradient)	24/24	0%	-	1.36	0.00885	0.09407	0.07855	4	mg/L	0	0	No	No	Stable		1.29						
MW-701 (upgradient)	24/24	0%	-	0.857	0.007366	0.08583	0.1265	4	mg/L	0	0	No	No	Decrease		0.651						
MW-702 (upgradient)	25/25	0%	-	1.63	0.02445	0.1564	0.1138	4	mg/L	0	0	No	No	Stable		1.55						
MW-703 (upgradient)	25/25	0%	-	1.61	0.01422	0.1193	0.08455	4	mg/L	0	0	No	No	Decrease		1.15						
MW-704 (upgradient)	24/24	0%	-	0.968	0.004789	0.06921	0.08083	4	mg/L	0	0	No	No	Stable		0.968		No			No	
MW-15	25/25	0%	-	0.314	0.0008348	0.02889	0.11	4	mg/L	0	0	No	No	Increase		0.314						
MW-6	24/24	0%	-	1.75	0.06565	0.2562	0.4363	4	mg/L	0	0	Yes	No	Increase		0.678						
MW-7	24/24	0%	-	1.37	0.006274	0.07921	0.06386	4	mg/L	0	0	No	No	Stable		1.330						
MW-705	24/24	0%	-	1.11	0.006141	0.07836	0.08026	4	mg/L	0	0	No	No	Stable		1.110						
MW-706	24/24	0%	-	1.25	0.009909	0.09954	0.09118	4	mg/L	0	0	No	No	Decrease		1.140						
MW-707B	24/26	8%	1.5-1.5	1.31	0.1357	0.3684	0.7775	4	mg/L	0	0	Yes	No	Stable		0.486						
MW-708	24/24	0%	-	0.754	0.00438	0.06618	0.1075	4	mg/L	0	0	No	No	Stable		0.754						
MW-801	24/24	0%	-	1.19	0.005074	0.07123	0.06677	4	mg/L	0	0	No	No	Stable		1.130						
MW-802	25/25	0%	-	1.12	0.004909	0.07006	0.07078	4	mg/L	0	0	No	No	Stable		1.080						
MW-803A	26/26	0%	-	1.1	0.01162	0.1078	0.1665	4	mg/L	0	0	Yes	No	Stable		0.730						
MW-804	25/25	0%	-	0.564	0.002084	0.04565	0.1004	4	mg/L	0	0	Yes	No	Stable		0.564						
MW-805	23/24	4%	0.1-0.1	0.214	0.0009274	0.03045	0.1926	4	mg/L	0	0	No	No	Stable		0.205						
MW-TW1	24/24	0%	-	0.463	0.00126	0.0355	0.08897	4	mg/L	0	0	No	No	Decrease		0.365						

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Lead, Total (mg/L)																					
MW-13 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0020	0.0021			0.015	
MW-14R (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA		<0.0020					
MW-601 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA		<0.0020					
MW-602 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA		<0.0020					
MW-701 (upgradient)	1/13	92%	0.002-0.005	0.00209	6.895E-07	0.0008303	0.3711	0.015	mg/L	0	0	Yes	No	NA		<0.0020					
MW-702 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA		<0.0020					
MW-703 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA		<0.0020					
MW-704 (upgradient)	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						
MW-15	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-6	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-7	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-705	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-706	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-707B	2/13	85%	0.002-0.005	0.00333	7.746E-07	0.0008801	0.3691	0.015	mg/L	0	0	Yes	No	NA	<0.0020						No
MW-708	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-801	6/13	54%	0.002-0.002	0.00779	4.094E-06	0.002023	0.676	0.015	mg/L	0	0	Yes	No	Stable	<0.0020						No
MW-802	2/13	85%	0.002-0.005	0.00331	7.685E-07	0.0008766	0.3687	0.015	mg/L	0	0	Yes	No	NA	0.0026						Yes
MW-803A	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-804	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-805	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
MW-TW1	0/13	100%	0.002-0.005		6.923E-07	0.0008321	0.373	0.015	mg/L	0	0	NA	NA	NA	<0.0020						No
CCR Appendix-IV: Lithium, Total (mg/L)																					
MW-13 (upgradient)	13/13	0%	-	0.0644	0.00001789	0.004229	0.07512	0.04	mg/L	13	0	No	No	Stable	Non-parametric	0.053	0.278			0.278	
MW-14R (upgradient)	13/13	0%	-	0.0458	0.00001619	0.004023	0.1017	0.04	mg/L	6	0	No	No	Stable		0.040					
MW-601 (upgradient)	13/13	0%	-	0.083	0.00003497	0.005913	0.08158	0.04	mg/L	13	0	No	No	Stable		0.065					
MW-602 (upgradient)	13/13	0%	-	0.0662	0.00002175	0.004664	0.07843	0.04	mg/L	13	0	No	No	Stable		0.054					
MW-701 (upgradient)	13/13	0%	-	0.0451	0.00001324	0.003639	0.09115	0.04	mg/L	7	0	No	No	Increase		0.042					
MW-702 (upgradient)	13/13	0%	-	0.278	0.00619	0.07867	0.6392	0.04	mg/L	13	0	No	No	Decrease		0.057					
MW-703 (upgradient)	13/13	0%	-	0.0742	0.00004122	0.00642	0.09898	0.04	mg/L	13	0	No	No	Decrease		0.052					
MW-704 (upgradient)	13/13	0%	-	0.109	0.00003978	0.006307	0.06376	0.04	mg/L	13	0	No	No	Stable	0.096						
MW-15	12/13	8%	0.015-0.015	0.0271	0.00001171	0.003422	0.1475	0.04	mg/L	0	0	No	No	Stable	0.021						No
MW-6	13/13	0%	-	0.0634	0.00003929	0.006268	0.1254	0.04	mg/L	13	0	No	No	Decrease	0.041						No
MW-7	13/13	0%	-	0.0867	0.00003148	0.005611	0.0741	0.04	mg/L	13	0	No	No	Stable	0.069						No
MW-705	13/13	0%	-	0.134	0.00005806	0.00762	0.06262	0.04	mg/L	13	0	No	No	Stable	0.115						No
MW-706	13/13	0%	-	0.152	0.0001187	0.0109	0.0803	0.04	mg/L	13	0	No	No	Stable	0.124						No
MW-707B	13/13	0%	-	1.29	0.06717	0.2592	0.2835	0.04	mg/L	13	0	No	No	Increase	1.250						Yes
MW-708	13/13	0%	-	0.0843	0.00002933	0.005416	0.07102	0.04	mg/L	13	0	No	No	Stable	0.075						No
MW-801	13/13	0%	-	0.119	0.0001175	0.01084	0.1085	0.04	mg/L	13	0	No	No	Decrease	0.086						No
MW-802	13/13	0%	-	0.105	0.00003393	0.005825	0.06335	0.04	mg/L	13	0	No	No	Stable	0.086						No
MW-803A	13/13	0%	-	0.0968	0.0001755	0.01325	0.1782	0.04	mg/L	13	0	No	No	Stable	0.061						No
MW-804	13/13	0%	-	0.0453	0.00000869	0.002948	0.07257	0.04	mg/L	8	0	No	No	Stable	0.037						No
MW-805	11/13	15%	0.015-0.015	0.053	0.00009547	0.009771	0.4065	0.04	mg/L	1	0	Yes	No	Stable	0.019						No
MW-TW1	13/13	0%	-	0.155	0.00008691	0.009323	0.06663	0.04	mg/L	13	0	No	No	Stable	0.137						No

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Molybdenum, Total (mg/L)																					
MW-13 (upgradient)	0/13	100%	0.005-0.005		1.807E-20	1.344E-10	2.688E-08	0.1	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0050	0.019			0.100	
MW-14R (upgradient)	1/13	92%	0.005-0.005	0.00191	7.345E-07	0.000857	0.18	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-601 (upgradient)	1/13	92%	0.005-0.005	0.002	6.923E-07	0.0008321	0.1745	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-602 (upgradient)	1/13	92%	0.005-0.005	0.00181	7.828E-07	0.0008847	0.1861	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-701 (upgradient)	2/13	85%	0.005-0.005	0.00519	4.082E-07	0.0006389	0.132	0.1	mg/L	0	0	Yes	No	NA		<0.0050					
MW-702 (upgradient)	1/13	92%	0.005-0.005	0.00135	1.025E-06	0.001012	0.2145	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-703 (upgradient)	0/13	100%	0.005-0.005		1.807E-20	1.344E-10	2.688E-08	0.1	mg/L	0	0	NA	NA	NA		<0.0050					
MW-704 (upgradient)	11/13	15%	0.005-0.005	0.0191	0.00001864	0.004318	0.4484	0.1	mg/L	0	0	No	No	Decrease		<0.0050		No		No	
MW-15	2/13	85%	0.005-0.005	0.00876	0.00000224	0.001497	0.2985	0.1	mg/L	0	0	Yes	No	NA		<0.0050					
MW-6	1/13	92%	0.005-0.005	0.00272	3.999E-07	0.0006324	0.1311	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-7	1/13	92%	0.005-0.005	0.0019	7.392E-07	0.0008598	0.1806	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-705	0/13	100%	0.005-0.005		1.807E-20	1.344E-10	2.688E-08	0.1	mg/L	0	0	NA	NA	NA		<0.0050					
MW-706	1/13	92%	0.005-0.005	0.00179	7.926E-07	0.0008903	0.1873	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-707B	1/13	92%	0.005-0.005	0.00593	6.653E-08	0.0002579	0.05086	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-708	0/13	100%	0.005-0.005		1.807E-20	1.344E-10	2.688E-08	0.1	mg/L	0	0	NA	NA	NA		<0.0050					
MW-801	2/13	85%	0.005-0.005	0.00702	3.123E-07	0.0005588	0.1083	0.1	mg/L	0	0	Yes	No	NA		<0.0050					
MW-802	0/13	100%	0.005-0.005		1.807E-20	1.344E-10	2.688E-08	0.1	mg/L	0	0	NA	NA	NA		<0.0050					
MW-803A	5/13	62%	0.005-0.005	0.00593	1.258E-07	0.0003547	0.06825	0.1	mg/L	0	0	No	No	Stable		<0.0050					
MW-804	1/13	92%	0.005-0.005	0.00162	8.788E-07	0.0009374	0.1978	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-805	1/13	92%	0.005-0.005	0.0024	0.00000052	0.0007211	0.1502	0.1	mg/L	0	0	No	No	NA		<0.0050					
MW-TW1	1/13	92%	0.005-0.005	0.00147	9.585E-07	0.000979	0.2071	0.1	mg/L	0	0	No	No	NA		<0.0050					
CCR Appendix-IV: Radium-226 & 228 (pCi/L)																					
MW-13 (upgradient)	11/12	8%	-	2.25	0.3976	0.6306	1.037	5	pCi/L	0	0	Yes	No	Stable	Non-parametric	NS	4.48			5	
MW-14R (upgradient)	13/13	0%	-	1.54	0.1483	0.385	0.4107	5	pCi/L	0	0	No	No	Stable		0.735					
MW-601 (upgradient)	13/13	0%	-	0.967	0.07723	0.2779	0.521	5	pCi/L	0	0	No	No	Stable		0.522					
MW-602 (upgradient)	12/13	8%	-	1.77	0.3301	0.5746	1.008	5	pCi/L	0	0	No	No	Stable		0.146					
MW-701 (upgradient)	13/13	0%	-	2.29	0.4883	0.6988	0.6625	5	pCi/L	0	0	No	No	Increase		1.27					
MW-702 (upgradient)	13/13	0%	-	2.73	0.3951	0.6286	0.595	5	pCi/L	0	0	Yes	No	Stable		0.941					
MW-703 (upgradient)	13/13	0%	-	4.48	0.8864	0.9415	0.4613	5	pCi/L	0	0	Yes	No	Stable		2.98					
MW-704 (upgradient)	13/13	0%	-	3.52	0.5898	0.768	0.5794	5	pCi/L	0	0	Yes	No	Stable		1.35		No		No	
MW-15	13/13	0%	-	2.12	0.3155	0.5617	0.4137	5	pCi/L	0	0	No	No	Stable		0.951					
MW-6	13/13	0%	-	2.42	0.4986	0.7062	0.6273	5	pCi/L	0	0	No	No	Stable		1.12					
MW-7	13/13	0%	-	2.93	0.3808	0.6171	0.3984	5	pCi/L	0	0	Yes	No	Stable		1.58					
MW-705	13/13	0%	-	1.39	0.1111	0.3334	0.5205	5	pCi/L	0	0	No	No	Stable		1.05					
MW-706	13/13	0%	-	4.74	1.17	1.081	0.7475	5	pCi/L	0	0	Yes	No	Stable		0.953					
MW-707B	13/13	0%	-	3.59	0.7274	0.8529	0.8451	5	pCi/L	0	0	Yes	No	Stable		1.12					
MW-708	13/13	0%	-	1.83	0.3771	0.6141	0.6982	5	pCi/L	0	0	No	No	Decrease		0.814					
MW-801	13/13	0%	-	1.88	0.1296	0.36	0.3368	5	pCi/L	0	0	No	No	Stable		1.50					
MW-802	13/13	0%	-	2.26	0.3148	0.5611	0.3576	5	pCi/L	0	0	No	No	Stable		1.70					
MW-803A	13/13	0%	-	3.38	0.4555	0.6749	0.4407	5	pCi/L	0	0	Yes	No	Stable		0.946					
MW-804	13/13	0%	-	3.81	0.8501	0.922	0.7402	5	pCi/L	0	0	Yes	No	Stable		1.38					
MW-805	13/13	0%	-	1.81	0.2866	0.5353	0.8174	5	pCi/L	0	0	No	No	Stable		0.809					
MW-TW1	13/13	0%	-	2.79	0.6154	0.7845	0.5739	5	pCi/L	0	0	No	No	Stable		1.01					

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison						Interwell Analysis			Groundwater Protection Standard		
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	November 2024 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Selenium, Total (mg/L)																					
MW-13 (upgradient)	1/13	92%	0.002-0.002	0.00039	1.994E-07	0.0004465	0.238	0.05	mg/L	0	0	No	No	NA	Non-parametric	<0.0020	0.002			0.05	
MW-14R (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-601 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-602 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-701 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-702 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-703 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-704 (upgradient)	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020					
MW-15	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-6	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-7	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-705	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-706	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-707B	7/13	46%	0.002-0.002	0.00422	8.118E-07	0.000901	0.3899	0.05	mg/L	0	0	Yes	No	Decrease		<0.0020		No		No	
MW-708	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-801	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-802	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-803A	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-804	1/13	92%	0.002-0.002	0.000533	1.655E-07	0.0004069	0.2156	0.05	mg/L	0	0	No	No	NA		<0.0020		No		No	
MW-805	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	
MW-TW1	0/13	100%	0.002-0.002		0	0	0	0.05	mg/L	0	0	NA	NA	NA		<0.0020		No		No	

Notes:
CCR = coal combustion residuals
GWPS = Groundwater Protection Standard
MCL = maximum contaminant level
mg/L - milligrams per liter
NA = not applicable
pCi/L = picocuries per liter
RSL = Regional Screening Level
SSI - statistically significant increase
SSL - statistically significant level

TABLE II
STATISTICALLY SIGNIFICANT LEVELS OF APPENDIX IV CONSTITUENTS
NOVEMBER 2024 SAMPLING EVENT
LA CYGNE GENERATING STATION
CCR SYSTEM

Constituent	Well ID	Groundwater Protection Standard (mg/L)
Lithium	MW-707B	0.278

Notes:
mg/L = milligrams per liter

ATTACHMENT 1-2
May 2025 Semiannual Groundwater Assessment
Monitoring Data Statistical Evaluation



HALEY & ALDRICH, INC.
6500 Rockside Road
Suite 200
Cleveland, OH 44131
216.739.0555

TECHNICAL MEMORANDUM

September 24, 2025
File No. 0210977-003

TO: Evergy Metro, Inc.
Jared Morrison – Director, Water and Waste Programs

FROM: Haley & Aldrich, Inc.
Steven F. Putrich, P.E., Principal Consultant – Engineering Principal
Mark Nicholls, P.G., Principal Consultant –Hydrogeologist

SUBJECT: May 2025 Semiannual Groundwater Assessment Monitoring Data
Statistical Evaluation
Completed September 19, 2025
La Cygne Generating Station
CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment
La Cygne, Kansas

Pursuant to Title 40 Code of Federal Regulations (40 CFR) §§ 257.93 and 257.95 (Rule), this memorandum summarizes the statistical evaluation of the analytical results for the **May 2025** semiannual assessment monitoring groundwater sampling event for the La Cygne Generating Station CCR Landfill, Lower Air Quality Control (AQC) Impoundment, and Upper AQC Impoundment (collectively, CCR System). This semiannual assessment monitoring groundwater sampling event was completed on **May 12 and 13, 2025**. All laboratory results were received and validated on **August 5, 2025**.

The statistical evaluation discussed in this memorandum was conducted to determine if Appendix IV groundwater monitoring constituents have been detected in downgradient wells at concentrations that represent a statistically significant increase (SSI) above background values and if one or more of the constituents have been detected at a statistically significant level (SSL) above the groundwater protection standard (GWPS) consistent with the requirements of the Rule. The GWPS values for each of the Appendix IV constituents have been set equal to the highest value of the maximum contaminant level, levels provided in 40 CFR § 257.95(h)(2) (from regional screening levels), or background concentrations.

Statistical Evaluation of Appendix IV Constituents

The Rule provides four specific options for statistical evaluation of groundwater quality data collected at a coal combustion residual (CCR) unit (40 CFR § 257.93(f)(1-4)). The statistical method used for this evaluation (tolerance limit [TL]) was certified by Haley & Aldrich, Inc. on September 19, 2025. The TL method, as determined applicable for this sampling event, was used to evaluate potential SSLs above background. Background levels for each constituent listed in Appendix IV were computed as upper tolerance limits (UTL), and a minimum 95 percent confidence coefficient and 95 percent coverage. The most recent groundwater sampling event from each compliance well was compared to the corresponding background UTL to determine if an SSL existed.

STATISTICAL EVALUATION

Interwell evaluation methods were used to determine SSLs based on the documented groundwater quality variability at each well. Interwell evaluation compares the most recent values from downgradient compliance wells against a background dataset composed of upgradient well data, and the intrawell evaluation compares the most recent values from each compliance well against a background dataset composed of historical data from the subject well. Because the CCR unit has transitioned into assessment monitoring, no statistical evaluation was conducted on Appendix III (detection monitoring) semiannual assessment monitoring data.

The TL method was used to complete statistical evaluation of the referenced dataset. The TL procedure is one in which a concentration limit for each constituent is established from the distribution of the background data, with a minimum 95 percent confidence level. The upper endpoint of a tolerance interval is called the UTL. Depending on the data distribution, parametric or non-parametric TL procedures are used to evaluate groundwater monitoring data using this method. Parametric TLs utilize normally distributed data or normalized data via a transformation of the sample background data used to construct the limit. If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the TL. If all the background data are non-detect, a maximum reporting limit may serve as an appropriate UTL.

This statistical evaluation was conducted using a background dataset for all Appendix IV constituents that were detected in the annual assessment monitoring sample event using parametric TLs. If an Appendix IV constituent concentration from the **May 2025** sampling event was above the GWPS, the lower confidence limit (LCL) for the downgradient well constituent will be used to evaluate if an SSI is present. The LCL is the lower end of the confidence interval range, which is an estimated concentration range intended to contain the true mean or median of the population from which the sample is drawn. The confidence interval range is designed to locate the true population mean or median with a high degree of statistical confidence, or conversely, with a low probability of error.

The UTL values were calculated from the background well dataset using Chemstat software after testing for outlier sample results that would warrant removal from the dataset based on likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat and U.S. Environmental Protection Agency's ProUCL 5.1 software, and a visual inspection of the data was performed using box plots and distribution plots for the downgradient sample data. Cobalt results from the May 2020 semiannual sampling event were identified as statistical outliers and were removed from the upgradient dataset. The elevated cobalt concentrations were caused by elevated laboratory reporting limits.

BACKGROUND DISTRIBUTIONS

The groundwater analytical results for each sampling event from the background sample locations MW-13, MW-14R, MW-601, MW-602, MW-701, MW-702, MW-703, and MW-704 (for interwell evaluation) were pooled to calculate the UTL for each detected Appendix IV constituent. The variability and distribution of the pooled dataset were evaluated to determine the method for UTL calculation. In accordance with *Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities* dated March 2009 (USEPA, 2009¹), background concentrations were updated based on statistical evaluation of analytical results collected through **May 2025** for **interwell evaluation**.

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

Sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the **May 2025** semiannual assessment monitoring event were compared to their respective background UTL and GWPS values (Table I). A sample concentration greater than the background UTL is considered to represent an SSI. A sample concentration greater than the GWPS is considered to represent an SSL. The results of the groundwater assessment monitoring statistical evaluation are provided in Table I. **Based on this statistical evaluation of groundwater sampling data collected in May 2025, an SSL above GWPS occurred for lithium at MW-707B, as listed in Table II.** Detected SSLs are consistent with previously identified SSLs at La Cygne.

Attachments:

Table I – Summary of Semiannual Assessment Groundwater Monitoring Statistical Evaluation

Table II – Statistically Significant Levels of Appendix IV Constituents

¹ U.S. Environmental Protection Agency, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities (Unified Guidance)*. EPA 530/R-09-007. March.

TABLES

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
MAY 2025 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	May 2025 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Barium, Total (mg/L)																					
MW-13 (upgradient)	15/15	0%	-	0.036	0.00002625	0.005123	0.2722	2	mg/L	0	0	Yes	No	Stable	Non-parametric	0.017	1.06			2	
MW-14R (upgradient)	15/15	0%	-	0.0448	5.027E-06	0.002242	0.05569	2	mg/L	0	0	No	No	Stable		0.039					
MW-601 (upgradient)	15/15	0%	-	0.137	0.00004207	0.006486	0.05064	2	mg/L	0	0	No	No	Stable		0.120					
MW-602 (upgradient)	15/15	0%	-	0.105	0.00002458	0.004958	0.05157	2	mg/L	0	0	No	No	Stable		0.092					
MW-701 (upgradient)	16/16	0%	-	1.06	0.04837	0.2199	0.9185	2	mg/L	0	0	Yes	No	Increase		0.200					
MW-702 (upgradient)	15/15	0%	-	0.59	0.02008	0.1417	0.3679	2	mg/L	0	0	No	No	Increase		0.480					
MW-703 (upgradient)	15/15	0%	-	0.32	0.0004242	0.0206	0.07384	2	mg/L	0	0	No	No	Stable		0.320					
MW-704 (upgradient)	15/15	0%	-	0.113	0.0002477	0.01574	0.2021	2	mg/L	0	0	Yes	No	Decrease		0.068					
MW-15	15/15	0%	-	0.0556	0.00002087	0.004569	0.09386	2	mg/L	0	0	No	No	Stable		0.051		No		No	
MW-6	15/15	0%	-	0.204	0.0003825	0.01956	0.1198	2	mg/L	0	0	No	No	Stable		0.150		No		No	
MW-7	15/15	0%	-	0.611	0.001893	0.0435	0.08357	2	mg/L	0	0	No	No	Decrease		0.470		No		No	
MW-705	15/15	0%	-	0.0969	0.00001037	0.003221	0.03583	2	mg/L	0	0	No	No	Stable		0.088		No		No	
MW-706	6/15	60%	0.002-0.002	0.217	0.009929	0.09965	1.238	2	mg/L	0	0	No	No	Increase		0.190		No		No	
MW-707B	14/15	7%	0.005-0.005	0.0347	0.0000574	0.007576	0.3713	2	mg/L	0	0	No	No	Stable		0.020		No		No	
MW-708	15/15	0%	-	0.277	0.0004694	0.02167	0.09015	2	mg/L	0	0	No	No	Stable		0.220		No		No	
MW-801	15/15	0%	-	0.638	0.002304	0.048	0.08708	2	mg/L	0	0	No	No	Decrease		0.480		No		No	
MW-802	15/15	0%	-	0.981	0.03041	0.1744	0.2056	2	mg/L	0	0	Yes	No	Stable		0.770		No		No	
MW-803A	15/15	0%	-	0.249	0.0002995	0.01731	0.07593	2	mg/L	0	0	Yes	No	Stable		0.220		No		No	
MW-804	15/15	0%	-	0.191	0.0001829	0.01352	0.08722	2	mg/L	0	0	Yes	No	Stable		0.150		No		No	
MW-805	15/15	0%	-	0.0471	0.00002087	0.004569	0.1311	2	mg/L	0	0	No	No	Decrease		0.028		No		No	
MW-TW1	15/15	0%	-	0.0829	0.00005899	0.007681	0.1122	2	mg/L	0	0	No	No	Decrease		0.057		No		No	
CCR Appendix-IV: Cadmium, Total (mg/L)																					
MW-13 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA	Non-parametric	<0.00050	0.0015			0.005	
MW-14R (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-601 (upgradient)	2/15	87%	0.0005-0.001	0.00146	3.627E-08	0.0001905	0.1882	0.005	mg/L	0	0	Yes	No	NA		<0.00050					
MW-602 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-701 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-702 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-703 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-704 (upgradient)	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050					
MW-15	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-6	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-7	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-705	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-706	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-707B	2/15	87%	0.0005-0.001	0.00154	7.218E-08	0.0002687	0.2811	0.005	mg/L	0	0	Yes	No	NA		<0.00050		No		No	
MW-708	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-801	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-802	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-803A	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-804	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-805	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	
MW-TW1	0/15	100%	0.0005-0.001		1.667E-08	0.0001291	0.1336	0.005	mg/L	0	0	NA	NA	NA		<0.00050		No		No	

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
MAY 2025 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	May 2025 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Cobalt, Total (mg/L)																					
MW-13 (upgradient)	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	Yes	Yes ²	NA	Non-parametric	<0.0010	0.0020			0.006	
MW-14R (upgradient)	1/15	93%	0.001-0.01	0.0000814	4.783E-06	0.002187	0.9351	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-601 (upgradient)	1/15	93%	0.001-0.01	0.00021	4.742E-06	0.002178	0.9277	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-602 (upgradient)	1/15	93%	0.001-0.01	0.000227	4.737E-06	0.002177	0.9268	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-701 (upgradient)	1/15	93%	0.001-0.01	0.000147	4.762E-06	0.002182	0.9313	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-702 (upgradient)	1/15	93%	0.001-0.01	0.0000889	0.00000478	0.002186	0.9347	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-703 (upgradient)	1/15	93%	0.001-0.01	0.0000658	4.788E-06	0.002188	0.936	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-704 (upgradient)	1/15	93%	0.001-0.01	0.00017	4.755E-06	0.002181	0.93	0.006	mg/L	0	1	Yes	Yes ²	NA		<0.0010					
MW-15	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No		No	
MW-6	1/15	93%	0.001-0.01	0.000111	4.773E-06	0.002185	0.9334	0.006	mg/L	0	1	Yes	NA	NA		<0.0010		No		No	
MW-7	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No		No	
MW-705	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No		No	
MW-706	1/15	93%	0.001-0.01	0.000118	4.771E-06	0.002184	0.933	0.006	mg/L	0	1	Yes	No	NA		<0.0010		No		No	
MW-707B	15/15	0%	-	0.0234	0.00002888	0.005374	0.6495	0.006	mg/L	7	0	Yes	No	Stable		0.0085		Yes		0.0049	No
MW-708	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No		0.0049	No
MW-801	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No			No
MW-802	1/15	93%	0.001-0.01	0.0000905	0.00000478	0.002186	0.9346	0.006	mg/L	0	1	Yes	No	NA		<0.0010		No			No
MW-803A	2/15	87%	0.002-0.01	0.001	4.774E-06	0.002185	0.9335	0.006	mg/L	0	1	Yes	No	NA		0.0010		No			No
MW-804	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No			No
MW-805	4/15	73%	0.001-0.01	0.0079	6.652E-06	0.002579	0.8752	0.006	mg/L	1	1	Yes	No	NA		<0.0010		No			No
MW-TW1	0/15	100%	0.001-0.01		0.00000441	0.0021	0.8513	0.006	mg/L	0	1	NA	NA	NA		<0.0010		No			No
CCR Appendix-IV: Fluoride (mg/L)																					
MW-13 (upgradient)	26/29	10%	0.15-0.64	0.227	0.008323	0.09123	0.4946	4	mg/L	0	0	Yes	No	Stable	Non-parametric	<0.200	1.810			4.0	
MW-14R (upgradient)	30/31	3%	0.2-0.2	0.402	0.003877	0.06227	0.2172	4	mg/L	0	0	No	No	Increase		<0.200					
MW-601 (upgradient)	26/26	0%	-	1.81	0.1154	0.3397	0.2174	4	mg/L	0	0	Yes	No	Stable		1.20					
MW-602 (upgradient)	26/26	0%	-	1.36	0.01556	0.1247	0.1058	4	mg/L	0	0	Yes	No	Stable		0.760					
MW-701 (upgradient)	26/26	0%	-	0.857	0.01644	0.1282	0.1962	4	mg/L	0	0	No	No	Decrease		<0.200					
MW-702 (upgradient)	27/27	0%	-	1.63	0.04155	0.2038	0.1511	4	mg/L	0	0	No	No	Decrease		0.660					
MW-703 (upgradient)	27/27	0%	-	1.61	0.04992	0.2234	0.1644	4	mg/L	0	0	Yes	No	Decrease		0.530					
MW-704 (upgradient)	26/26	0%	-	0.968	0.01048	0.1024	0.1216	4	mg/L	0	0	Yes	No	Stable		0.460					
MW-15	26/27	4%	0.2-0.2	0.314	0.001037	0.0322	0.1248	4	mg/L	0	0	No	No	Stable		<0.200		No		No	
MW-6	26/26	0%	-	1.75	0.077	0.2775	0.465	4	mg/L	0	0	Yes	No	Stable		0.270		No		No	
MW-7	26/26	0%	-	1.37	0.01132	0.1064	0.08705	4	mg/L	0	0	Yes	No	Stable		0.870		No		No	
MW-705	26/26	0%	-	1.11	0.01028	0.1014	0.1055	4	mg/L	0	0	Yes	No	Stable		0.630		No		No	
MW-706	26/26	0%	-	1.25	0.01768	0.133	0.124	4	mg/L	0	0	Yes	No	Decrease		0.620		No		No	
MW-707B	25/28	11%	0.2-1.5	1.31	0.1285	0.3584	0.7762	4	mg/L	0	0	Yes	No	Stable		<0.200		No		No	
MW-708	25/26	4%	0.2-0.2	0.754	0.01089	0.1044	0.1734	4	mg/L	0	0	Yes	No	Stable		<0.200		No		No	
MW-801	26/26	0%	-	1.19	0.009028	0.09501	0.0902	4	mg/L	0	0	Yes	No	Decrease		0.730		No		No	
MW-802	27/27	0%	-	1.12	0.02722	0.165	0.1724	4	mg/L	0	0	Yes	No	Stable		0.210		No		No	
MW-803A	27/28	4%	0.2-0.2	1.1	0.0179	0.1338	0.2121	4	mg/L	0	0	Yes	No	Stable		<0.200		No		No	
MW-804	26/27	4%	0.2-0.2	0.564	0.004331	0.06581	0.1477	4	mg/L	0	0	Yes	No	Stable		<0.200		No		No	
MW-805	23/26	12%	0.1-0.2	0.214	0.0009243	0.0304	0.1908	4	mg/L	0	0	No	No	Increase		<0.200		No		No	
MW-TW1	25/26	4%	0.2-0.2	0.463	0.002685	0.05182	0.1327	4	mg/L	0	0	Yes	No	Decrease		<0.200		No		No	

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LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	May 2025 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Lead, Total (mg/L)																					
MW-13 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0010	0.005			0.015	
MW-14R (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-601 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-602 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-701 (upgradient)	1/15	93%	0.001-0.005	0.00209	6.941E-07	0.0008331	0.3894	0.015	mg/L	0	0	Yes	No	NA		<0.0010					
MW-702 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-703 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-704 (upgradient)	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010					
MW-15	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-6	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-7	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-705	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-706	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-707B	2/15	87%	0.002-0.005	0.00333	6.822E-07	0.000826	0.354	0.015	mg/L	0	0	Yes	No	NA		<0.0010		No		No	
MW-708	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-801	6/15	60%	0.001-0.002	0.00779	3.821E-06	0.001955	0.6996	0.015	mg/L	0	0	Yes	No	Stable		<0.0010		No		No	
MW-802	3/15	80%	0.001-0.005	0.00331	8.041E-07	0.0008967	0.3873	0.015	mg/L	0	0	Yes	No	NA		<0.0010		No		No	
MW-803A	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-804	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-805	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
MW-TW1	0/15	100%	0.001-0.005		6.952E-07	0.0008338	0.3908	0.015	mg/L	0	0	NA	NA	NA		<0.0010		No		No	
CCR Appendix-IV: Lithium, Total (mg/L)																					
MW-13 (upgradient)	15/15	0%	-	0.0644	0.00001805	0.004249	0.07597	0.04	mg/L	15	0	No	No	Stable	Non-parametric	0.050	0.278			0.278	
MW-14R (upgradient)	15/15	0%	-	0.0458	0.00001472	0.003836	0.09758	0.04	mg/L	6	0	No	No	Stable		0.036					
MW-601 (upgradient)	15/15	0%	-	0.083	0.00003226	0.00568	0.07894	0.04	mg/L	15	0	No	No	Stable		0.067					
MW-602 (upgradient)	15/15	0%	-	0.0662	0.00002483	0.004983	0.08494	0.04	mg/L	15	0	No	No	Stable		0.050					
MW-701 (upgradient)	15/15	0%	-	0.048	0.0000157	0.003962	0.09774	0.04	mg/L	9	0	No	No	Increase		0.041					
MW-702 (upgradient)	15/15	0%	-	0.278	0.00582	0.07629	0.6664	0.04	mg/L	15	0	No	No	Decrease		0.057					
MW-703 (upgradient)	15/15	0%	-	0.0742	0.00009075	0.009526	0.1514	0.04	mg/L	14	0	No	No	Decrease		0.036					
MW-704 (upgradient)	15/15	0%	-	0.119	0.00007273	0.008528	0.08574	0.04	mg/L	15	0	No	No	Stable		0.087					
MW-15	14/15	7%	0.015-0.015	0.0271	0.00001015	0.003185	0.138	0.04	mg/L	0	0	Yes	No	Stable		0.022		No	0.786	No	
MW-6	15/15	0%	-	0.0634	0.00003721	0.0061	0.1238	0.04	mg/L	15	0	No	No	Decrease		0.044		No		No	
MW-7	15/15	0%	-	0.0867	0.00003343	0.005782	0.07717	0.04	mg/L	15	0	No	No	Decrease		0.066		No		No	
MW-705	15/15	0%	-	0.137	0.00007621	0.00873	0.07159	0.04	mg/L	15	0	No	No	Stable		0.110		No		No	
MW-706	15/15	0%	-	0.152	0.0001268	0.01126	0.08321	0.04	mg/L	15	0	No	No	Stable		0.120		No		No	
MW-707B	15/15	0%	-	1.63	0.09278	0.3046	0.3126	0.04	mg/L	15	0	No	No	Increase		1.100		Yes		Yes	
MW-708	15/15	0%	-	0.0941	0.00004909	0.007007	0.09088	0.04	mg/L	15	0	No	No	Stable		0.071		No		No	
MW-801	15/15	0%	-	0.119	0.0001223	0.01106	0.1116	0.04	mg/L	15	0	No	No	Decrease		0.083		No		No	
MW-802	15/15	0%	-	0.105	0.00007979	0.008932	0.09877	0.04	mg/L	15	0	Yes	No	Stable		0.065		No		No	
MW-803A	15/15	0%	-	0.0968	0.0001652	0.01285	0.1747	0.04	mg/L	15	0	No	No	Stable		0.060		No		No	
MW-804	15/15	0%	-	0.0461	0.00001111	0.003334	0.08195	0.04	mg/L	9	0	No	No	Stable		0.036		No		No	
MW-805	13/15	13%	0.015-0.015	0.053	0.00008357	0.009142	0.3815	0.04	mg/L	1	0	Yes	No	Stable		0.020		No		No	
MW-TW1	15/15	0%	-	0.155	0.00008617	0.009283	0.0664	0.04	mg/L	15	0	No	No	Stable		0.130		No		No	

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MONITORING STATISTICAL EVALUATION
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LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	May 2025 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Mercury, Total (mg/L)																					
MW-13 (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA	Non-parametric	<0.00020	0.00025			0.002	
MW-14R (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020					
MW-601 (upgradient)	1/15	93%	0.0002-0.0002	0.00024	1.067E-10	0.00001033	0.05096	0.002	mg/L	0	0	No	No	NA		<0.00020					
MW-602 (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020					
MW-701 (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020					
MW-702 (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020					
MW-703 (upgradient)	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020					
MW-704 (upgradient)	1/15	93%	0.0002-0.0002	0.00025	1.667E-10	0.00001291	0.06349	0.002	mg/L	0	0	No	No	NA		<0.00020					
MW-15	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020		No		No	
MW-6	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020		No		No	
MW-7	1/15	93%	0.0002-0.0002	0.00024	1.067E-10	0.00001033	0.05096	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-705	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020		No		No	
MW-706	1/15	93%	0.0002-0.0002	0.00025	1.667E-10	0.00001291	0.06349	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-707B	2/15	87%	0.0002-0.0002	0.00024	1.885E-10	0.00001373	0.0669	0.002	mg/L	0	0	Yes	No	NA		<0.00020		No		No	
MW-708	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020		No		No	
MW-801	1/15	93%	0.0002-0.0002	0.00025	1.667E-10	0.00001291	0.06349	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-802	1/15	93%	0.0002-0.0002	0.00021	6.667E-12	0.000002582	0.01287	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-803A	1/15	93%	0.0002-0.0002	0.00021	6.667E-12	0.000002582	0.01287	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-804	0/15	100%	0.0002-0.0002		0	0	0	0.002	mg/L	0	0	NA	NA	NA		<0.00020		No		No	
MW-805	1/15	93%	0.0002-0.0002	0.000213	1.127E-11	0.000003357	0.01671	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
MW-TW1	1/15	93%	0.0002-0.0002	0.00026	2.4E-10	0.00001549	0.07594	0.002	mg/L	0	0	No	No	NA		<0.00020		No		No	
CCR Appendix-IV: Molybdenum, Total (mg/L)																					
MW-13 (upgradient)	0/15	100%	0.001-0.005		1.067E-06	0.001033	0.2182	0.1	mg/L	0	0	NA	NA	NA	Non-parametric	<0.0010	0.019			0.100	
MW-14R (upgradient)	1/15	93%	0.001-0.005	0.00191	1.585E-06	0.001259	0.2781	0.1	mg/L	0	0	No	No	NA		<0.0010					
MW-601 (upgradient)	1/15	93%	0.001-0.005	0.002	1.552E-06	0.001246	0.2748	0.1	mg/L	0	0	No	No	NA		<0.0010					
MW-602 (upgradient)	1/15	93%	0.001-0.005	0.00181	1.624E-06	0.001274	0.2819	0.1	mg/L	0	0	No	No	NA		<0.0010					
MW-701 (upgradient)	3/15	80%	0.005-0.005	0.00519	1.289E-06	0.001136	0.2468	0.1	mg/L	0	0	Yes	No	NA		0.0011					
MW-702 (upgradient)	1/15	93%	0.001-0.005	0.00135	1.816E-06	0.001348	0.3001	0.1	mg/L	0	0	No	No	NA		<0.0010					
MW-703 (upgradient)	0/15	100%	0.001-0.005		1.067E-06	0.001033	0.2182	0.1	mg/L	0	0	NA	NA	NA		<0.0010					
MW-704 (upgradient)	12/15	20%	0.005-0.005	0.0191	0.00001996	0.004468	0.5028	0.1	mg/L	0	0	No	No	Decrease		0.0031					
MW-15	2/15	87%	0.001-0.005	0.00876	2.994E-06	0.00173	0.3646	0.1	mg/L	0	0	Yes	No	NA		<0.0010	No		No		
MW-6	2/15	87%	0.005-0.005	0.00272	1.087E-06	0.001043	0.226	0.1	mg/L	0	0	Yes	No	NA		0.0015	No				
MW-7	2/15	87%	0.005-0.005	0.0019	1.491E-06	0.001221	0.269	0.1	mg/L	0	0	No	No	NA		0.0012	No				
MW-705	0/15	100%	0.001-0.005		1.067E-06	0.001033	0.2182	0.1	mg/L	0	0	NA	NA	NA		<0.0010	No				
MW-706	1/15	93%	0.001-0.005	0.00179	1.631E-06	0.001277	0.2826	0.1	mg/L	0	0	No	No	NA		<0.0010	No				
MW-707B	3/15	80%	0.005-0.005	0.00593	7.506E-08	0.000274	0.05405	0.1	mg/L	0	0	Yes	No	NA		0.0047	No				
MW-708	0/15	100%	0.001-0.005		1.067E-06	0.001033	0.2182	0.1	mg/L	0	0	NA	NA	NA		<0.0010	No				
MW-801	4/15	73%	0.005-0.005	0.00702	4.739E-07	0.0006884	0.1366	0.1	mg/L	0	0	Yes	No	NA		0.0034	No				
MW-802	0/15	100%	0.001-0.005		1.067E-06	0.001033	0.2182	0.1	mg/L	0	0	NA	NA	NA		<0.0010	No				
MW-803A	7/15	53%	0.005-0.005	0.00676	4.022E-07	0.0006342	0.1216	0.1	mg/L	0	0	No	No	Stable		0.0039	No				
MW-804	1/15	93%	0.001-0.005	0.00162	0.0000017	0.001304	0.2892	0.1	mg/L	0	0	No	No	NA		<0.0010	No				
MW-805	1/15	93%	0.001-0.005	0.0024	1.418E-06	0.001191	0.2612	0.1	mg/L	0	0	No	No	NA		<0.0010	No				
MW-TW1	1/15	93%	0.001-0.005	0.00147	1.763E-06	0.001328	0.2952	0.1	mg/L	0	0	No	No	NA		<0.0010	No				

TABLE I
SUMMARY OF SEMIANNUAL ASSESSMENT GROUNDWATER
MONITORING STATISTICAL EVALUATION
MAY 2025 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

										MCL Comparison							Interwell Analysis			Groundwater Protection Standard	
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/ RSL	Report Result Unit	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well	May 2025 Concentration (mg/L)	Upper Tolerance Limit (UTL) (mg/L) ¹	SSI (Exceedance above Background at Individual Well)	95 Lower Confidence of Level (LCL)	GWPS (Higher of MCL/ 40 CFR § 257.95(h)(2) or UTL) (mg/L)	SSL
CCR Appendix-IV: Radium-226 & 228 (pCi/L)																					
MW-13 (upgradient)	11/14	21%	-	2.25	0.3633	0.6028	1.045	5	pCi/L	0	0	Yes	No	Stable	Non-parametric	0.751	4.48			5	
MW-14R (upgradient)	13/15	13%	-	1.54	0.1696	0.4119	0.4687	5	pCi/L	0	0	No	No	Stable		0.857					
MW-601 (upgradient)	15/15	0%	-	1.4	0.116	0.3406	0.571	5	pCi/L	0	0	No	No	Stable		1.40					
MW-602 (upgradient)	12/15	20%	-	1.77	0.3226	0.568	1.007	5	pCi/L	0	0	No	No	Stable		1.05					
MW-701 (upgradient)	14/15	7%	-	2.29	0.4309	0.6564	0.6362	5	pCi/L	0	0	No	No	Stable		1.13					
MW-702 (upgradient)	15/15	0%	-	2.73	0.3828	0.6187	0.5573	5	pCi/L	0	0	No	No	Stable		1.87					
MW-703 (upgradient)	15/15	0%	-	4.48	0.848	0.9209	0.4393	5	pCi/L	0	0	No	No	Stable		3.14					
MW-704 (upgradient)	14/15	7%	-	3.52	0.5696	0.7547	0.6135	5	pCi/L	0	0	Yes	No	Stable		0.542					
MW-15	14/15	7%	-	2.12	0.2821	0.5311	0.4019	5	pCi/L	0	0	No	No	Decrease		0.953		No			No
MW-6	14/15	7%	-	2.42	0.5019	0.7084	0.6811	5	pCi/L	0	0	No	No	Stable		0.888		No			No
MW-7	15/15	0%	-	2.93	0.365	0.6042	0.4075	5	pCi/L	0	0	Yes	No	Stable		1.290		No			No
MW-705	14/15	7%	-	1.39	0.1284	0.3583	0.5241	5	pCi/L	0	0	No	No	Stable		1.340		No			No
MW-706	14/15	7%	-	4.74	1.005	1.003	0.7029	5	pCi/L	0	0	Yes	No	Stable		1.280		No			No
MW-707B	15/15	0%	-	3.59	0.759	0.8712	0.7742	5	pCi/L	0	0	Yes	No	Stable		2.420		No			No
MW-708	14/15	7%	-	1.83	0.3252	0.5703	0.6579	5	pCi/L	0	0	No	No	Stable		0.863		No			No
MW-801	15/15	0%	-	1.99	0.181	0.4254	0.3852	5	pCi/L	0	0	No	No	Stable		1.990		No			No
MW-802	15/15	0%	-	3.04	0.4239	0.651	0.3829	5	pCi/L	0	0	No	No	Stable		2.070		No			No
MW-803A	14/15	7%	-	3.38	0.4204	0.6484	0.4423	5	pCi/L	0	0	Yes	No	Stable		1.040		No			No
MW-804	15/15	0%	-	3.81	0.748	0.8649	0.6947	5	pCi/L	0	0	Yes	No	Stable		1.610		No			No
MW-805	14/15	7%	-	1.81	0.2603	0.5102	0.7337	5	pCi/L	0	0	No	No	Stable		1.110		No			No
MW-TW1	14/15	7%	-	2.79	0.5493	0.7411	0.5269	5	pCi/L	0	0	No	No	Stable		1.390		No			No

Notes:

¹ Interwell background data collected from June 2016 through May 2025.

² Cobalt results from the May 2020 semiannual sampling event were identified as statistical outliers

* Values obtained from U.S. Environmental Protection Agency Federal CCR Rule Title 40 Code of Federal Regulations (CFR) §§ 257.95(h)(2).

CCR = coal combustion residuals

GWPS = groundwater protection standard

MCL = maximum contaminant level

mg/L = milligrams per liter

NS = Not Sampled

pCi/L = picoCuries per liter

SSI = statistically significant increase

SSL = statistically significant level

UTL = upper tolerance limit

TABLE II
STATISTICALLY SIGNIFICANT LEVELS OF APPENDIX IV CONSTITUENTS
MAY 2025 SAMPLING EVENT
LA CYGNE GENERATING STATION
LA CYGNE, KANSAS

Constituent	Well ID	Groundwater Protection Standard (mg/L)
Lithium	MW-707B	0.278

Notes:
mg/L = milligrams per liter

ATTACHMENT 2
Laboratory Analytical Reports

ATTACHMENT 2-1
March 2025 Semiannual Sampling Event
Laboratory Analytical Reports

SCS Engineers - KS

Sample Delivery Group: L1834528
Samples Received: 03/11/2025
Project Number: 27217233.24 - A
Description: Evergy La Cygne Gen Station GW 2024

Report To: Jason Franks
8575 West 110th Street
Suite 100
Overland Park, KS 66210

Entire Report Reviewed By:



Jeff Carr
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-6 L1834528-01 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-7 L1834528-02 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:35

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-13 L1834528-03 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-14R L1834528-04 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 15:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-15 L1834528-05 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-601 L1834528-06 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-602 L1834528-07 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-701 L1834528-08 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2470967	1	03/18/25 09:54	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2470967	1	03/18/25 09:54	03/18/25 16:26	ZRG	Mt. Juliet, TN

MW-702 L1834528-09 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-703 L1834528-10 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2471105	1	03/18/25 14:35	03/19/25 18:32	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2471105	1	03/18/25 14:35	03/19/25 18:32	ZRG	Mt. Juliet, TN

MW-704 L1834528-11 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:50

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467216	1	03/12/25 10:29	03/18/25 21:35	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

MW-705 L1834528-12 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:00

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

SAMPLE SUMMARY

MW-706 L1834528-13 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:25

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-707B L1834528-14 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

MW-708 L1834528-15 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:35

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

MW-801 L1834528-16 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:10

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

MW-802 L1834528-17 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:20

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

MW-803 L1834528-18 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:41	RGT	Mt. Juliet, TN

SAMPLE SUMMARY

MW-804 L1834528-19 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:00

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-805 L1834528-20 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN

TW-1 L1834528-21 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:50

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN

DUPLICATE 1 L1834528-22 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN

DUPLICATE 2 L1834528-23 Non-Potable Water

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2467463	1	03/12/25 14:12	03/14/25 16:45	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2475090	1	03/24/25 08:52	03/26/25 23:37	RGT	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jeff Carr
Project Manager



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.0923	U	0.261	0.471	0.500	0.261	03/18/2025 21:35	WG2467216
(T) Barium	93.3					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	96.1					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.0790	U	0.359	0.650	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0790	U	0.246	0.362	0.415	0.274	03/19/2025 18:32	WG2471105
(T) Barium-133	88.3					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.185	U	0.217	0.419	0.408	0.215	03/18/2025 21:35	WG2467216
(T) Barium	108					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	96.1					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.814		0.416	0.538	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.628		0.355	0.647	0.350	0.234	03/19/2025 18:32	WG2471105
(T) Barium-133	89.0					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.293	U	0.272	0.485	0.525	0.275	03/18/2025 21:35	WG2467216
(T) Barium	101					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	86.7					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.0228	U	0.305	0.593	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.0228	U	0.138	0.173	0.276	0.196	03/19/2025 18:32	WG2471105
(T) Barium-133	101					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.104	U	0.215	0.427	0.417	0.220	03/18/2025 21:35	WG2467216
(T) Barium	94.9					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	91.7					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.137	U	0.286	0.500	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.137	J	0.189	0.322	0.276	0.190	03/19/2025 18:32	WG2471105
(T) Barium-133	97.1					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.05		0.220	0.432	0.381	0.201	03/18/2025 21:35	WG2467216
(T) Barium	94.1					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	92.2					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.22		0.274	0.430	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.166	J	0.164	0.241	0.199	0.148	03/19/2025 18:32	WG2471105
(T) Barium-133	108					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.412		0.198	0.404	0.363	0.193	03/18/2025 21:35	WG2467216
(T) Barium	117					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	92.7					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.615		0.320	0.506	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.203	J	0.252	0.381	0.353	0.235	03/19/2025 18:32	WG2471105
(T) Barium-133	103					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.346	U	0.437	0.745	0.838	0.437	03/18/2025 21:35	WG2467216
(T) Barium	113					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	82.4					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.000	U	0.457	0.917	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	-0.110	U	0.134	0.322	0.373	0.250	03/19/2025 18:32	WG2471105
(T) Barium-133	108					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.396	J	0.335	0.636	0.626	0.330	03/18/2025 21:35	WG2467216
(T) Barium	114					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	86.0					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.636	J	0.419	0.709	03/18/2025 21:35	WG2470967

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.239	J	0.251	0.348	0.333	0.117	03/18/2025 16:26	WG2470967
(T) Barium-133	109					30.0-143	03/18/2025 16:26	WG2470967

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.483	J	0.307	0.537	0.568	0.297	03/18/2025 21:35	WG2467216
(T) Barium	113					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	76.5					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.05		0.469	0.678	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.563		0.355	0.672	0.370	0.249	03/19/2025 18:32	WG2471105
(T) Barium-133	104					30.0-143	03/19/2025 18:32	WG2471105

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.424	J	0.279	0.503	0.518	0.272	03/18/2025 21:35	WG2467216
(T) Barium	91.7					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	85.9					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.77		0.575	0.657	03/19/2025 18:32	WG2471105

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	1.35		0.503	1.07	0.404	0.262	03/19/2025 18:32	WG2471105
(T) Barium-133	100					30.0-143	03/19/2025 18:32	WG2471105

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.426	J	0.267	0.498	0.496	0.262	03/18/2025 21:35	WG2467216
(T) Barium	87.2					30.0-143	03/18/2025 21:35	WG2467216
(T) Yttrium	84.5					30.0-136	03/18/2025 21:35	WG2467216

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.678		0.335	0.544	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.252		0.202	0.329	0.224	0.161	03/26/2025 23:41	WG2475090
(T) Barium-133	109					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.432	J	0.311	0.536	0.539	0.282	03/14/2025 16:45	WG2467463
(T) Barium	116					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	79.5					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.589	J	0.384	0.631	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.157	J	0.226	0.331	0.329	0.216	03/26/2025 23:41	WG2475090
(T) Barium-133	113					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.884		0.414	0.731	0.708	0.372	03/14/2025 16:45	WG2467463
(T) Barium	122					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	78.5					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.31		0.499	0.764	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.426		0.278	0.521	0.288	0.197	03/26/2025 23:41	WG2475090
(T) Barium-133	114					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.04		0.386	0.718	0.652	0.345	03/14/2025 16:45	WG2467463
(T) Barium	90.5					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	77.6					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.34		0.435	0.677	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.296		0.201	0.337	0.182	0.138	03/26/2025 23:41	WG2475090
(T) Barium-133	115					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.444	J	0.346	0.575	0.600	0.314	03/14/2025 16:45	WG2467463
(T) Barium	114					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	77.0					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.705		0.410	0.649	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.262		0.220	0.375	0.247	0.180	03/26/2025 23:41	WG2475090
(T) Barium-133	105					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.474	J	0.326	0.550	0.563	0.294	03/14/2025 16:45	WG2467463
(T) Barium	104					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	79.7					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.683		0.376	0.607	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.209	J	0.187	0.330	0.227	0.157	03/26/2025 23:41	WG2475090
(T) Barium-133	116					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.66		0.406	0.659	0.637	0.336	03/14/2025 16:45	WG2467463
(T) Barium	76.1					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	81.0					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	3.04		0.472	0.679	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.385		0.241	0.683	0.235	0.164	03/26/2025 23:41	WG2475090
(T) Barium-133	118					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.239	U	0.329	0.554	0.576	0.301	03/14/2025 16:45	WG2467463
(T) Barium	109					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	79.5					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.04		0.511	0.688	03/26/2025 23:41	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.805		0.391	0.764	0.376	0.242	03/26/2025 23:41	WG2475090
(T) Barium-133	112					30.0-143	03/26/2025 23:41	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.433	J	0.266	0.490	0.460	0.243	03/14/2025 16:45	WG2467463
(T) Barium	97.6					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	81.1					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.873		0.422	0.592	03/26/2025 23:37	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.440		0.327	0.730	0.373	0.250	03/26/2025 23:37	WG2475090
(T) Barium-133	101					30.0-143	03/26/2025 23:37	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.622		0.353	0.675	0.610	0.323	03/14/2025 16:45	WG2467463
(T) Barium	101					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	76.9					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.807		0.435	0.713	03/26/2025 23:37	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.185	J	0.255	0.407	0.370	0.249	03/26/2025 23:37	WG2475090
(T) Barium-133	101					30.0-143	03/26/2025 23:37	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.67		0.269	0.493	0.421	0.223	03/14/2025 16:45	WG2467463
(T) Barium	110					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	80.2					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.94		0.403	0.583	03/26/2025 23:37	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.277	J	0.300	0.446	0.404	0.262	03/26/2025 23:37	WG2475090
(T) Barium-133	109					30.0-143	03/26/2025 23:37	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.475	U	0.494	0.811	0.887	0.462	03/14/2025 16:45	WG2467463
(T) Barium	98.8					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	79.3					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.194	U	0.533	0.923	03/26/2025 23:37	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.194	J	0.201	0.344	0.256	0.187	03/26/2025 23:37	WG2475090
(T) Barium-133	111					30.0-143	03/26/2025 23:37	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.742	J	0.436	0.745	0.750	0.393	03/14/2025 16:45	WG2467463
(T) Barium	111					30.0-143	03/14/2025 16:45	WG2467463
(T) Yttrium	81.8					30.0-136	03/14/2025 16:45	WG2467463

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.28		0.538	0.798	03/26/2025 23:37	WG2475090

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.539		0.315	0.636	0.274	0.199	03/26/2025 23:37	WG2475090
(T) Barium-133	107					30.0-143	03/26/2025 23:37	WG2475090

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4189159-1 03/18/25 21:35

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.144	⬇	0.135	0.254	0.134
(T) Barium	121		121		
(T) Yttrium	99.5		99.5		

L1834244-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1834244-01 03/18/25 21:35 • (DUP) R4189159-5 03/18/25 21:35

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.742	0.333	0.610	0.320	0.261	0.396	0.741	0.386	96.0	0.931	⬇	20	3
(T) Barium	118				112	112							
(T) Yttrium	91.1				86.4	86.4							

Laboratory Control Sample (LCS)

(LCS) R4189159-2 03/18/25 21:35

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.20	84.0	80.0-120	
(T) Barium			118		
(T) Yttrium			90.8		

L1834528-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834528-08 03/18/25 21:35 • (MS) R4189159-3 03/18/25 21:35 • (MSD) R4189159-4 03/18/25 21:35

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.396	18.2	15.8	107	92.2	1	70.0-130			14.2		20
(T) Barium		114			112	115							
(T) Yttrium		86.0			76.8	96.9							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4187347-1 03/14/25 16:45

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.137	<u>U</u>	0.218	0.391	0.204
(T) Barium	123		123		
(T) Yttrium	77.9		77.9		

L1834528-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1834528-13 03/14/25 16:45 • (DUP) R4187347-5 03/14/25 16:45

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.884	0.414	0.708	0.372	-0.0803	0.791	1.40	0.727	200	1.08	<u>U</u>	20	3
(T) Barium	122				105	105							
(T) Yttrium	78.5				80.9	80.9							

Laboratory Control Sample (LCS)

(LCS) R4187347-2 03/14/25 16:45

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.67	93.5	80.0-120	
(T) Barium			105		
(T) Yttrium			79.8		

L1834528-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834528-20 03/14/25 16:45 • (MS) R4187347-3 03/14/25 16:45 • (MSD) R4187347-4 03/14/25 16:45

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.622	14.7	17.0	84.2	98.3	1	70.0-130			14.8		20
(T) Barium		101			97.0	93.7							
(T) Yttrium		76.9			80.7	81.4							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4188180-1 03/18/25 16:26

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.00714	<u>U</u>	0.0469	0.0843	0.0289
(T) Barium-133	111		111		

Laboratory Control Sample (LCS)

(LCS) R4188180-2 03/18/25 16:26

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.31	106	80.0-120	
(T) Barium-133			109		

L1834528-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834528-08 03/18/25 16:26 • (MS) R4188180-3 03/18/25 16:26 • (MSD) R4188180-4 03/18/25 16:26

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.239	20.9	20.7	103	102	1	75.0-125			0.625		20
(T) Barium-133		109			107	108							

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4188733-1 03/19/25 18:32

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.0196	<u>U</u>	0.0358	0.0843	0.0556
(T) Barium-133	106		106		

L1831298-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1831298-28 03/19/25 18:32 • (DUP) R4188733-5 03/19/25 18:32

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	-0.0855	0.177	0.376	0.242	-0.0598	0.157	0.333	0.217	0.000	0.109	<u>U</u>	20	3
(T) Barium-133	104				112	112							

Laboratory Control Sample (LCS)

(LCS) R4188733-2 03/19/25 18:32

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.92	98.3	80.0-120	
(T) Barium-133			103		

L1834528-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834528-09 03/19/25 18:32 • (MS) R4188733-3 03/19/25 18:32 • (MSD) R4188733-4 03/19/25 18:32

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.563	21.6	20.8	105	101	1	75.0-125			4.11		20
(T) Barium-133		104			117	111							

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4193673-5 03/31/25 22:49

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.0234	<u>U</u>	0.0217	0.0534	0.0326
(T) Barium-133	101		101		

L1833281-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1833281-02 03/26/25 23:41 • (DUP) R4193673-4 03/26/25 23:41

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.0648	0.139	0.231	0.160	0.0879	0.198	0.323	0.217	30.3	0.0958	<u>U</u>	20	3
(T) Barium-133	107				105	105							

Laboratory Control Sample (LCS)

(LCS) R4193673-1 03/26/25 23:41

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.93	98.7	80.0-120	
(T) Barium-133			106		

L1834528-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834528-20 03/26/25 23:37 • (MS) R4193673-2 03/26/25 23:41 • (MSD) R4193673-3 03/26/25 23:41

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.185	17.6	17.8	87.0	88.2	1	75.0-125			1.36		20
(T) Barium-133		101			109	110							

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

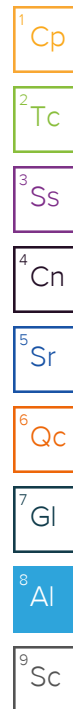
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
SCS Engineers - KS

8575 West 110th Street
Suite 100
Overland Park, KS 66210

Billing Information:
Accounts Payable
8575 W. 110th Street
Suite 100
Overland Park, KS 66210

Report to:
Jason Franks 913-681-0030

Project Description:
Evergry La Cygne Gen Station GW 2024

Regulatory Program(DOD,RCRA,DW,etc):

Collected by (print):
Matt VanderPutten

Collected by (signature):

Immediately Packed on Ice N ☐ Y ☒

City/State
Collected: **Lacygne KS**

Please Circle:
PT MT CT ET ☒

Client Project #
27217233.24 - A

Site/Facility ID #

Rush? (Lab MUST Be Notified)
☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day ☐ STD TAT

Lab Project #
AQUAOPKS-LACYGNE

P.O. #

Quote #

Date Results Needed
Std

No. of Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Pres Chk

Analysis / Container / Preservative

MW-6

Grab

NPW

NA

3/10/25

1405

2

X

X

MW-7

NPW

1

1

1335

2

X

X

MW-10

NPW

2

X

X

MW-11

NPW

2

X

X

MW-13

NPW

NA

3/10/25

1340

2

X

X

MW-14R

NPW

1

1515

2

X

X

MW-15

NPW

1

1015

2

X

X

MW-601

NPW

1215

2

X

X

MW-602

NPW

1415

2

X

X

MW-701

NPW

1

1

1015

2

X

X

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: RA 226/228 - Report separately and combined.

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by : (Signature)

Date:
3/10/25

Time:
1645

Relinquished by : (Signature)

Date:

Time:

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)
Demang

Trip Blank Received: Yes ☒ No ☐
HCL / MeOH
TBR

Temp: °C Bottles Received: **50**

Date: Time: **0900**

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☒ Y ☐ N

Preservation Correct/Checked: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

Condition:
NCF / ☒ OK

Chain of Custody

Page 1 of 1

PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

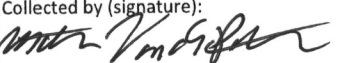
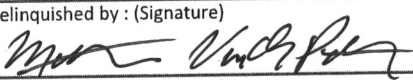
SDG # **1834528**
A238

Acctnum: **AQUAOPKS**
Template: **T249867**
Prelogin: **P1130604**
PM: **206 - Jeff Carr**
PB: **2/6/25 mv**

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

Company Name/Address: SCS Engineers - KS 8575 West 110th Street Suite 100 Overland Park, KS 66210		Billing Information: Accounts Payable 8575 W. 110th Street Suite 100 Overland Park, KS 66210		Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page ____ of ____	
Report to: Jason Franks 913-681-0030		Email To: jfranks@scsengineers.com;jrockhold@scsengine														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Project Description: Every La Cygne Gen Station GW 2024		City/State Collected: LaCygne KS		Please Circle: PT MT ED ET															
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 27217233.24 - A		Lab Project # AQUAOPKS-LACYGNE												SDG # 4834528			
Collected by (print): Matt VanderPutten		Site/Facility ID #		P.O. #												Table #			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Quote #												Acctnum: AQUAOPKS Template: T249867 Preglin: P1130604 PM: 206 - Jeff Carr PB: 2/6/25 mv			
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed 5/4												Shipped Via: FedEX Ground			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	RA-226 1L-HDPE-Add HNO3	RA-228 1L-HDPE-Add-HNO3								Remarks	Sample # (lab only)	
MW-702		Grab	NPW	NA	3/10/25	1105	2	X	X									-09	
MW-703			NPW		1	1140	2	X	X									-10	
MW-704			NPW			1250	2	X	X									-11	
MW-705			NPW			1300	2	X	X									-12	
MW-706			NPW			1225	2	X	X									-13	
MW-707B			NPW			1115	2	X	X									-14	
MW-708			NPW			1035	2	X	X									-15	
MW-801			NPW			1410	2	X	X									-16	
MW-802			NPW			1320	2	X	X									-17	
MW-803			NPW			1240	2	X	X									-18	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: RA 226/228 - Report separately and combined.						pH _____ Temp _____											
								Flow _____ Other _____											
Samples returned via: ___ UPS ___ FedEx ___ Courier _____		Tracking #																	
Relinquished by : (Signature) 		Date: 3/10/25		Time: 1645		Received by: (Signature)		Trip Blank Received: Yes ☒ No ☐ HCL / MeOH TBR											
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)		Temp: _____ °C		Bottles Received: 50								If preservation required by Login: Date/Time	
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) Demanig		Date: 3.11.25		Time: 0900								Condition: NCF / OK	

Company Name/Address: SCS Engineers - KS 8575 West 110th Street Suite 100 Overland Park, KS 66210				Billing Information: Accounts Payable 8575 W. 110th Street Suite 100 Overland Park, KS 66210				Pres Chk 12 12				Analysis / Container / Preservative				Chain of Custody Page ____ of ____	
Report to: Jason Franks 913-681-0030				Email To: jfranks@scsengineers.com; jrockhold@scsengine				RA-226 1L-HDPE-Add-HNO3 RA-228 1L-HDPE-Add-HNO3				 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf					
Project Description: Evergy La Cygne Gen Station GW 2024		City/State Collected: Lacygne KS		Please Circle: PT MT CT ET													
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 27217233.24 - A		Lab Project # AQUAOPKS-LACYGNE													
Collected by (print): Matt VanderPutten		Site/Facility ID #		P.O. #													
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Quote #		Date Results Needed Std		No. of Cntrs									
Immediately Packed on Ice N ☐ Y ☒		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time					
MW-804		Grab		NPW		NA		3/10/25		1200		2					
MW-805		NPW		NPW		NPW		NPW		1105		2					
TW-1		NPW		NPW		NPW		NPW		1150		2					
DUPLICATE 1		NPW		NPW		NPW		NPW		1105		2					
DUPLICATE 12		NPW		NPW		NPW		NPW		1015		2					
MS/MSD MW-805		NPW		NPW		NPW		NPW		1105		2					
MS/MSD MW-701		NPW		NPW		NPW		NPW		1015		2					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: RA 226/228 - Report separately and combined.										pH _____ Temp _____ Flow _____ Other _____					
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier				Tracking #										Trip Blank Received: Yes/No HCL/MeOH TBR			
Relinquished by: (Signature) 				Date: 3/10/25		Time: 1645		Received by: (Signature)				Temp: °C 50		Bottles Received:			
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				If preservation required by Login: Date/Time					
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) Deryan				Date: 3.11.25 Time: 0900		Hold: Condition: NCF / OK			

Sample Receipt Checklist	
COC Seal Present/Intact:	☒ NP ☐ Y ☐ N
COC Signed/Accurate:	☒ Y ☐ N
Bottles arrive intact:	☒ Y ☐ N
Correct bottles used:	☒ Y ☐ N
Sufficient volume sent:	☒ Y ☐ N
If Applicable	
VOA Zero Headspace:	☐ Y ☒ N
Preservation Correct/Checked:	☒ Y ☐ N
RAD Screen <0.5 mR/hr:	☒ Y ☐ N

Multiple Parcel Form

L#

41834528

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4208 1350 3096	TLA9	16.1	0.4	16.5	Yes / No / <u>Not Present</u>
4208 1350 3111	TLA9	14.0	0.4	14.4	Yes / No / <u>Not Present</u>
4208 1350 3122	TLA9	16.5	0.4	16.9	Yes / No / <u>Not Present</u>
4208 1350 3020	TLA9	0.4	0.4	0.8	Yes / No / <u>Not Present</u>
4208 1350 3100	TLA9	1.1	0.4	1.5	Yes / No / <u>Not Present</u>
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Denning
Name

3.11.21
Date

SCS Engineers - KS

Sample Delivery Group: L1834532
Samples Received: 03/11/2025
Project Number: 27224503.00 - A
Description: Evergy La Cygne Gen Station GW 2025

Report To: Jason Franks
8575 West 110th Street
Suite 100
Overland Park, KS 66210

Entire Report Reviewed By:



Jeff Carr
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-6 L1834532-01 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 20:34	03/16/25 20:34	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:25	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 20:08	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:17	SJM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-7 L1834532-02 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:35

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 20:47	03/16/25 20:47	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466650	1	03/13/25 16:36	03/14/25 17:38	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 20:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:20	SJM	Mt. Juliet, TN

MW-13 L1834532-03 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 21:00	03/16/25 21:00	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:28	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 20:15	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:23	SJM	Mt. Juliet, TN

MW-14R L1834532-04 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 15:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 21:12	03/16/25 21:12	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:31	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 18:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:27	SJM	Mt. Juliet, TN

MW-15 L1834532-05 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 21:25	03/16/25 21:25	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:33	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 18:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:36	SJM	Mt. Juliet, TN

MW-601 L1834532-06 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 21:38	03/16/25 21:38	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:36	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 18:56	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:39	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-602 L1834532-07 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 21:51	03/16/25 21:51	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:39	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 18:59	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:42	SJM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

MW-701 L1834532-08 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 22:04	03/16/25 22:04	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:02	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 19:19	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:05	SJM	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

MW-702 L1834532-09 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 22:55	03/16/25 22:55	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:41	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467109	1	03/12/25 14:23	03/12/25 19:02	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:45	SJM	Mt. Juliet, TN

⁹ Sc

MW-703 L1834532-10 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 23:08	03/16/25 23:08	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:44	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:20	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:49	SJM	Mt. Juliet, TN

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:50

Received date/time
03/11/25 09:00

MW-704 L1834532-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 23:46	03/16/25 23:46	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:47	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:22	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:52	SJM	Mt. Juliet, TN

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:00

Received date/time
03/11/25 09:00

MW-705 L1834532-12 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/16/25 23:59	03/16/25 23:59	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:49	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:24	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:55	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-706 L1834532-13 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:25

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2466642	1	03/17/25 00:12	03/17/25 00:12	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:57	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:25	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 01:58	SJM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

MW-707B L1834532-14 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 16:01	03/16/25 16:01	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:00	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:30	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:01	SJM	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

MW-708 L1834532-15 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:35

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 16:14	03/16/25 16:14	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:03	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:32	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:04	SJM	Mt. Juliet, TN

⁹ Sc

MW-801 L1834532-16 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 14:10

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 16:55	03/16/25 16:55	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:34	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:29	SJM	Mt. Juliet, TN

MW-802 L1834532-17 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 13:20

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 17:08	03/16/25 17:08	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:08	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:35	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:33	SJM	Mt. Juliet, TN

MW-803 L1834532-18 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:40

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 17:22	03/16/25 17:22	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:11	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:37	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:36	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

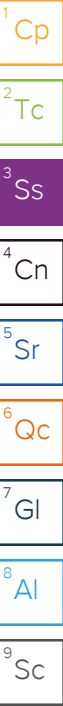
MW-804 L1834532-19 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 12:00

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 17:35	03/16/25 17:35	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:13	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:39	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2466667	1	03/11/25 20:10	03/12/25 02:39	SJM	Mt. Juliet, TN



MW-805 L1834532-20 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 17:49	03/16/25 17:49	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 15:12	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2467115	1	03/12/25 08:08	03/12/25 14:24	JPD	Mt. Juliet, TN

TW-1 L1834532-21 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:50

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 18:43	03/16/25 18:43	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2466658	1	03/13/25 16:21	03/14/25 16:16	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:40	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2467115	1	03/12/25 08:08	03/12/25 14:37	JPD	Mt. Juliet, TN

DUPLICATE 1 L1834532-22 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 11:05

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 18:56	03/16/25 18:56	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2467476	1	03/14/25 23:30	03/17/25 12:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:42	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2467115	1	03/12/25 08:47	03/12/25 14:40	JPD	Mt. Juliet, TN

DUPLICATE 2 L1834532-23 GW

Collected by
Matt Vander Putten

Collected date/time
03/10/25 10:15

Received date/time
03/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2467313	1	03/16/25 19:10	03/16/25 19:10	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2467476	1	03/14/25 23:30	03/17/25 13:02	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2467111	1	03/12/25 11:26	03/12/25 16:44	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2467115	1	03/12/25 08:47	03/12/25 14:43	JPD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jeff Carr
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1150		150	1	03/16/2025 20:34	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:25	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	151		5.00	1	03/12/2025 20:08	WG2467109
Chromium	ND		10.0	1	03/12/2025 20:08	WG2467109
Lithium	45.4		15.0	1	03/12/2025 20:08	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 20:08	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:17	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:17	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:17	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:17	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:17	WG2466667
Lead	ND		2.00	1	03/12/2025 01:17	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:17	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:17	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1140		150	1	03/16/2025 20:47	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 17:38	WG2466650

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	463		5.00	1	03/12/2025 20:12	WG2467109
Chromium	ND		10.0	1	03/12/2025 20:12	WG2467109
Lithium	73.4		15.0	1	03/12/2025 20:12	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 20:12	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:20	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:20	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:20	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:20	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:20	WG2466667
Lead	ND		2.00	1	03/12/2025 01:20	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:20	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:20	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	ND		150	1	03/16/2025 21:00	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:28	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	18.0		5.00	1	03/12/2025 20:15	WG2467109
Chromium	ND		10.0	1	03/12/2025 20:15	WG2467109
Lithium	57.0		15.0	1	03/12/2025 20:15	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 20:15	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:23	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:23	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:23	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:23	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:23	WG2466667
Lead	ND		2.00	1	03/12/2025 01:23	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:23	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:23	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	250		150	1	03/16/2025 21:12	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:31	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	40.9		5.00	1	03/12/2025 18:50	WG2467109
Chromium	ND		10.0	1	03/12/2025 18:50	WG2467109
Lithium	39.6		15.0	1	03/12/2025 18:50	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 18:50	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:27	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:27	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:27	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:27	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:27	WG2466667
Lead	ND		2.00	1	03/12/2025 01:27	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:27	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:27	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	203		150	1	03/16/2025 21:25	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:33	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	47.4		5.00	1	03/12/2025 18:53	WG2467109
Chromium	ND		10.0	1	03/12/2025 18:53	WG2467109
Lithium	22.7		15.0	1	03/12/2025 18:53	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 18:53	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:36	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:36	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:36	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:36	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:36	WG2466667
Lead	ND		2.00	1	03/12/2025 01:36	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:36	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:36	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1730		150	1	03/16/2025 21:38	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:36	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	137		5.00	1	03/12/2025 18:56	WG2467109
Chromium	ND		10.0	1	03/12/2025 18:56	WG2467109
Lithium	70.0		15.0	1	03/12/2025 18:56	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 18:56	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:39	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:39	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:39	WG2466667
Cadmium	1.22		1.00	1	03/12/2025 01:39	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:39	WG2466667
Lead	ND		2.00	1	03/12/2025 01:39	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:39	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:39	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1140		150	1	03/16/2025 21:51	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:39	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	100		5.00	1	03/12/2025 18:59	WG2467109
Chromium	ND		10.0	1	03/12/2025 18:59	WG2467109
Lithium	56.9		15.0	1	03/12/2025 18:59	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 18:59	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:42	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:42	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:42	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:42	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:42	WG2466667
Lead	ND		2.00	1	03/12/2025 01:42	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:42	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:42	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	509		150	1	03/16/2025 22:04	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:02	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	222		5.00	1	03/12/2025 19:19	WG2467109
Chromium	ND		10.0	1	03/12/2025 19:19	WG2467109
Lithium	48.0		15.0	1	03/12/2025 19:19	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 19:19	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:05	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:05	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:05	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:05	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:05	WG2466667
Lead	ND		2.00	1	03/12/2025 01:05	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:05	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:05	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1400		150	1	03/16/2025 22:55	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:41	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	563		5.00	1	03/12/2025 19:02	WG2467109
Chromium	ND		10.0	1	03/12/2025 19:02	WG2467109
Lithium	60.2		15.0	1	03/12/2025 19:02	WG2467109
Molybdenum	ND		5.00	1	03/12/2025 19:02	WG2467109

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:45	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:45	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:45	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:45	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:45	WG2466667
Lead	ND		2.00	1	03/12/2025 01:45	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:45	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:45	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	908		150	1	03/16/2025 23:08	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:44	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	308		5.00	1	03/12/2025 16:20	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:20	WG2467111
Lithium	64.4		15.0	1	03/12/2025 16:20	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:20	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:49	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:49	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:49	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:49	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:49	WG2466667
Lead	ND		2.00	1	03/12/2025 01:49	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:49	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:49	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	876		150	1	03/16/2025 23:46	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:47	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	74.9		5.00	1	03/12/2025 16:22	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:22	WG2467111
Lithium	119		15.0	1	03/12/2025 16:22	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:22	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:52	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:52	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:52	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:52	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:52	WG2466667
Lead	ND		2.00	1	03/12/2025 01:52	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:52	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:52	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	937		150	1	03/16/2025 23:59	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:49	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	96.9		5.00	1	03/12/2025 16:24	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:24	WG2467111
Lithium	137		15.0	1	03/12/2025 16:24	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:24	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:55	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:55	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:55	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:55	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:55	WG2466667
Lead	ND		2.00	1	03/12/2025 01:55	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:55	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:55	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1050		150	1	03/17/2025 00:12	WG2466642

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 15:57	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	217		5.00	1	03/12/2025 16:25	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:25	WG2467111
Lithium	146		15.0	1	03/12/2025 16:25	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:25	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 01:58	WG2466667
Arsenic	ND		2.00	1	03/12/2025 01:58	WG2466667
Beryllium	ND		2.00	1	03/12/2025 01:58	WG2466667
Cadmium	ND		1.00	1	03/12/2025 01:58	WG2466667
Cobalt	ND		2.00	1	03/12/2025 01:58	WG2466667
Lead	ND		2.00	1	03/12/2025 01:58	WG2466667
Selenium	ND		2.00	1	03/12/2025 01:58	WG2466667
Thallium	ND		2.00	1	03/12/2025 01:58	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	409		150	1	03/16/2025 16:01	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:00	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	27.9		5.00	1	03/12/2025 16:30	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:30	WG2467111
Lithium	1630		15.0	1	03/12/2025 16:30	WG2467111
Molybdenum	5.41		5.00	1	03/12/2025 16:30	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:01	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:01	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:01	WG2466667
Cadmium	1.54		1.00	1	03/12/2025 02:01	WG2466667
Cobalt	11.8		2.00	1	03/12/2025 02:01	WG2466667
Lead	ND		2.00	1	03/12/2025 02:01	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:01	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:01	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	677		150	1	03/16/2025 16:14	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:03	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	267		5.00	1	03/12/2025 16:32	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:32	WG2467111
Lithium	94.1		15.0	1	03/12/2025 16:32	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:32	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:04	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:04	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:04	WG2466667
Cadmium	ND		1.00	1	03/12/2025 02:04	WG2466667
Cobalt	ND		2.00	1	03/12/2025 02:04	WG2466667
Lead	ND		2.00	1	03/12/2025 02:04	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:04	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:04	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	1050		150	1	03/16/2025 16:55	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:05	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	506		5.00	1	03/12/2025 16:34	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:34	WG2467111
Lithium	105		15.0	1	03/12/2025 16:34	WG2467111
Molybdenum	5.11		5.00	1	03/12/2025 16:34	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:29	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:29	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:29	WG2466667
Cadmium	ND		1.00	1	03/12/2025 02:29	WG2466667
Cobalt	ND		2.00	1	03/12/2025 02:29	WG2466667
Lead	ND		2.00	1	03/12/2025 02:29	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:29	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:29	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	886		150	1	03/16/2025 17:08	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:08	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	925		5.00	1	03/12/2025 16:35	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:35	WG2467111
Lithium	96.2		15.0	1	03/12/2025 16:35	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:35	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:33	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:33	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:33	WG2466667
Cadmium	ND		1.00	1	03/12/2025 02:33	WG2466667
Cobalt	ND		2.00	1	03/12/2025 02:33	WG2466667
Lead	2.82		2.00	1	03/12/2025 02:33	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:33	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:33	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	628		150	1	03/16/2025 17:22	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:11	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	249		5.00	1	03/12/2025 16:37	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:37	WG2467111
Lithium	77.5		15.0	1	03/12/2025 16:37	WG2467111
Molybdenum	6.76		5.00	1	03/12/2025 16:37	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:36	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:36	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:36	WG2466667
Cadmium	ND		1.00	1	03/12/2025 02:36	WG2466667
Cobalt	ND		2.00	1	03/12/2025 02:36	WG2466667
Lead	ND		2.00	1	03/12/2025 02:36	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:36	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:36	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	459		150	1	03/16/2025 17:35	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:13	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	165		5.00	1	03/12/2025 16:39	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:39	WG2467111
Lithium	46.1	B	15.0	1	03/12/2025 16:39	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:39	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 02:39	WG2466667
Arsenic	ND		2.00	1	03/12/2025 02:39	WG2466667
Beryllium	ND		2.00	1	03/12/2025 02:39	WG2466667
Cadmium	ND		1.00	1	03/12/2025 02:39	WG2466667
Cobalt	ND		2.00	1	03/12/2025 02:39	WG2466667
Lead	ND		2.00	1	03/12/2025 02:39	WG2466667
Selenium	ND		2.00	1	03/12/2025 02:39	WG2466667
Thallium	ND		2.00	1	03/12/2025 02:39	WG2466667

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	ND		150	1	03/16/2025 17:49	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND	J6 O1	0.200	1	03/14/2025 15:12	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	31.9		5.00	1	03/12/2025 16:14	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:14	WG2467111
Lithium	26.9	B	15.0	1	03/12/2025 16:14	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:14	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 14:24	WG2467115
Arsenic	ND		2.00	1	03/12/2025 14:24	WG2467115
Beryllium	ND		2.00	1	03/12/2025 14:24	WG2467115
Cadmium	ND		1.00	1	03/12/2025 14:24	WG2467115
Cobalt	ND		2.00	1	03/12/2025 14:24	WG2467115
Lead	ND		2.00	1	03/12/2025 14:24	WG2467115
Selenium	ND		2.00	1	03/12/2025 14:24	WG2467115
Thallium	ND		2.00	1	03/12/2025 14:24	WG2467115

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	379		150	1	03/16/2025 18:43	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/14/2025 16:16	WG2466658

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	61.6		5.00	1	03/12/2025 16:40	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:40	WG2467111
Lithium	148		15.0	1	03/12/2025 16:40	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:40	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 14:37	WG2467115
Arsenic	ND		2.00	1	03/12/2025 14:37	WG2467115
Beryllium	ND		2.00	1	03/12/2025 14:37	WG2467115
Cadmium	ND		1.00	1	03/12/2025 14:37	WG2467115
Cobalt	ND		2.00	1	03/12/2025 14:37	WG2467115
Lead	ND		2.00	1	03/12/2025 14:37	WG2467115
Selenium	ND		2.00	1	03/12/2025 14:37	WG2467115
Thallium	ND		2.00	1	03/12/2025 14:37	WG2467115

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	ND		150	1	03/16/2025 18:56	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	0.902		0.200	1	03/17/2025 12:58	WG2467476

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	28.8		5.00	1	03/12/2025 16:42	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:42	WG2467111
Lithium	28.6	B	15.0	1	03/12/2025 16:42	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:42	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 14:40	WG2467115
Arsenic	ND		2.00	1	03/12/2025 14:40	WG2467115
Beryllium	ND		2.00	1	03/12/2025 14:40	WG2467115
Cadmium	ND		1.00	1	03/12/2025 14:40	WG2467115
Cobalt	ND		2.00	1	03/12/2025 14:40	WG2467115
Lead	ND		2.00	1	03/12/2025 14:40	WG2467115
Selenium	ND		2.00	1	03/12/2025 14:40	WG2467115
Thallium	ND		2.00	1	03/12/2025 14:40	WG2467115

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Fluoride	635		150	1	03/16/2025 19:10	WG2467313

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	03/17/2025 13:02	WG2467476

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Barium	213		5.00	1	03/12/2025 16:44	WG2467111
Chromium	ND		10.0	1	03/12/2025 16:44	WG2467111
Lithium	63.8		15.0	1	03/12/2025 16:44	WG2467111
Molybdenum	ND		5.00	1	03/12/2025 16:44	WG2467111

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Antimony	ND		4.00	1	03/12/2025 14:43	WG2467115
Arsenic	ND		2.00	1	03/12/2025 14:43	WG2467115
Beryllium	ND		2.00	1	03/12/2025 14:43	WG2467115
Cadmium	ND		1.00	1	03/12/2025 14:43	WG2467115
Cobalt	ND		2.00	1	03/12/2025 14:43	WG2467115
Lead	ND		2.00	1	03/12/2025 14:43	WG2467115
Selenium	ND		2.00	1	03/12/2025 14:43	WG2467115
Thallium	ND		2.00	1	03/12/2025 14:43	WG2467115

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4187153-1 03/16/25 17:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Fluoride	U		76.1	150

L1834457-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1834457-01 03/16/25 17:34 • (DUP) R4187153-3 03/16/25 17:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	ND	ND	1	0.000		15

L1834532-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1834532-08 03/16/25 22:04 • (DUP) R4187153-5 03/16/25 22:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	509	552	1	8.16		15

Laboratory Control Sample (LCS)

(LCS) R4187153-2 03/16/25 17:22

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Fluoride	8000	7970	99.7	80.0-120	

L1834457-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1834457-01 03/16/25 17:34 • (MS) R4187153-4 03/16/25 18:00

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Fluoride	8000	ND	8420	105	1	80.0-120	

L1834532-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-08 03/16/25 22:04 • (MS) R4187153-6 03/16/25 22:29 • (MSD) R4187153-7 03/16/25 22:42

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Fluoride	8000	509	8690	8820	102	104	1	80.0-120			1.43	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4187125-1 03/16/25 15:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Fluoride	U		76.1	150

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1834532-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1834532-15 03/16/25 16:14 • (DUP) R4187125-3 03/16/25 16:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	677	739	1	8.84		15

L1834532-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1834532-20 03/16/25 17:49 • (DUP) R4187125-5 03/16/25 18:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	ND	ND	1	7.08		15

Laboratory Control Sample (LCS)

(LCS) R4187125-2 03/16/25 15:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Fluoride	8000	7690	96.2	80.0-120	

L1834532-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1834532-15 03/16/25 16:14 • (MS) R4187125-4 03/16/25 16:41

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Fluoride	8000	677	8580	98.8	1	80.0-120	

L1834532-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-20 03/16/25 17:49 • (MS) R4187125-6 03/16/25 18:16 • (MSD) R4187125-7 03/16/25 18:29

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Fluoride	8000	ND	7330	7510	89.9	92.2	1	80.0-120			2.49	15

Method Blank (MB)

(MB) R4186721-1 03/14/25 16:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	U		0.0700	0.200

1Cp

2Tc

3Ss

Laboratory Control Sample (LCS)

(LCS) R4186721-2 03/14/25 16:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.07	102	80.0-120	

4Cn

5Sr

L1834284-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834284-05 03/14/25 16:29 • (MS) R4186721-4 03/14/25 16:34 • (MSD) R4186721-5 03/14/25 16:37

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	3.08	3.06	103	102	1	75.0-125			0.489	20

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4186727-1 03/14/25 14:56

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	U		0.0700	0.200

Laboratory Control Sample (LCS)

(LCS) R4186727-2 03/14/25 14:59

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.06	102	80.0-120	

L1834532-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-08 03/14/25 15:02 • (MS) R4186727-4 03/14/25 15:07 • (MSD) R4186727-5 03/14/25 15:09

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	3.07	3.16	102	105	1	75.0-125			2.59	20

L1834532-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-20 03/14/25 15:12 • (MS) R4186727-6 03/14/25 15:15 • (MSD) R4186727-7 03/14/25 15:17

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	0.861	0.887	28.7	29.6	1	75.0-125	<u>J6</u>	<u>J6</u>	2.97	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4187235-1 03/17/25 12:38

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	U		0.0700	0.200

1Cp

2Tc

3Ss

Laboratory Control Sample (LCS)

(LCS) R4187235-2 03/17/25 12:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	2.72	90.7	80.0-120	

4Cn

5Sr

L1834584-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834584-07 03/17/25 12:48 • (MS) R4187235-4 03/17/25 12:53 • (MSD) R4187235-5 03/17/25 12:56

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	ND	2.75	2.91	91.6	96.9	1	75.0-125			5.57	20

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4185754-1 03/12/25 19:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium	U		0.773	5.00
Chromium	U		1.51	10.0
Lithium	U		4.22	15.0
Molybdenum	U		1.37	5.00

Laboratory Control Sample (LCS)

(LCS) R4185754-2 03/12/25 19:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	1000	1020	102	80.0-120	
Chromium	1000	1010	101	80.0-120	
Lithium	1000	1000	100	80.0-120	
Molybdenum	1000	978	97.8	80.0-120	

L1834532-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-08 03/12/25 19:19 • (MS) R4185754-4 03/12/25 19:25 • (MSD) R4185754-5 03/12/25 19:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1000	222	1210	1220	99.1	99.3	1	75.0-125			0.187	20
Chromium	1000	ND	1000	1010	99.6	100	1	75.0-125			0.757	20
Lithium	1000	48.0	1050	1050	100	100	1	75.0-125			0.300	20
Molybdenum	1000	ND	976	976	97.3	97.3	1	75.0-125			0.0417	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4185733-1 03/12/25 16:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium	U		0.773	5.00
Chromium	U		1.51	10.0
Lithium	6.03	J	4.22	15.0
Molybdenum	U		1.37	5.00

Laboratory Control Sample (LCS)

(LCS) R4185733-2 03/12/25 16:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	1000	1000	100	80.0-120	
Chromium	1000	987	98.7	80.0-120	
Lithium	1000	976	97.6	80.0-120	
Molybdenum	1000	1030	103	80.0-120	

L1834532-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-20 03/12/25 16:14 • (MS) R4185733-4 03/12/25 16:17 • (MSD) R4185733-5 03/12/25 16:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1000	31.9	1030	1050	100	102	1	75.0-125			2.17	20
Chromium	1000	ND	1010	1030	101	103	1	75.0-125			1.56	20
Lithium	1000	26.9	1100	1110	107	109	1	75.0-125			1.34	20
Molybdenum	1000	ND	1010	1030	101	103	1	75.0-125			1.87	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4185332-1 03/12/25 00:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
Cobalt	U		0.100	2.00
Lead	U		0.500	2.00
Selenium	U		0.250	2.00
Thallium	U		0.130	2.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4185332-2 03/12/25 01:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.7	97.4	80.0-120	
Arsenic	50.0	48.6	97.2	80.0-120	
Beryllium	50.0	47.4	94.7	80.0-120	
Cadmium	50.0	49.7	99.5	80.0-120	
Cobalt	50.0	49.4	98.8	80.0-120	
Lead	50.0	47.5	95.0	80.0-120	
Selenium	50.0	49.3	98.5	80.0-120	
Thallium	50.0	46.7	93.3	80.0-120	

L1834532-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-08 03/12/25 01:05 • (MS) R4185332-4 03/12/25 01:11 • (MSD) R4185332-5 03/12/25 01:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	ND	49.7	48.7	99.5	97.4	1	75.0-125			2.10	20
Arsenic	50.0	ND	49.3	49.4	95.6	95.8	1	75.0-125			0.200	20
Beryllium	50.0	ND	46.5	46.7	93.0	93.4	1	75.0-125			0.493	20
Cadmium	50.0	ND	48.6	48.7	97.2	97.4	1	75.0-125			0.231	20
Cobalt	50.0	ND	48.7	49.0	96.2	96.8	1	75.0-125			0.612	20
Lead	50.0	ND	46.6	46.7	92.2	92.3	1	75.0-125			0.146	20
Selenium	50.0	ND	48.1	49.1	96.1	98.2	1	75.0-125			2.14	20
Thallium	50.0	ND	45.4	45.3	90.8	90.6	1	75.0-125			0.151	20

Method Blank (MB)

(MB) R4185544-1 03/12/25 14:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
Cobalt	U		0.100	2.00
Lead	U		0.500	2.00
Selenium	U		0.250	2.00
Thallium	U		0.130	2.00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4185544-2 03/12/25 14:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	49.4	98.8	80.0-120	
Arsenic	50.0	51.1	102	80.0-120	
Beryllium	50.0	50.2	100	80.0-120	
Cadmium	50.0	50.4	101	80.0-120	
Cobalt	50.0	51.2	102	80.0-120	
Lead	50.0	48.9	97.8	80.0-120	
Selenium	50.0	49.0	98.1	80.0-120	
Thallium	50.0	48.6	97.1	80.0-120	

L1834532-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834532-20 03/12/25 14:24 • (MS) R4185544-4 03/12/25 14:31 • (MSD) R4185544-5 03/12/25 14:34

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	ND	52.2	52.8	104	106	1	75.0-125			1.24	20
Arsenic	50.0	ND	51.2	51.3	102	102	1	75.0-125			0.358	20
Beryllium	50.0	ND	49.6	50.8	99.2	102	1	75.0-125			2.46	20
Cadmium	50.0	ND	51.2	52.7	102	105	1	75.0-125			2.79	20
Cobalt	50.0	ND	50.4	50.8	99.1	100	1	75.0-125			0.942	20
Lead	50.0	ND	49.3	49.6	98.6	99.3	1	75.0-125			0.726	20
Selenium	50.0	ND	48.9	50.2	97.8	100	1	75.0-125			2.57	20
Thallium	50.0	ND	49.5	50.0	98.9	100	1	75.0-125			1.13	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

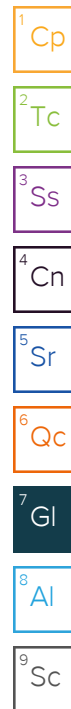
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.



ACCREDITATIONS & LOCATIONS

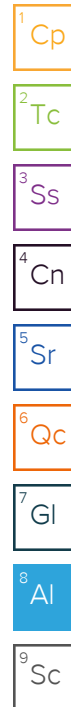
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: SCS Engineers - KS 8575 West 110th Street Suite 100 Overland Park, KS 66210				Billing Information: Accounts Payable 8575 W. 110th Street Suite 100 Overland Park, KS 66210				Analysis / Container / Preservative Pres Chk ☒				Chain of Custody Page ____ of ____ MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Report to: Jason Franks 913-681-0030				Email To: jfranks@scsengineers.com;jrockhold@scsengine											
Project Description: Evergy La Cygne Gen Station GW 2025				City/State Collected: La Cygne KS		Please Circle: PT MT CT ET									
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 27224503.00 - A		Lab Project # AQUAOPKS-LACYGNE											
Collected by (print): Matt VanderPutten		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Quote #											
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed 3+d		No. of Cntrs											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	CCR Metals 250mIHDPE-HNO3	FLUORIDE 125mIHDPE-NoPres							
MW-6		Grab	GW	NA	3/10/25	1405	2	X	X						
MW-7		1	GW	1		1335	2	X	X						
MW-10		—	GW	—	—	—	2	X	X						
MW-11		—	GW	—	—	—	2	X	X						
MW-13		Grab	GW	NA	3/10/25	1340	2	X	X					-03	
MW-14R		1	GW	1		1515	2	X	X					-04	
MW-15		1	GW	1		1015	2	X	X					-05	
MW-601		1	GW	1		1215	2	X	X					-06	
MW-602		1	GW	1		1415	2	X	X					-07	
MW-701		1	GW	1		1015	2	X	X					-08	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:6010 Metals-BA,CR,LI,MO, 6020 Metals-SB,AS,BE,CD,CO,PB,SE,TL, 7470 Metals-HG. pH _____ Temp _____ Flow _____ Other _____													
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking #													
Relinquished by : (Signature) 		Date: 3/10/25		Time: 1645		Received by: (Signature)				Trip Blank Received: Yes (No) ☒ HCL / MeOH TBR					
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)				Temp: °C		Bottles Received: 50		If p e/Time	
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) Deyan				Date:		Time:		Hold:	
PH - 10BDH2631 TRC - 4072A72														Condition: NCF / OK	

SDG # **L1874532**

A239

Acctnum: **AQUAOPKS**

Template: **T166954**

Prelogin: **P1130601**

PM: **206 Jeff Carr**

PB: **21625 mv**

Shipped Via: **FedEX Priority**

Remarks Sample # (lab only)

Company Name/Address: SCS Engineers - KS 8575 West 110th Street Suite 100 Overland Park, KS 66210				Billing Information: Accounts Payable 8575 W. 110th Street Suite 100 Overland Park, KS 66210				Analysis / Container / Preservative Pres Chk ✓ Analysis / Container / Preservative				Chain of Custody Page ____ of ____ Pace PEOPLE ADVANCING SCIENCE			
Report to: Jason Franks 913-681-0030				Email To: jfranks@scsengineers.com; jrockhold@scsengine				CCR Metals 250mlHDPE-HNO3 FLUORIDE 125mlHDPE-NoPres				MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf			
Project Description: Every La Cygne Gen Station GW 2025		City/State Collected: La Cygne KS		Please Circle: PT MT CT ET											
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 27224503.00 - A		Lab Project # AQUAOPKS-LACYGNE											
Collected by (print): Matt VanderPutten		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ STD TAT		Quote #		Date Results Needed 5+d		No. of Cntrs							
Immediately Packed on Ice N ___ Y X		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time			
MW-702		Grab		GW		NA		3/10/25		1105		2			
MW-703		Grab		GW		NA		3/10/25		1140		2			
MW-704		Grab		GW		NA		3/10/25		1250		2			
MW-705		Grab		GW		NA		3/10/25		1300		2			
MW-706		Grab		GW		NA		3/10/25		1225		2			
MW-707B		Grab		GW		NA		3/10/25		1115		2			
MW-708		Grab		GW		NA		3/10/25		1035		2			
MW-801		Grab		GW		NA		3/10/25		1410		2			
MW-802		Grab		GW		NA		3/10/25		1320		2			
MW-803		Grab		GW		NA		3/10/25		1240		2			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks: 6010 Metals-BA,CR,LI,MO, 6020 Metals-SB,AS,BE,CD,CO,PB,SE,TL, 7470 Metals-HG.				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N			
Samples returned via: ___ UPS ___ FedEx ___ Courier _____				Tracking #				Trip Blank Received: Yes ☒ (No) ☐ HCL / MeOH TBR				Temp: _____ °C Bottles Received: 50			
Relinquished by : (Signature) 				Date: 3/10/25				Time: 1645				Received by: (Signature)			
Relinquished by : (Signature)				Date:				Time:				Received by: (Signature)			
Relinquished by : (Signature)				Date:				Time:				Received for lab by: (Signature) Deyan			
Date:				Time:				Date: 3.11.25				Time: 0900			
Hold:				Condition: NCF / OK				If preservation required by Login: Date/Time							

[illegible]

L#

U1834532

[illegible]

Deen G
Name

3.11-21
Date

ATTACHMENT 2-2
May 2025 Semiannual Sampling Event
Laboratory Analytical Reports



June 23, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in black ink that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475099001	LAC-MW-705-051225	Water	05/12/25 18:00	05/13/25 15:15
60475099002	LAC-MW-706-051225	Water	05/12/25 18:00	05/13/25 15:15
60475099003	LAC-MW-707B-051225	Water	05/12/25 15:55	05/13/25 15:15
60475099004	LAC-MW-708-051225	Water	05/12/25 16:05	05/13/25 15:15
60475099005	LAC-MW-801-051225	Water	05/12/25 14:50	05/13/25 15:15
60475099006	LAC-MW-802-051225	Water	05/12/25 13:45	05/13/25 15:15
60475099007	LAC-MW-803-051225	Water	05/12/25 14:15	05/13/25 15:15
60475099008	LAC-MW-804-051225	Water	05/12/25 12:40	05/13/25 15:15
60475099009	LAC-MW-805-051225	Water	05/12/25 12:25	05/13/25 15:15
60475099010	LAC-TW-1-051225	Water	05/12/25 17:00	05/13/25 15:15
60475099011	LAC-DUP1-051225	Water	05/12/25 12:25	05/13/25 15:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475099001	LAC-MW-705-051225	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475099002	LAC-MW-706-051225	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475099003	LAC-MW-707B-051225	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475099004	LAC-MW-708-051225	EPA 200.7	ARMN	4	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475099005	LAC-MW-801-051225	EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
60475099006	LAC-MW-802-051225	EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
60475099007	LAC-MW-803-051225	EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475099008	LAC-MW-804-051225	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
60475099009	LAC-MW-805-051225	SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
60475099010	LAC-TW-1-051225	EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475099011	LAC-DUP1-051225	EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935436

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475099002,60475099010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3707887)
 - Sodium
- MSD (Lab ID: 3707888)
 - Sodium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: EPA 200.8

Description: 200.8 MET ICPMS, Dissolved

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935310

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475099002,60475099011

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3707119)
- Manganese, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: 935310

1e: Dissolved > Total, >20% D

- LAC-MW-805-051225 (Lab ID: 60475099009)
- Aluminum, Dissolved

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: EPA 200.8

Description: 200.8 MET ICPMS, Dissolved

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

Analyte Comments:

QC Batch: 935310

2e: Dissolved > Total, Results Confirmed by Bottle Checks

- LAC-MW-707B-051225 (Lab ID: 60475099003)

- Manganese, Dissolved

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: SM 3500-Fe B#4

Description: Iron, Ferrous

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

General Information:

11 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-DUP1-051225 (Lab ID: 60475099011)
- LAC-MW-705-051225 (Lab ID: 60475099001)
- LAC-MW-706-051225 (Lab ID: 60475099002)
- LAC-MW-707B-051225 (Lab ID: 60475099003)
- LAC-MW-708-051225 (Lab ID: 60475099004)
- LAC-MW-801-051225 (Lab ID: 60475099005)
- LAC-MW-802-051225 (Lab ID: 60475099006)
- LAC-MW-803-051225 (Lab ID: 60475099007)
- LAC-MW-804-051225 (Lab ID: 60475099008)
- LAC-MW-805-051225 (Lab ID: 60475099009)
- LAC-TW-1-051225 (Lab ID: 60475099010)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: SM 4500-S-2 D
Description: 4500S2D Sulfide, Total
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935502

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475099001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3708281)
- Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 934975

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475099003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3705490)
 - Nitrate as N
- MSD (Lab ID: 3705491)
 - Nitrate as N

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: June 23, 2025

General Information:

11 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 936706

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60474766001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3713372)
- Total Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: June 23, 2025

General Information:

11 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-705-051225 (Lab ID: 60475099001)
- LAC-MW-706-051225 (Lab ID: 60475099002)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-705-051225		Lab ID: 60475099001	Collected: 05/12/25 18:00	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	28.2	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:05	7439-95-4	
Potassium, Total Recoverable	6.8	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:05	7440-09-7	
Sodium, Total Recoverable	311	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:05	7440-23-5	
Total Hardness by 2340B, Total Recoverable	185	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:05		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	27.7	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:23	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.12	mg/L	0.010	1	05/20/25 15:16	06/02/25 13:54	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:23	7429-90-5	
Iron, Total Recoverable	0.097	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:23	7439-89-6	
Manganese, Total Recoverable	0.012	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:23	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:10	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:10	7439-89-6	
Manganese, Dissolved	0.0050	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:10	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	695	mg/L	20.0	1		05/20/25 13:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 13:24		
Alkalinity, Total as CaCO3	695	mg/L	20.0	1		05/20/25 13:24		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	M1
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		05/14/25 02:48	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/14/25 02:48	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-705-051225		Lab ID: 60475099001		Collected: 05/12/25 18:00		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:09	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 22:56	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.3	mg/L	1.0	1		05/29/25 17:26	H1		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-706-051225		Lab ID: 60475099002	Collected: 05/12/25 18:00		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	18.5	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:07	7439-95-4	
Potassium, Total Recoverable	6.7	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:07	7440-09-7	
Sodium, Total Recoverable	410	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:07	7440-23-5	M1, P6
Total Hardness by 2340B, Total Recoverable	133	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:07		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	19.2	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:29	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.12	mg/L	0.010	1	05/20/25 15:16	06/02/25 13:59	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.45	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:31	7429-90-5	
Iron, Total Recoverable	0.45	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:31	7439-89-6	
Manganese, Total Recoverable	0.011	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:31	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:02	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:02	7439-89-6	
Manganese, Dissolved	0.0025	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:02	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	774	mg/L	20.0	1		05/20/25 13:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 13:33		
Alkalinity, Total as CaCO3	774	mg/L	20.0	1		05/20/25 13:33		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	0.30	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.12	mg/L	0.10	1		05/14/25 03:23	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/14/25 03:23	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-706-051225		Lab ID: 60475099002		Collected: 05/12/25 18:00		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:11	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 23:11	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 17:42	H1		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-707B-051225		Lab ID: 60475099003		Collected: 05/12/25 15:55		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	598	mg/L	0.25	5	05/20/25 08:16	06/19/25 11:52	7439-95-4		
Potassium, Total Recoverable	18.6	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:12	7440-09-7		
Sodium, Total Recoverable	1060	mg/L	2.5	5	05/20/25 08:16	06/19/25 11:52	7440-23-5		
Total Hardness by 2340B, Total Recoverable	3220	mg/L	2.5	5	05/20/25 08:16	06/19/25 11:52			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	689	mg/L	0.10	2	05/20/25 08:16	06/19/25 11:51	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	1.1	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.71	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:32	7429-90-5		
Iron, Total Recoverable	0.84	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:32	7439-89-6		
Manganese, Total Recoverable	0.96	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:32	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	0.67	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:11	7429-90-5		
Iron, Dissolved	0.83	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:11	7439-89-6		
Manganese, Dissolved	1.9	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:11	7439-96-5	2e	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	648	mg/L	20.0	1		05/20/25 13:41			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 13:41			
Alkalinity, Total as CaCO3	648	mg/L	20.0	1		05/20/25 13:41			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.35	mg/L	0.10	1		05/14/25 01:49	14797-55-8	M1	
Nitrite as N	<0.10	mg/L	0.10	1		05/14/25 01:49	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-707B-051225		Lab ID: 60475099003		Collected: 05/12/25 15:55		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:16	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	2.1	mg/L	1.0	1		05/29/25 23:55	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	4.2	mg/L	2.0	2		05/29/25 18:13			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-708-051225		Lab ID: 60475099004	Collected: 05/12/25 16:05	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	32.6	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:14	7439-95-4	
Potassium, Total Recoverable	4.9	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:14	7440-09-7	
Sodium, Total Recoverable	189	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:14	7440-23-5	
Total Hardness by 2340B, Total Recoverable	204	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:14		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	33.9	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:32	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.074	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:02	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:34	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:34	7439-89-6	
Manganese, Total Recoverable	0.061	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:34	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:13	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:13	7439-89-6	
Manganese, Dissolved	0.024	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:13	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	567	mg/L	20.0	1		05/20/25 13:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 13:56		
Alkalinity, Total as CaCO3	567	mg/L	20.0	1		05/20/25 13:56		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		05/14/25 02:24	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/14/25 02:24	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-708-051225		Lab ID: 60475099004		Collected: 05/12/25 16:05		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:18	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/30/25 00:09	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 18:59			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-801-051225		Lab ID: 60475099005	Collected: 05/12/25 14:50	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	20.1	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:16	7439-95-4	
Potassium, Total Recoverable	5.7	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:16	7440-09-7	
Sodium, Total Recoverable	270	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:16	7440-23-5	
Total Hardness by 2340B, Total Recoverable	141	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:16		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	21.6	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:34	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.091	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:04	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:36	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:36	7439-89-6	
Manganese, Total Recoverable	<0.0010	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:36	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:15	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:15	7439-89-6	
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:15	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	662	mg/L	20.0	1		05/20/25 14:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:05		
Alkalinity, Total as CaCO3	662	mg/L	20.0	1		05/20/25 14:05		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.49	mg/L	0.10	1		05/13/25 21:45	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 21:45	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-801-051225		Lab ID: 60475099005		Collected: 05/12/25 14:50		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:20	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/30/25 00:24	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.9	mg/L	1.0	1		05/29/25 19:15			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-802-051225		Lab ID: 60475099006		Collected: 05/12/25 13:45		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	25.0	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:24	7439-95-4		
Potassium, Total Recoverable	4.6	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:24	7440-09-7		
Sodium, Total Recoverable	159	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:24	7440-23-5		
Total Hardness by 2340B, Total Recoverable	182	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:24			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	26.7	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:42	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.068	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:12	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:40	7429-90-5		
Iron, Total Recoverable	1.1	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:40	7439-89-6		
Manganese, Total Recoverable	0.046	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:40	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:19	7429-90-5		
Iron, Dissolved	1.0	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:19	7439-89-6		
Manganese, Dissolved	0.0074	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:19	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	540	mg/L	20.0	1		05/20/25 14:13			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:13			
Alkalinity, Total as CaCO3	540	mg/L	20.0	1		05/20/25 14:13			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	1.1	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.22	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/13/25 21:17	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 21:17	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-802-051225		Lab ID: 60475099006		Collected: 05/12/25 13:45		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:40	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	2.0	mg/L	1.0	1		05/30/25 00:38	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	2.9	mg/L	1.0	1		05/29/25 19:30			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-803-051225		Lab ID: 60475099007		Collected: 05/12/25 14:15		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	32.4	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:26	7439-95-4		
Potassium, Total Recoverable	5.1	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:26	7440-09-7		
Sodium, Total Recoverable	154	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:26	7440-23-5		
Total Hardness by 2340B, Total Recoverable	244	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:26			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	33.0	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:44	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.061	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:13	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.49	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:42	7429-90-5		
Iron, Total Recoverable	0.70	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:42	7439-89-6		
Manganese, Total Recoverable	0.045	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:42	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:21	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:21	7439-89-6		
Manganese, Dissolved	0.0060	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:21	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	502	mg/L	20.0	1		05/20/25 14:20			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:20			
Alkalinity, Total as CaCO3	502	mg/L	20.0	1		05/20/25 14:20			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.93	mg/L	0.10	1		05/13/25 21:31	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 21:31	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-803-051225		Lab ID: 60475099007		Collected: 05/12/25 14:15		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:41	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/30/25 00:53	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 19:46			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-804-051225		Lab ID: 60475099008	Collected: 05/12/25 12:40	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	21.7	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:28	7439-95-4	
Potassium, Total Recoverable	2.9	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:28	7440-09-7	
Sodium, Total Recoverable	119	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:28	7440-23-5	
Total Hardness by 2340B, Total Recoverable	250	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:28		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	22.9	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:46	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.040	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:15	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.055	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:44	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:44	7439-89-6	
Manganese, Total Recoverable	0.015	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:44	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:23	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:23	7439-89-6	
Manganese, Dissolved	0.0087	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:23	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	482	mg/L	20.0	1		05/20/25 14:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:27		
Alkalinity, Total as CaCO3	482	mg/L	20.0	1		05/20/25 14:27		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.17	mg/L	0.10	1		05/13/25 21:04	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 21:04	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-804-051225		Lab ID: 60475099008		Collected: 05/12/25 12:40		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:44	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/30/25 01:36	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 20:01			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-805-051225		Lab ID: 60475099009		Collected: 05/12/25 12:25		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	126	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:30	7439-95-4		
Potassium, Total Recoverable	1.6	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:30	7440-09-7		
Sodium, Total Recoverable	82.6	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:30	7440-23-5		
Total Hardness by 2340B, Total Recoverable	1670	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:30			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	125	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:48	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.015	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:17	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.25	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:46	7429-90-5		
Iron, Total Recoverable	0.31	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:46	7439-89-6		
Manganese, Total Recoverable	0.54	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:46	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	0.31	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:25	7429-90-5	1e	
Iron, Dissolved	0.35	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:25	7439-89-6	D9	
Manganese, Dissolved	0.52	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:25	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	423	mg/L	20.0	1		05/20/25 14:46			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:46			
Alkalinity, Total as CaCO3	423	mg/L	20.0	1		05/20/25 14:46			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.87	mg/L	0.10	1		05/13/25 20:36	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 20:36	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-MW-805-051225		Lab ID: 60475099009		Collected: 05/12/25 12:25		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:46	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		05/30/25 01:51	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.2	mg/L	1.0	1		05/29/25 20:48			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-TW-1-051225		Lab ID: 60475099010	Collected: 05/12/25 17:00	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	56.9	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:32	7439-95-4	
Potassium, Total Recoverable	7.9	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:32	7440-09-7	
Sodium, Total Recoverable	291	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:32	7440-23-5	
Total Hardness by 2340B, Total Recoverable	291	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:32		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	58.2	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:49	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.13	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:19	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:50	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:50	7439-89-6	
Manganese, Total Recoverable	0.0021	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:50	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	0.070	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:29	7429-90-5	D9
Iron, Dissolved	<0.050	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:29	7439-89-6	
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:29	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	872	mg/L	20.0	1		05/20/25 14:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 14:54		
Alkalinity, Total as CaCO3	872	mg/L	20.0	1		05/20/25 14:54		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.16	mg/L	0.10	1		05/14/25 02:36	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/14/25 02:36	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-TW-1-051225		Lab ID: 60475099010		Collected: 05/12/25 17:00		Received: 05/13/25 15:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:48	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 19:58	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.7	mg/L	1.0	1		05/29/25 21:05			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-DUP1-051225		Lab ID: 60475099011	Collected: 05/12/25 12:25	Received: 05/13/25 15:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	128	mg/L	0.050	1	05/20/25 08:16	05/30/25 21:35	7439-95-4	
Potassium, Total Recoverable	1.6	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:35	7440-09-7	
Sodium, Total Recoverable	84.1	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:35	7440-23-5	
Total Hardness by 2340B, Total Recoverable	1700	mg/L	0.50	1	05/20/25 08:16	05/30/25 21:35		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	125	mg/L	0.050	1	05/20/25 08:16	05/30/25 20:53	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.016	mg/L	0.010	1	05/20/25 15:16	06/02/25 14:21	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.24	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:52	7429-90-5	
Iron, Total Recoverable	0.30	mg/L	0.050	1	05/20/25 08:16	05/28/25 12:52	7439-89-6	
Manganese, Total Recoverable	0.56	mg/L	0.0010	1	05/20/25 08:16	05/28/25 12:52	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	0.27	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:31	7429-90-5	D9
Iron, Dissolved	0.32	mg/L	0.050	1	05/20/25 08:16	05/28/25 13:31	7439-89-6	D9
Manganese, Dissolved	0.52	mg/L	0.0010	1	05/20/25 08:16	05/28/25 13:31	7439-96-5	M1
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	427	mg/L	20.0	1		05/20/25 15:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/20/25 15:00		
Alkalinity, Total as CaCO3	427	mg/L	20.0	1		05/20/25 15:00		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.86	mg/L	0.10	1		05/13/25 20:50	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/13/25 20:50	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Sample: LAC-DUP1-051225		Lab ID: 60475099011		Collected: 05/12/25 12:25		Received: 05/13/25 15:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.14	mg/L	0.10	1	05/30/25 09:00	05/30/25 15:53	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 20:26	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.2	mg/L	1.0	1		05/29/25 21:20			

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	935436	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3707885

Matrix: Water

Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hardness, Total(SM 2340B)	mg/L	<0.50	0.50	05/30/25 21:01	
Magnesium	mg/L	<0.050	0.050	05/30/25 21:01	
Potassium	mg/L	<0.50	0.50	05/30/25 21:01	
Sodium	mg/L	<0.50	0.50	05/30/25 21:01	

LABORATORY CONTROL SAMPLE: 3707886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	66.2	63.4	96	85-115	
Magnesium	mg/L	10	9.5	95	85-115	
Potassium	mg/L	10	9.9	99	85-115	
Sodium	mg/L	10	9.8	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3707887 3707888

Parameter	Units	60475099002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hardness, Total(SM 2340B)	mg/L	133	66.2	66.2	192	198	88	97	70-130	3	20	
Magnesium	mg/L	18.5	10	10	27.3	28.1	88	96	70-130	3	20	
Potassium	mg/L	6.7	10	10	16.2	16.8	95	101	70-130	4	20	
Sodium	mg/L	410	10	10	417	432	67	216	70-130	3	20 M1	

MATRIX SPIKE SAMPLE: 3707889

Parameter	Units	60475099010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	291	66.2	357	99	70-130	
Magnesium	mg/L	56.9	10	66.8	99	70-130	
Potassium	mg/L	7.9	10	18.0	101	70-130	
Sodium	mg/L	291	10	303	117	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	935309	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3707087 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.050	0.050	05/30/25 20:19	

LABORATORY CONTROL SAMPLE: 3707088						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	9.5	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3707089					3707090							
		60475099001	MS	MSD								
Parameter	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	27.7	10	10	36.8	38.6	92	110	70-130	5	20	

MATRIX SPIKE SAMPLE:		3707091					
		60475099010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	mg/L	58.2	10	66.5	83	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	935435	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK:	3707880	Matrix:	Water
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	<0.050	0.050	05/28/25 12:19	
Iron	mg/L	<0.050	0.050	05/28/25 12:19	
Manganese	mg/L	<0.0010	0.0010	05/28/25 12:19	

LABORATORY CONTROL SAMPLE: 3707881						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.93	93	85-115	
Iron	mg/L	1	0.97	97	85-115	
Manganese	mg/L	0.04	0.038	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3707882 3707883												
Parameter	Units	60475099001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Spike	Spike								
Aluminum	mg/L	<0.050	1	1	1.1	1.1	102	107	70-130	5	20	
Iron	mg/L	0.097	1	1	1.1	1.1	99	102	70-130	2	20	
Manganese	mg/L	0.012	0.04	0.04	0.050	0.051	95	98	70-130	3	20	

MATRIX SPIKE SAMPLE:		3707884					
		60475099011	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/L	0.24	1	1.4	112	70-130	
Iron	mg/L	0.30	1	1.3	105	70-130	
Manganese	mg/L	0.56	0.04	0.60	98	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	935310	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK:	3707115	Matrix:	Water
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	05/28/25 12:58	
Iron, Dissolved	mg/L	<0.050	0.050	05/28/25 12:58	
Manganese, Dissolved	mg/L	<0.0010	0.0010	05/28/25 12:58	

LABORATORY CONTROL SAMPLE: 3707116						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	0.89	89	85-115	
Iron, Dissolved	mg/L	1	0.94	94	85-115	
Manganese, Dissolved	mg/L	0.04	0.037	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3707117					3707118							
Parameter	Units	60475099002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Aluminum, Dissolved	mg/L	<0.050	1	1	1.1	1.0	108	103	70-130	5	20	
Iron, Dissolved	mg/L	<0.050	1	1	1.1	1.0	103	99	70-130	4	20	
Manganese, Dissolved	mg/L	0.0025	0.04	0.04	0.042	0.040	98	95	70-130	4	20	

MATRIX SPIKE SAMPLE: 3707119							
Parameter	Units	60475099011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	0.27	1	1.3	108	70-130	
Iron, Dissolved	mg/L	0.32	1	1.4	104	70-130	
Manganese, Dissolved	mg/L	0.52	0.04	0.58	144	70-130 M1	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	935760	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK:	3709178	Matrix:	Water
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	06/02/25 13:50	

LABORATORY CONTROL SAMPLE: 3709179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709180 3709181

Parameter	Units	60475099001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.12	1	1	1.1	1.1	97	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	935732	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK:	3709025	Matrix:	Water
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	20.0	05/20/25 12:08	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	20.0	05/20/25 12:08	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	20.0	05/20/25 12:08	

LABORATORY CONTROL SAMPLE:	3709026					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	487	97	90-110	

SAMPLE DUPLICATE:	3709027					
Parameter	Units	60475025010 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	ND		10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	ND		10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

SAMPLE DUPLICATE:	3709028					
Parameter	Units	60475099003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	648	645	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	648	645	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	935706	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3708879 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	05/22/25 14:16	H6

LABORATORY CONTROL SAMPLE: 3708880						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	1.9	94	90-110	H6

SAMPLE DUPLICATE: 3708881						
Parameter	Units	60475099009 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	935502	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3708277 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	05/17/25 13:35	

LABORATORY CONTROL SAMPLE: 3708278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.54	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3708280 3708281

Parameter	Units	60475099001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	<0.050	0.5	0.5	0.38	0.38	75	74	75-125	1	20	M1

SAMPLE DUPLICATE: 3708279

Parameter	Units	60475099001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.050	<0.050		20	

SAMPLE DUPLICATE: 3708282

Parameter	Units	60475099002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.050	<0.050		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	934908	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099011

METHOD BLANK: 3705178 Matrix: Water

Associated Lab Samples: 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	05/13/25 09:53	
Nitrite as N	mg/L	<0.10	0.10	05/13/25 09:53	

LABORATORY CONTROL SAMPLE: 3705179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	100	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3705180 3705181

Parameter	Units	60475004007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	22.8	40	40	63.7	63.6	102	102	80-120	0	15	
Nitrite as N	mg/L	ND	2	2	1.8	1.8	91	89	80-120	2	15	

MATRIX SPIKE SAMPLE: 3705182

Parameter	Units	60475004008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	0.64	2	2.7	103	80-120	
Nitrite as N	mg/L	ND	2	2.0	96	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	934975	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099010

METHOD BLANK: 3705488 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	05/14/25 01:25	
Nitrite as N	mg/L	<0.10	0.10	05/14/25 01:25	

LABORATORY CONTROL SAMPLE: 3705489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	105	90-110	
Nitrite as N	mg/L	2	2.2	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3705490 3705491

Parameter	Units	60475099003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.35	2	2	0.83	0.82	24	24	80-120	2	15	M1
Nitrite as N	mg/L	<0.10	2	2	2.1	1.9	105	97	80-120	8	15	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	936746	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3713511 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	05/30/25 15:00	

LABORATORY CONTROL SAMPLE: 3713512						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE:		3713513					
		60475012002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.16	5	5.4	106	80-120	

MATRIX SPIKE SAMPLE:		3713515					
		60475099010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	ma/L	<0.10	5	5.3	105	80-120	

SAMPLE DUPLICATE: 3713514						
Parameter	Units	60475099002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	<0.10	<0.10		10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	936706	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009		

METHOD BLANK: 3713370 Matrix: Water
Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	05/29/25 17:06	

LABORATORY CONTROL SAMPLE: 3713371						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.2	104	80-120	

MATRIX SPIKE SAMPLE:		3713372					
		60474766001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Total Organic Carbon	mg/L	3.5	5	3.0	-10	80-120	M1

SAMPLE DUPLICATE: 3713373						
Parameter	Units	60474766001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	3.5	<1.0		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475099

QC Batch:	936943	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475099010, 60475099011

METHOD BLANK: 3714423 Matrix: Water

Associated Lab Samples: 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	06/05/25 19:29	

LABORATORY CONTROL SAMPLE: 3714424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.9	99	80-120	

MATRIX SPIKE SAMPLE: 3714425

Parameter	Units	60475099010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	5	5.5	105	80-120	

SAMPLE DUPLICATE: 3714426

Parameter	Units	60475099010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

QC Batch:	936707	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011		

METHOD BLANK: 3713374 Matrix: Water

Associated Lab Samples: 60475099001, 60475099002, 60475099003, 60475099004, 60475099005, 60475099006, 60475099007, 60475099008, 60475099009, 60475099010, 60475099011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	05/29/25 16:08	

LABORATORY CONTROL SAMPLE: 3713375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.5	110	80-120	

MATRIX SPIKE SAMPLE: 3713376

Parameter	Units	60475099001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.3	5	6.1	96	80-120	H1

SAMPLE DUPLICATE: 3713377

Parameter	Units	60475099002 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	H1

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QUALIFIERS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1e	Dissolved > Total, >20% D
2e	Dissolved > Total, Results Confirmed by Bottle Checks
D9	Dissolved result is greater than the total. Data is within laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475099001	LAC-MW-705-051225	EPA 200.7	935436	EPA 200.7	935701
60475099002	LAC-MW-706-051225	EPA 200.7	935436	EPA 200.7	935701
60475099003	LAC-MW-707B-051225	EPA 200.7	935436	EPA 200.7	935701
60475099004	LAC-MW-708-051225	EPA 200.7	935436	EPA 200.7	935701
60475099005	LAC-MW-801-051225	EPA 200.7	935436	EPA 200.7	935701
60475099006	LAC-MW-802-051225	EPA 200.7	935436	EPA 200.7	935701
60475099007	LAC-MW-803-051225	EPA 200.7	935436	EPA 200.7	935701
60475099008	LAC-MW-804-051225	EPA 200.7	935436	EPA 200.7	935701
60475099009	LAC-MW-805-051225	EPA 200.7	935436	EPA 200.7	935701
60475099010	LAC-TW-1-051225	EPA 200.7	935436	EPA 200.7	935701
60475099011	LAC-DUP1-051225	EPA 200.7	935436	EPA 200.7	935701
60475099001	LAC-MW-705-051225	EPA 200.7	935309	EPA 200.7	935696
60475099002	LAC-MW-706-051225	EPA 200.7	935309	EPA 200.7	935696
60475099003	LAC-MW-707B-051225	EPA 200.7	935309	EPA 200.7	935696
60475099004	LAC-MW-708-051225	EPA 200.7	935309	EPA 200.7	935696
60475099005	LAC-MW-801-051225	EPA 200.7	935309	EPA 200.7	935696
60475099006	LAC-MW-802-051225	EPA 200.7	935309	EPA 200.7	935696
60475099007	LAC-MW-803-051225	EPA 200.7	935309	EPA 200.7	935696
60475099008	LAC-MW-804-051225	EPA 200.7	935309	EPA 200.7	935696
60475099009	LAC-MW-805-051225	EPA 200.7	935309	EPA 200.7	935696
60475099010	LAC-TW-1-051225	EPA 200.7	935309	EPA 200.7	935696
60475099011	LAC-DUP1-051225	EPA 200.7	935309	EPA 200.7	935696
60475099001	LAC-MW-705-051225	EPA 3010	935760	EPA 6010	935869
60475099002	LAC-MW-706-051225	EPA 3010	935760	EPA 6010	935869
60475099003	LAC-MW-707B-051225	EPA 3010	935760	EPA 6010	935869
60475099004	LAC-MW-708-051225	EPA 3010	935760	EPA 6010	935869
60475099005	LAC-MW-801-051225	EPA 3010	935760	EPA 6010	935869
60475099006	LAC-MW-802-051225	EPA 3010	935760	EPA 6010	935869
60475099007	LAC-MW-803-051225	EPA 3010	935760	EPA 6010	935869
60475099008	LAC-MW-804-051225	EPA 3010	935760	EPA 6010	935869
60475099009	LAC-MW-805-051225	EPA 3010	935760	EPA 6010	935869
60475099010	LAC-TW-1-051225	EPA 3010	935760	EPA 6010	935869
60475099011	LAC-DUP1-051225	EPA 3010	935760	EPA 6010	935869
60475099001	LAC-MW-705-051225	EPA 200.8	935435	EPA 200.8	935699
60475099002	LAC-MW-706-051225	EPA 200.8	935435	EPA 200.8	935699
60475099003	LAC-MW-707B-051225	EPA 200.8	935435	EPA 200.8	935699
60475099004	LAC-MW-708-051225	EPA 200.8	935435	EPA 200.8	935699
60475099005	LAC-MW-801-051225	EPA 200.8	935435	EPA 200.8	935699
60475099006	LAC-MW-802-051225	EPA 200.8	935435	EPA 200.8	935699
60475099007	LAC-MW-803-051225	EPA 200.8	935435	EPA 200.8	935699
60475099008	LAC-MW-804-051225	EPA 200.8	935435	EPA 200.8	935699
60475099009	LAC-MW-805-051225	EPA 200.8	935435	EPA 200.8	935699
60475099010	LAC-TW-1-051225	EPA 200.8	935435	EPA 200.8	935699
60475099011	LAC-DUP1-051225	EPA 200.8	935435	EPA 200.8	935699
60475099001	LAC-MW-705-051225	EPA 200.8	935310	EPA 200.8	935698
60475099002	LAC-MW-706-051225	EPA 200.8	935310	EPA 200.8	935698
60475099003	LAC-MW-707B-051225	EPA 200.8	935310	EPA 200.8	935698

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475099004	LAC-MW-708-051225	EPA 200.8	935310	EPA 200.8	935698
60475099005	LAC-MW-801-051225	EPA 200.8	935310	EPA 200.8	935698
60475099006	LAC-MW-802-051225	EPA 200.8	935310	EPA 200.8	935698
60475099007	LAC-MW-803-051225	EPA 200.8	935310	EPA 200.8	935698
60475099008	LAC-MW-804-051225	EPA 200.8	935310	EPA 200.8	935698
60475099009	LAC-MW-805-051225	EPA 200.8	935310	EPA 200.8	935698
60475099010	LAC-TW-1-051225	EPA 200.8	935310	EPA 200.8	935698
60475099011	LAC-DUP1-051225	EPA 200.8	935310	EPA 200.8	935698
60475099001	LAC-MW-705-051225	SM 2320B	935732		
60475099002	LAC-MW-706-051225	SM 2320B	935732		
60475099003	LAC-MW-707B-051225	SM 2320B	935732		
60475099004	LAC-MW-708-051225	SM 2320B	935732		
60475099005	LAC-MW-801-051225	SM 2320B	935732		
60475099006	LAC-MW-802-051225	SM 2320B	935732		
60475099007	LAC-MW-803-051225	SM 2320B	935732		
60475099008	LAC-MW-804-051225	SM 2320B	935732		
60475099009	LAC-MW-805-051225	SM 2320B	935732		
60475099010	LAC-TW-1-051225	SM 2320B	935732		
60475099011	LAC-DUP1-051225	SM 2320B	935732		
60475099001	LAC-MW-705-051225	SM 3500-Fe B#4	935706		
60475099002	LAC-MW-706-051225	SM 3500-Fe B#4	935706		
60475099003	LAC-MW-707B-051225	SM 3500-Fe B#4	935706		
60475099004	LAC-MW-708-051225	SM 3500-Fe B#4	935706		
60475099005	LAC-MW-801-051225	SM 3500-Fe B#4	935706		
60475099006	LAC-MW-802-051225	SM 3500-Fe B#4	935706		
60475099007	LAC-MW-803-051225	SM 3500-Fe B#4	935706		
60475099008	LAC-MW-804-051225	SM 3500-Fe B#4	935706		
60475099009	LAC-MW-805-051225	SM 3500-Fe B#4	935706		
60475099010	LAC-TW-1-051225	SM 3500-Fe B#4	935706		
60475099011	LAC-DUP1-051225	SM 3500-Fe B#4	935706		
60475099001	LAC-MW-705-051225	SM 4500-S-2 D	935502		
60475099002	LAC-MW-706-051225	SM 4500-S-2 D	935502		
60475099003	LAC-MW-707B-051225	SM 4500-S-2 D	935502		
60475099004	LAC-MW-708-051225	SM 4500-S-2 D	935502		
60475099005	LAC-MW-801-051225	SM 4500-S-2 D	935502		
60475099006	LAC-MW-802-051225	SM 4500-S-2 D	935502		
60475099007	LAC-MW-803-051225	SM 4500-S-2 D	935502		
60475099008	LAC-MW-804-051225	SM 4500-S-2 D	935502		
60475099009	LAC-MW-805-051225	SM 4500-S-2 D	935502		
60475099010	LAC-TW-1-051225	SM 4500-S-2 D	935502		
60475099011	LAC-DUP1-051225	SM 4500-S-2 D	935502		
60475099001	LAC-MW-705-051225	EPA 300.0	934975		
60475099002	LAC-MW-706-051225	EPA 300.0	934975		
60475099003	LAC-MW-707B-051225	EPA 300.0	934975		
60475099004	LAC-MW-708-051225	EPA 300.0	934975		
60475099005	LAC-MW-801-051225	EPA 300.0	934908		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475099006	LAC-MW-802-051225	EPA 300.0	934908		
60475099007	LAC-MW-803-051225	EPA 300.0	934908		
60475099008	LAC-MW-804-051225	EPA 300.0	934908		
60475099009	LAC-MW-805-051225	EPA 300.0	934908		
60475099010	LAC-TW-1-051225	EPA 300.0	934975		
60475099011	LAC-DUP1-051225	EPA 300.0	934908		
60475099001	LAC-MW-705-051225	EPA 365.4	936746	EPA 365.4	937116
60475099002	LAC-MW-706-051225	EPA 365.4	936746	EPA 365.4	937116
60475099003	LAC-MW-707B-051225	EPA 365.4	936746	EPA 365.4	937116
60475099004	LAC-MW-708-051225	EPA 365.4	936746	EPA 365.4	937116
60475099005	LAC-MW-801-051225	EPA 365.4	936746	EPA 365.4	937116
60475099006	LAC-MW-802-051225	EPA 365.4	936746	EPA 365.4	937116
60475099007	LAC-MW-803-051225	EPA 365.4	936746	EPA 365.4	937116
60475099008	LAC-MW-804-051225	EPA 365.4	936746	EPA 365.4	937116
60475099009	LAC-MW-805-051225	EPA 365.4	936746	EPA 365.4	937116
60475099010	LAC-TW-1-051225	EPA 365.4	936746	EPA 365.4	937116
60475099011	LAC-DUP1-051225	EPA 365.4	936746	EPA 365.4	937116
60475099001	LAC-MW-705-051225	SM 5310C	936706		
60475099002	LAC-MW-706-051225	SM 5310C	936706		
60475099003	LAC-MW-707B-051225	SM 5310C	936706		
60475099004	LAC-MW-708-051225	SM 5310C	936706		
60475099005	LAC-MW-801-051225	SM 5310C	936706		
60475099006	LAC-MW-802-051225	SM 5310C	936706		
60475099007	LAC-MW-803-051225	SM 5310C	936706		
60475099008	LAC-MW-804-051225	SM 5310C	936706		
60475099009	LAC-MW-805-051225	SM 5310C	936706		
60475099010	LAC-TW-1-051225	SM 5310C	936943		
60475099011	LAC-DUP1-051225	SM 5310C	936943		
60475099001	LAC-MW-705-051225	SM 5310C	936707		
60475099002	LAC-MW-706-051225	SM 5310C	936707		
60475099003	LAC-MW-707B-051225	SM 5310C	936707		
60475099004	LAC-MW-708-051225	SM 5310C	936707		
60475099005	LAC-MW-801-051225	SM 5310C	936707		
60475099006	LAC-MW-802-051225	SM 5310C	936707		
60475099007	LAC-MW-803-051225	SM 5310C	936707		
60475099008	LAC-MW-804-051225	SM 5310C	936707		
60475099009	LAC-MW-805-051225	SM 5310C	936707		
60475099010	LAC-TW-1-051225	SM 5310C	936707		
60475099011	LAC-DUP1-051225	SM 5310C	936707		

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DC#_Title: ENV-FRM-LENE-0009_Sample C

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

WO#: 60475099



60475099

Client Name: Energy Haley and AdrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T-301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 15.1, 9.9, 2.9 Corr. Factor +0.1 Corrected 15.2, 10.0, 3.0Date and initials of person
examining contents: KH SVZ

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	All containers from samples LAC-MW-705-05122S, LAC-MW-706-05122S, LAC-MW-707B-05122S, LAC-MW-708-05122S, LAC-MW-801-05122S, LAC-MW-803-05122S, and ¹⁰⁰ IC-TW-1-05122S were received out of temp.
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr): <u>NOX</u>	☒ Yes ☐ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#: <u>ac 888</u> <u>88728</u>	☒ Yes ☐ No ☐ N/A	
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	One vial from sample MW-804 received broken.
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____



Pace* Location Requested (City/State):
Pace Analytical Kansas
9608 Loiret Blvd., Lenexa, KS 66219

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here



Scan QR Code for instructions

60475099

Company Name: **Evergy_Haley & Aldrich**
Street Address: **818 S Kansas Avenue**
Topeka, KS 66612

Contact/Report To: **Jake Humphrey**
Phone #: **(913)634-0605**
E-Mail: **jake.humphrey@evergy.com**
Cc E-Mail: **skaney@haleyaldrich.com**

Customer Project #:

Project Name: **La Cygne CCR Wells -Additional Analyses**

Site Collection Info/Facility ID (as applicable):

Invoice To: **Lacygne-Evergy Payable**
Invoice E-Mail: **apinvoicing@evergy.com**
Purchase Order # (if applicable): **3000222251**
Quote #:

Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET

County / State origin of sample(s): **Kansas**

Data Deliverables:

[] Level II [] Level III [] Level IV

[] EQUIS

[] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No

Rush (Pre-approval required):

[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

DW PWSID # or WW Permit # as applicable:

NA

Date Results Requested:

Field Filtered (if applicable): [X] Yes [] No
Analysis: **DOC**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		200.8 ME	2320B Al	300.0 NO	365.4 Tot	4500S2D	5310C Dis	5310C TO	Dissolved	Iron, Ferr	EZ 3254316		Preservation	
			Date	Time	Date	Time		Results	Units										Sample Comment			
LaC-MW-705-051225	GW	GRAB	-	-	5/12/2025	1800	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-706-051225	GW	GRAB	-	-	5/12/2025	1800	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-707B-051225	GW	GRAB	-	-	5/12/2025	1555	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-708-051225	GW	GRAB	-	-	5/12/2025	1605	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-801-051225	GW	GRAB	-	-	5/12/2025	1450	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-802-051225	GW	GRAB	-	-	5/12/2025	1345	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-803-051225	GW	GRAB	-	-	5/12/2025	1415	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-804-051225	GW	GRAB	-	-	5/12/2025	1240	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-MW-805-051225	GW	GRAB	-	-	5/12/2025	1225	11	-	-	X	X	X	X	X	X	X	X	X				
LaC-TW-1-051225	GW	GRAB	-	-	5/12/2025	1700	11	-	-	X	X	X	X	X	X	X	X	X				
Additional Instructions from Base*:																						

Additional Instructions from Pace*:

Total Metals: Mg, Na, K, Al, Fe, Mn, Hardness
Dissolved Metals: Li, Fe, Al, Mg, Mn

Collected By:
(Printed Name)
Signature:

Jason R. Franks

Jason R. Franks

Customer Remarks / Special Conditions / Possible Hazards:

Coolers:

Thermometer ID:

Correction Factor (°C):

Obs. Temp. (°C):

Corrected Temp. (°C):

On Ice:

Relinquished by/Company: (Signature)

Date/Time:

05/13/2025 / 15:00

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Tracking Number:

Delivered by: [] In-Person [] Courier

[] FedEx [] UPS [] Other

Page: **1** of **2**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace* Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

ENV-FRM-CORQ-0019_v02_110123 ©

Client: Evergy Haley and Abdrich

Profile/EZ# 3254316

Site: La Cygne CCR Wells-Additional Analyses

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	5		3										2							1	2		1		1		1						
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic			I	Wipe/Swab
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic			SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic			ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic			AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate			C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic			R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic			U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered				
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic			WT	Water
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic			SL	Solid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic			NAL	Non-aqueous Liquid
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate			OL	OIL
				BP4U	125mL unpreserved plastic			WP	Wipe
				BP4N	125mL HNO3 plastic			DW	Drinking Water
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number

WO# : 60475099

PM: AS

Due Date: 05/29/25

CLIENT: Evergy_Haley



July 01, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in cursive script that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

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SAMPLE SUMMARY

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475209001	LAC-MW-6-051325	Water	05/13/25 15:45	05/14/25 15:10
60475209002	LAC-MW-7-051325	Water	05/13/25 16:40	05/14/25 15:10
60475209003	LAC-MW-13-051325	Water	05/13/25 11:30	05/14/25 15:10
60475209004	LAC-MW-14R-051325	Water	05/13/25 10:35	05/14/25 15:10
60475209005	LAC-MW-15-051325	Water	05/13/25 10:20	05/14/25 15:10
60475209006	LAC-MW-601-051325	Water	05/13/25 12:10	05/14/25 15:10
60475209007	LAC-MW-602-051325	Water	05/13/25 11:20	05/14/25 15:10
60475209008	LAC-MW-701-051325	Water	05/13/25 14:15	05/14/25 15:10
60475209009	LAC-MW-702-051325	Water	05/13/25 14:30	05/14/25 15:10
60475209010	LAC-MW-703-051325	Water	05/13/25 13:40	05/14/25 15:10
60475209011	LAC-MW-704-051325	Water	05/13/25 12:55	05/14/25 15:10
60475209012	LAC-DUP2-051325	Water	05/13/25 14:15	05/14/25 15:10

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475209001	LAC-MW-6-051325	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475209002	LAC-MW-7-051325	EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475209003	LAC-MW-13-051325	EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60475209004	LAC-MW-14R-051325	EPA 200.7	ARMN	5	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475209005	LAC-MW-15-051325	EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
60475209006	LAC-MW-601-051325	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
60475209007	LAC-MW-602-051325	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475209008	LAC-MW-701-051325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
60475209009	LAC-MW-702-051325	SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
60475209010	LAC-MW-703-051325	EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475209011	LAC-MW-704-051325	EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
60475209012	LAC-DUP2-051325	SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	5	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	3	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475209001,60475209010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3709258)
 - Sodium
- MS (Lab ID: 3709260)
 - Sodium
- MSD (Lab ID: 3709259)
 - Calcium
 - Sodium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: EPA 200.7
Description: 200.7 Metals, Dissolved (LF)
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935976

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475209002,60475209010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3710127)
 - Sodium, Dissolved
- MSD (Lab ID: 3710128)
 - Sodium, Dissolved

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: EPA 6010
Description: 6010 MET ICP, Dissolved (LF)
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: EPA 200.8
Description: 200.8 ICPMS, Dissolved (LF)
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 935973

1e: Dissolved > Total, >20% D

- LAC-MW-7-051325 (Lab ID: 60475209002)
- Iron, Dissolved

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-6-051325 (Lab ID: 60475209001)
- LAC-MW-7-051325 (Lab ID: 60475209002)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-DUP2-051325 (Lab ID: 60475209012)
- LAC-MW-601-051325 (Lab ID: 60475209006)
- LAC-MW-701-051325 (Lab ID: 60475209008)
- LAC-MW-702-051325 (Lab ID: 60475209009)
- LAC-MW-703-051325 (Lab ID: 60475209010)
- LAC-MW-704-051325 (Lab ID: 60475209011)

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-DUP2-051325 (Lab ID: 60475209012)
- LAC-MW-13-051325 (Lab ID: 60475209003)
- LAC-MW-14R-051325 (Lab ID: 60475209004)
- LAC-MW-15-051325 (Lab ID: 60475209005)
- LAC-MW-6-051325 (Lab ID: 60475209001)
- LAC-MW-601-051325 (Lab ID: 60475209006)
- LAC-MW-602-051325 (Lab ID: 60475209007)
- LAC-MW-7-051325 (Lab ID: 60475209002)
- LAC-MW-701-051325 (Lab ID: 60475209008)
- LAC-MW-702-051325 (Lab ID: 60475209009)
- LAC-MW-703-051325 (Lab ID: 60475209010)
- LAC-MW-704-051325 (Lab ID: 60475209011)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Method: SM 3500-Fe B#4

Description: Iron, Ferrous

Client: Evergy_Haley & Aldrich

Date: July 01, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: SM 4500-S-2 D
Description: 4500S2D Sulfide, Total
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: EPA 300.0
Description: 300.0 IC Anions
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935157

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475209005,60475209009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3706297)
- Nitrate as N

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: July 01, 2025

General Information:

12 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: July 01, 2025

General Information:

12 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-6-051325		Lab ID: 60475209001		Collected: 05/13/25 15:45		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	35.0	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:27	7439-95-4	M1,P6	
Potassium, Total Recoverable	4.6	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:27	7440-09-7		
Sodium, Total Recoverable	310	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:27	7440-23-5		
Total Hardness by 2340B, Total Recoverable	321	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:27			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	65.1	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:34	7440-70-2		
Magnesium, Dissolved	32.1	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:34	7439-95-4		
Potassium, Dissolved	4.6	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:34	7440-09-7		
Sodium, Dissolved	285	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:34	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.042	mg/L	0.010	1	05/21/25 14:44	06/06/25 17:53	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:49	7429-90-5		
Iron, Total Recoverable	0.16	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:49	7439-89-6		
Manganese, Total Recoverable	0.016	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:49	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:30	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:30	7439-89-6		
Manganese, Dissolved	0.0030	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:30	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	633	mg/L	20.0	1		05/21/25 14:00			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:00			
Alkalinity, Total as CaCO3	633	mg/L	20.0	1		05/21/25 14:00			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H1,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-6-051325		Lab ID: 60475209001		Collected: 05/13/25 15:45		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/15/25 11:11	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 11:11	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.19	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:37	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 20:41	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.9	mg/L	1.0	1		05/29/25 21:36			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-7-051325		Lab ID: 60475209002	Collected: 05/13/25 16:40	Received: 05/14/25 15:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Calcium, Total Recoverable	20.5	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:32	7440-70-2	
Magnesium, Total Recoverable	13.3	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:32	7439-95-4	
Potassium, Total Recoverable	4.2	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:32	7440-09-7	
Sodium, Total Recoverable	315	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:32	7440-23-5	
Total Hardness by 2340B, Total Recoverable	106	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:32		
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Calcium, Dissolved	20.4	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:36	7440-70-2	
Magnesium, Dissolved	13.2	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:36	7439-95-4	
Potassium, Dissolved	4.2	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:36	7440-09-7	
Sodium, Dissolved	311	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:36	7440-23-5	M1,P6
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.066	mg/L	0.010	1	05/21/25 14:44	06/06/25 17:59	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:41	7429-90-5	
Iron, Total Recoverable	0.14	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:41	7439-89-6	
Manganese, Total Recoverable	0.028	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:41	7439-96-5	
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:31	7429-90-5	
Iron, Dissolved	0.22	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:31	7439-89-6	1e
Manganese, Dissolved	0.015	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:31	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	702	mg/L	20.0	1		05/21/25 14:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:08		
Alkalinity, Total as CaCO3	702	mg/L	20.0	1		05/21/25 14:08		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H1,H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-7-051325		Lab ID: 60475209002		Collected: 05/13/25 16:40		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1			05/15/25 11:23	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1			05/15/25 11:23	14797-65-0	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.36	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:41		7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1			06/05/25 21:39	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			05/29/25 21:51		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-13-051325		Lab ID: 60475209003		Collected: 05/13/25 11:30		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	361	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:34	7440-70-2		
Magnesium, Total Recoverable	171	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:34	7439-95-4		
Potassium, Total Recoverable	3.0	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:34	7440-09-7		
Sodium, Total Recoverable	141	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:34	7440-23-5		
Total Hardness by 2340B, Total Recoverable	1600	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:34			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	341	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:41	7440-70-2		
Magnesium, Dissolved	160	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:41	7439-95-4		
Potassium, Dissolved	3.2	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:41	7440-09-7		
Sodium, Dissolved	135	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:41	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.049	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:51	7429-90-5		
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:51	7439-89-6		
Manganese, Total Recoverable	0.0021	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:51	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:22	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:22	7439-89-6		
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:22	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	352	mg/L	20.0	1		05/21/25 14:17			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:17			
Alkalinity, Total as CaCO3	352	mg/L	20.0	1		05/21/25 14:17			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-13-051325		Lab ID: 60475209003		Collected: 05/13/25 11:30		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Kansas City								
	Nitrate as N	<0.10	mg/L	0.10	1		05/15/25 09:12	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 09:12	14797-65-0		
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
	Pace Analytical Services - Kansas City								
	Phosphorus	0.16	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:41	7723-14-0	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Kansas City								
	Total Organic Carbon	1.3	mg/L	1.0	1		06/05/25 21:53	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C								
	Pace Analytical Services - Kansas City								
	Dissolved Organic Carbon	2.4	mg/L	1.0	1		05/29/25 22:38		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-14R-051325		Lab ID: 60475209004		Collected: 05/13/25 10:35		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	51.6	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:36	7440-70-2		
Magnesium, Total Recoverable	38.1	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:36	7439-95-4		
Potassium, Total Recoverable	4.5	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:36	7440-09-7		
Sodium, Total Recoverable	113	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:36	7440-23-5		
Total Hardness by 2340B, Total Recoverable	286	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:36			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	49.8	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:43	7440-70-2		
Magnesium, Dissolved	36.5	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:43	7439-95-4		
Potassium, Dissolved	4.4	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:43	7440-09-7		
Sodium, Dissolved	109	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:43	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.039	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:03	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:52	7429-90-5		
Iron, Total Recoverable	0.25	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:52	7439-89-6		
Manganese, Total Recoverable	0.19	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:52	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:33	7429-90-5		
Iron, Dissolved	0.082	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:33	7439-89-6		
Manganese, Dissolved	0.075	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:33	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	482	mg/L	20.0	1		05/21/25 14:38			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:38			
Alkalinity, Total as CaCO3	482	mg/L	20.0	1		05/21/25 14:38			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.40	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-14R-051325		Lab ID: 60475209004		Collected: 05/13/25 10:35		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
		Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/15/25 08:49	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 08:49	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4							
		Pace Analytical Services - Kansas City							
Phosphorus	0.28	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:48	7723-14-0		
5310C TOC		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Total Organic Carbon	1.5	mg/L	1.0	1		06/05/25 22:07	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.4	mg/L	1.0	1		05/29/25 22:54			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-15-051325		Lab ID: 60475209005		Collected: 05/13/25 10:20		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	99.6	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:38	7440-70-2		
Magnesium, Total Recoverable	37.0	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:38	7439-95-4		
Potassium, Total Recoverable	2.8	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:38	7440-09-7		
Sodium, Total Recoverable	135	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:38	7440-23-5		
Total Hardness by 2340B, Total Recoverable	401	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:38			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	92.5	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:45	7440-70-2		
Magnesium, Dissolved	34.1	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:45	7439-95-4		
Potassium, Dissolved	2.8	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:45	7440-09-7		
Sodium, Dissolved	127	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:45	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.021	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:04	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:54	7429-90-5		
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:54	7439-89-6		
Manganese, Total Recoverable	0.0011	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:54	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:35	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:35	7439-89-6		
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:35	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	466	mg/L	20.0	1		05/21/25 14:45			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:45			
Alkalinity, Total as CaCO3	466	mg/L	20.0	1		05/21/25 14:45			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-15-051325		Lab ID: 60475209005		Collected: 05/13/25 10:20		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/15/25 08:13	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 08:13	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.11	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:51	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 22:22	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 23:09			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-601-051325		Lab ID: 60475209006		Collected: 05/13/25 12:10		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	15.0	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:45	7440-70-2		
Magnesium, Total Recoverable	10.6	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:45	7439-95-4		
Potassium, Total Recoverable	4.5	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:45	7440-09-7		
Sodium, Total Recoverable	361	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:45	7440-23-5		
Total Hardness by 2340B, Total Recoverable	81.1	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:45			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	13.4	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:52	7440-70-2		
Magnesium, Dissolved	9.8	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:52	7439-95-4		
Potassium, Dissolved	4.4	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:52	7440-09-7		
Sodium, Dissolved	343	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:52	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.062	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:12	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.45	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:59	7429-90-5		
Iron, Total Recoverable	0.44	mg/L	0.050	1	05/20/25 15:44	05/28/25 13:59	7439-89-6		
Manganese, Total Recoverable	0.037	mg/L	0.0010	1	05/20/25 15:44	05/28/25 13:59	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:39	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:39	7439-89-6		
Manganese, Dissolved	0.034	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:39	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	653	mg/L	20.0	1		05/21/25 14:53			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 14:53			
Alkalinity, Total as CaCO3	653	mg/L	20.0	1		05/21/25 14:53			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-601-051325		Lab ID: 60475209006		Collected: 05/13/25 12:10		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
		Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/15/25 09:24	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 09:24	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4							
		Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 20:53	7723-14-0		
5310C TOC		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 22:36	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		05/29/25 23:25			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-602-051325		Lab ID: 60475209007		Collected: 05/13/25 11:20		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	21.3	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:47	7440-70-2		
Magnesium, Total Recoverable	14.4	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:47	7439-95-4		
Potassium, Total Recoverable	3.6	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:47	7440-09-7		
Sodium, Total Recoverable	191	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:47	7440-23-5		
Total Hardness by 2340B, Total Recoverable	112	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:47			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	20.4	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:54	7440-70-2		
Magnesium, Dissolved	13.9	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:54	7439-95-4		
Potassium, Dissolved	3.5	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:54	7440-09-7		
Sodium, Dissolved	187	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:54	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.049	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:14	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.42	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:00	7429-90-5		
Iron, Total Recoverable	0.47	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:00	7439-89-6		
Manganese, Total Recoverable	0.018	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:00	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:41	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:41	7439-89-6		
Manganese, Dissolved	0.0062	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:41	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	504	mg/L	20.0	1		05/21/25 15:00			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:00			
Alkalinity, Total as CaCO3	504	mg/L	20.0	1		05/21/25 15:00			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-602-051325		Lab ID: 60475209007		Collected: 05/13/25 11:20		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
	Nitrate as N	0.11	mg/L	0.10	1	05/15/25 09:00	14797-55-8		
	Nitrite as N	<0.10	mg/L	0.10	1	05/15/25 09:00	14797-65-0		
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
	Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:12	7723-14-0	
	5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon		<1.0	mg/L	1.0	1	06/05/25 22:51	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
	Dissolved Organic Carbon	1.6	mg/L	1.0	1	05/29/25 23:40			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-701-051325		Lab ID: 60475209008		Collected: 05/13/25 14:15		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	45.2	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:49	7440-70-2		
Magnesium, Total Recoverable	9.3	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:49	7439-95-4		
Potassium, Total Recoverable	3.1	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:49	7440-09-7		
Sodium, Total Recoverable	160	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:49	7440-23-5		
Total Hardness by 2340B, Total Recoverable	151	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:49			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	41.9	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:56	7440-70-2		
Magnesium, Dissolved	8.5	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:56	7439-95-4		
Potassium, Dissolved	2.9	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:56	7440-09-7		
Sodium, Dissolved	149	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:56	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.040	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:16	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.51	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:02	7429-90-5		
Iron, Total Recoverable	0.71	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:02	7439-89-6		
Manganese, Total Recoverable	0.021	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:02	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:43	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:43	7439-89-6		
Manganese, Dissolved	0.014	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:43	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	369	mg/L	20.0	1		05/21/25 15:06			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:06			
Alkalinity, Total as CaCO3	369	mg/L	20.0	1		05/21/25 15:06			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-701-051325		Lab ID: 60475209008		Collected: 05/13/25 14:15		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
		Pace Analytical Services - Kansas City							
Nitrate as N	0.19	mg/L	0.10	1		05/15/25 10:23	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 10:23	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4							
		Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:14	7723-14-0		
5310C TOC		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 23:05	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.1	mg/L	1.0	1		05/30/25 00:27			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-702-051325		Lab ID: 60475209009		Collected: 05/13/25 14:30		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	17.8	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:50	7440-70-2		
Magnesium, Total Recoverable	6.5	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:50	7439-95-4		
Potassium, Total Recoverable	3.4	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:50	7440-09-7		
Sodium, Total Recoverable	247	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:50	7440-23-5		
Total Hardness by 2340B, Total Recoverable	71.0	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:50			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	16.1	mg/L	0.20	1	05/21/25 14:44	06/06/25 18:58	7440-70-2		
Magnesium, Dissolved	6.3	mg/L	0.050	1	05/21/25 14:44	06/06/25 18:58	7439-95-4		
Potassium, Dissolved	3.4	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:58	7440-09-7		
Sodium, Dissolved	243	mg/L	0.50	1	05/21/25 14:44	06/06/25 18:58	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.053	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:17	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.11	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:04	7429-90-5		
Iron, Total Recoverable	0.13	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:04	7439-89-6		
Manganese, Total Recoverable	0.0070	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:04	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:45	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:45	7439-89-6		
Manganese, Dissolved	0.0029	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:45	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	574	mg/L	20.0	1		05/21/25 15:28			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:28			
Alkalinity, Total as CaCO3	574	mg/L	20.0	1		05/21/25 15:28			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-702-051325		Lab ID: 60475209009		Collected: 05/13/25 14:30		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.11	mg/L	0.10	1		05/15/25 10:47	14797-55-8	M1	
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 10:47	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:16	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 23:19	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		06/10/25 15:33			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-703-051325		Lab ID: 60475209010		Collected: 05/13/25 13:40		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	18.8	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:52	7439-95-4	M1, P6	
Potassium, Total Recoverable	3.8	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:52	7440-09-7		
Sodium, Total Recoverable	261	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:52	7440-23-5		
Total Hardness by 2340B, Total Recoverable	191	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:52			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	36.4	mg/L	0.20	1	05/21/25 14:44	06/06/25 19:00	7440-70-2		
Magnesium, Dissolved	15.2	mg/L	0.050	1	05/21/25 14:44	06/06/25 19:00	7439-95-4		
Potassium, Dissolved	3.6	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:00	7440-09-7		
Sodium, Dissolved	244	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:00	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.038	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:19	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:08	7429-90-5		
Iron, Total Recoverable	1.3	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:08	7439-89-6		
Manganese, Total Recoverable	0.29	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:08	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:49	7429-90-5		
Iron, Dissolved	0.068	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:49	7439-89-6		
Manganese, Dissolved	0.19	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:49	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	628	mg/L	20.0	1		05/21/25 15:36			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:36			
Alkalinity, Total as CaCO3	628	mg/L	20.0	1		05/21/25 15:36			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	1.2	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-703-051325		Lab ID: 60475209010		Collected: 05/13/25 13:40		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1			05/15/25 10:12	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1			05/15/25 10:12	14797-65-0	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:19		7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.1	mg/L	1.0	1			06/05/25 23:34	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.8	mg/L	1.0	1			06/10/25 16:12		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-MW-704-051325		Lab ID: 60475209011		Collected: 05/13/25 12:55		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	22.3	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:56	7440-70-2		
Magnesium, Total Recoverable	15.7	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:56	7439-95-4		
Potassium, Total Recoverable	5.6	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:56	7440-09-7		
Sodium, Total Recoverable	446	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:56	7440-23-5		
Total Hardness by 2340B, Total Recoverable	120	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:56			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	20.4	mg/L	0.20	1	05/21/25 14:44	06/06/25 19:03	7440-70-2		
Magnesium, Dissolved	14.3	mg/L	0.050	1	05/21/25 14:44	06/06/25 19:03	7439-95-4		
Potassium, Dissolved	5.6	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:03	7440-09-7		
Sodium, Dissolved	410	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:03	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.091	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:21	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.11	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:10	7429-90-5		
Iron, Total Recoverable	<0.050	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:10	7439-89-6		
Manganese, Total Recoverable	0.010	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:10	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:51	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:51	7439-89-6		
Manganese, Dissolved	0.0031	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:51	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	817	mg/L	20.0	1		05/21/25 15:44			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:44			
Alkalinity, Total as CaCO3	817	mg/L	20.0	1		05/21/25 15:44			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Sample: LAC-MW-704-051325		Lab ID: 60475209011		Collected: 05/13/25 12:55		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
		Pace Analytical Services - Kansas City							
Nitrate as N	0.15	mg/L	0.10	1		05/15/25 09:36	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 09:36	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4							
		Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:21	7723-14-0		
5310C TOC		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/05/25 23:48	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		06/10/25 16:31			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-DUP2-051325		Lab ID: 60475209012		Collected: 05/13/25 14:15		Received: 05/14/25 15:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Total Recoverable	45.7	mg/L	0.20	1	05/20/25 15:44	06/02/25 19:58	7440-70-2		
Magnesium, Total Recoverable	9.5	mg/L	0.050	1	05/20/25 15:44	06/02/25 19:58	7439-95-4		
Potassium, Total Recoverable	3.2	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:58	7440-09-7		
Sodium, Total Recoverable	164	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:58	7440-23-5		
Total Hardness by 2340B, Total Recoverable	153	mg/L	0.50	1	05/20/25 15:44	06/02/25 19:58			
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Calcium, Dissolved	44.0	mg/L	0.20	1	05/21/25 14:44	06/06/25 19:05	7440-70-2		
Magnesium, Dissolved	9.0	mg/L	0.050	1	05/21/25 14:44	06/06/25 19:05	7439-95-4		
Potassium, Dissolved	3.0	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:05	7440-09-7		
Sodium, Dissolved	157	mg/L	0.50	1	05/21/25 14:44	06/06/25 19:05	7440-23-5		
6010 MET ICP, Dissolved (LF)		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.042	mg/L	0.010	1	05/21/25 14:44	06/06/25 18:23	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.49	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:14	7429-90-5		
Iron, Total Recoverable	0.69	mg/L	0.050	1	05/20/25 15:44	05/28/25 14:14	7439-89-6		
Manganese, Total Recoverable	0.021	mg/L	0.0010	1	05/20/25 15:44	05/28/25 14:14	7439-96-5		
200.8 ICPMS, Dissolved (LF)		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:55	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	05/21/25 14:44	05/28/25 14:55	7439-89-6		
Manganese, Dissolved	0.014	mg/L	0.0010	1	05/21/25 14:44	05/28/25 14:55	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	368	mg/L	20.0	1		05/21/25 15:51			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		05/21/25 15:51			
Alkalinity, Total as CaCO3	368	mg/L	20.0	1		05/21/25 15:51			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.22	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Sample: LAC-DUP2-051325		Lab ID: 60475209012		Collected: 05/13/25 14:15		Received: 05/14/25 15:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
		Pace Analytical Services - Kansas City							
Nitrate as N	0.19	mg/L	0.10	1		05/15/25 10:35	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		05/15/25 10:35	14797-65-0		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4							
		Pace Analytical Services - Kansas City							
Phosphorus	0.18	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:26	7723-14-0		
5310C TOC		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/06/25 00:32	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C							
		Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		06/10/25 19:21			

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935782	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3709256

Matrix: Water

Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	mg/L	<0.20	0.20	06/02/25 19:23	
Hardness, Total(SM 2340B)	mg/L	<0.50	0.50	06/02/25 19:23	
Magnesium	mg/L	<0.050	0.050	06/02/25 19:23	
Potassium	mg/L	<0.50	0.50	06/02/25 19:23	
Sodium	mg/L	<0.50	0.50	06/02/25 19:23	

LABORATORY CONTROL SAMPLE: 3709257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	10	10.1	101	85-115	
Hardness, Total(SM 2340B)	mg/L	66.2	66.1	100	85-115	
Magnesium	mg/L	10	9.9	99	85-115	
Potassium	mg/L	10	9.9	99	85-115	
Sodium	mg/L	10	10.3	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709258 3709259

Parameter	Units	60475209001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	70.8	10	10	78.1	77.5	73	66	70-130	1	20	M1
Hardness, Total(SM 2340B)	mg/L	321	66.2	66.2	375	371	81	76	70-130	1	20	
Magnesium	mg/L	35.0	10	10	43.7	43.2	86	82	70-130	1	20	
Potassium	mg/L	4.6	10	10	14.7	14.3	100	97	70-130	2	20	
Sodium	mg/L	310	10	10	311	305	12	-46	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 3709260

Parameter	Units	60475209010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	45.7	10	54.4	87	70-130	
Hardness, Total(SM 2340B)	mg/L	191	66.2	252	91	70-130	
Magnesium	mg/L	18.8	10	28.1	93	70-130	
Potassium	mg/L	3.8	10	13.9	101	70-130	
Sodium	mg/L	261	10	264	24	70-130	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935976	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3710125

Matrix: Water

Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium, Dissolved	mg/L	<0.20	0.20	06/06/25 18:30	
Magnesium, Dissolved	mg/L	<0.050	0.050	06/06/25 18:30	
Potassium, Dissolved	mg/L	<0.50	0.50	06/06/25 18:30	
Sodium, Dissolved	mg/L	<0.50	0.50	06/06/25 18:30	

LABORATORY CONTROL SAMPLE: 3710126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	mg/L	10	9.6	96	85-115	
Magnesium, Dissolved	mg/L	10	9.3	93	85-115	
Potassium, Dissolved	mg/L	10	9.5	95	85-115	
Sodium, Dissolved	mg/L	10	9.6	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710127 3710128

Parameter	Units	60475209002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium, Dissolved	mg/L	20.4	10	10	30.2	31.7	97	112	70-130	5	20	
Magnesium, Dissolved	mg/L	13.2	10	10	22.8	24.1	95	108	70-130	6	20	
Potassium, Dissolved	mg/L	4.2	10	10	14.2	14.7	100	105	70-130	4	20	
Sodium, Dissolved	mg/L	311	10	10	325	340	134	285	70-130	5	20 M1	

MATRIX SPIKE SAMPLE: 3710129

Parameter	Units	60475209010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	mg/L	36.4	20	56.7	101	70-130	
Magnesium, Dissolved	mg/L	15.2	20	34.3	95	70-130	
Potassium, Dissolved	mg/L	3.6	20	22.9	96	70-130	
Sodium, Dissolved	mg/L	244	20	268	119	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935813	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3709381

Matrix: Water

Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	<0.050	0.050	05/28/25 13:37	
Iron	mg/L	<0.050	0.050	05/28/25 13:37	
Manganese	mg/L	<0.0010	0.0010	05/28/25 13:37	

LABORATORY CONTROL SAMPLE: 3709382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.87	87	85-115	
Iron	mg/L	1	0.93	93	85-115	
Manganese	mg/L	0.04	0.036	91	85-115	

MATRIX SPIKE SAMPLE: 3709385

Parameter	Units	60475209011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	0.11	1	1.1	103	70-130	
Iron	mg/L	<0.050	1	0.99	97	70-130	
Manganese	mg/L	0.010	0.04	0.048	94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709388 3709389

Parameter	Units	60475209002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	<0.050	1	1	1.0	1.0	103	101	70-130	2	20	
Iron	mg/L	0.14	1	1	1.1	1.1	100	98	70-130	2	20	
Manganese	mg/L	0.028	0.04	0.04	0.066	0.066	95	95	70-130	0	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935973	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3710119

Matrix: Water

Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	05/28/25 14:18	
Iron, Dissolved	mg/L	<0.050	0.050	05/28/25 14:18	
Manganese, Dissolved	mg/L	<0.0010	0.0010	05/28/25 14:18	

LABORATORY CONTROL SAMPLE: 3710120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	0.87	87	85-115	
Iron, Dissolved	mg/L	1	0.92	92	85-115	
Manganese, Dissolved	mg/L	0.04	0.036	90	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710121 3710122

Parameter	Units	60475209003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.050	1	1	1.0	1.0	104	101	70-130	3	20	
Iron, Dissolved	mg/L	<0.050	1	1	1.0	0.99	103	99	70-130	4	20	
Manganese, Dissolved	mg/L	<0.0010	0.04	0.04	0.042	0.040	104	100	70-130	4	20	

MATRIX SPIKE SAMPLE: 3710123

Parameter	Units	60475209011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	1	1.1	104	70-130	
Iron, Dissolved	mg/L	<0.050	1	1.0	100	70-130	
Manganese, Dissolved	mg/L	0.0031	0.04	0.041	96	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch:	935972	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK:	3710113	Matrix:	Water
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	06/06/25 17:44	

LABORATORY CONTROL SAMPLE: 3710114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710115 3710116

Parameter	Units	60475209001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.042	1	1	0.96	0.90	92	86	75-125	6	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch:	935842	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3709476 Matrix: Water
Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	20.0	05/21/25 12:20	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	20.0	05/21/25 12:20	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	20.0	05/21/25 12:20	

LABORATORY CONTROL SAMPLE: 3709477						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	522	104	90-110	

SAMPLE DUPLICATE: 3709478						
Parameter	Units	60475123009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	426	426	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	426	426	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3709479						
Parameter	Units	60475209003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	352	329	7	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	352	329	7	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch: 935706 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475209003, 60475209004, 60475209005, 60475209007

METHOD BLANK: 3708879 Matrix: Water
Associated Lab Samples: 60475209003, 60475209004, 60475209005, 60475209007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	05/22/25 14:16	H6

LABORATORY CONTROL SAMPLE: 3708880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	1.9	94	90-110	H6

SAMPLE DUPLICATE: 3708881

Parameter	Units	60475099009 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935707	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209006, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK:	3708882	Matrix:	Water
Associated Lab Samples:	60475209001, 60475209002, 60475209006, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	05/22/25 14:16	H6

LABORATORY CONTROL SAMPLE: 3708883						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	1.9	94	90-110	H6

SAMPLE DUPLICATE: 3708884						
Parameter	Units	60475209006 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H3,H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch:	935505	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3708301 Matrix: Water
Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	05/17/25 13:35	

LABORATORY CONTROL SAMPLE: 3708302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.54	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3708304 3708305

Parameter	Units	60475384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.52	0.53	102	106	75-125	3	20	

SAMPLE DUPLICATE: 3708303

Parameter	Units	60475384001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

SAMPLE DUPLICATE: 3708306

Parameter	Units	60475384002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	935157	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3706293

Matrix: Water

Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	05/15/25 03:47	
Nitrite as N	mg/L	<0.10	0.10	05/15/25 03:47	

LABORATORY CONTROL SAMPLE: 3706294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	106	90-110	
Nitrite as N	mg/L	2	2.2	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3706295 3706296

Parameter	Units	60475209005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.10	2	2	2.1	1.8	101	87	80-120	14	15	
Nitrite as N	mg/L	<0.10	2	2	2.3	2.0	114	98	80-120	15	15	

MATRIX SPIKE SAMPLE: 3706297

Parameter	Units	60475209009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L		0.11	2	2.6	123	80-120 M1
Nitrite as N	mg/L		<0.10	2	2.3	114	80-120

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

QC Batch:	937286	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK:	3715748	Matrix:	Water
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	06/05/25 20:32	

LABORATORY CONTROL SAMPLE:	3715749					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.8	115	80-120	

MATRIX SPIKE SAMPLE:	3715750						
		60475209001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.19	5	5.7	111	80-120	

MATRIX SPIKE SAMPLE:		3715752					
		60475209011	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	<0.10	5	5.4	108	80-120	

SAMPLE DUPLICATE:	3715751					
Parameter	Units	60475209003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.16	<0.10		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch:	936943	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012		

METHOD BLANK: 3714423 Matrix: Water
Associated Lab Samples: 60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008, 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	06/05/25 19:29	

LABORATORY CONTROL SAMPLE: 3714424						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.9	99	80-120	

MATRIX SPIKE SAMPLE:		3714425					
		60475099010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	5	5.5	105	80-120	

SAMPLE DUPLICATE: 3714426						
Parameter	Units	60475099010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch:	936707	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008		

METHOD BLANK:	3713374	Matrix:	Water
Associated Lab Samples:	60475209001, 60475209002, 60475209003, 60475209004, 60475209005, 60475209006, 60475209007, 60475209008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	05/29/25 16:08	

LABORATORY CONTROL SAMPLE: 3713375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.5	110	80-120	

MATRIX SPIKE SAMPLE: 3713376

Parameter	Units	60475099001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.3	5	6.1	96	80-120	H1

SAMPLE DUPLICATE: 3713377

Parameter	Units	60475099002 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	H1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

QC Batch: 938080 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475209009, 60475209010, 60475209011, 60475209012

METHOD BLANK: 3719000 Matrix: Water
Associated Lab Samples: 60475209009, 60475209010, 60475209011, 60475209012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	06/10/25 14:53	

LABORATORY CONTROL SAMPLE: 3719001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	4.8	97	80-120	

MATRIX SPIKE SAMPLE: 3719002

Parameter	Units	60475209009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	5	5.7	101	80-120	

SAMPLE DUPLICATE: 3719003

Parameter	Units	60475209009 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALIFIERS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1e	Dissolved > Total, >20% D
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475209001	LAC-MW-6-051325	EPA 200.7	935782	EPA 200.7	935857
60475209002	LAC-MW-7-051325	EPA 200.7	935782	EPA 200.7	935857
60475209003	LAC-MW-13-051325	EPA 200.7	935782	EPA 200.7	935857
60475209004	LAC-MW-14R-051325	EPA 200.7	935782	EPA 200.7	935857
60475209005	LAC-MW-15-051325	EPA 200.7	935782	EPA 200.7	935857
60475209006	LAC-MW-601-051325	EPA 200.7	935782	EPA 200.7	935857
60475209007	LAC-MW-602-051325	EPA 200.7	935782	EPA 200.7	935857
60475209008	LAC-MW-701-051325	EPA 200.7	935782	EPA 200.7	935857
60475209009	LAC-MW-702-051325	EPA 200.7	935782	EPA 200.7	935857
60475209010	LAC-MW-703-051325	EPA 200.7	935782	EPA 200.7	935857
60475209011	LAC-MW-704-051325	EPA 200.7	935782	EPA 200.7	935857
60475209012	LAC-DUP2-051325	EPA 200.7	935782	EPA 200.7	935857
60475209001	LAC-MW-6-051325	EPA 200.7	935976	EPA 200.7	936010
60475209002	LAC-MW-7-051325	EPA 200.7	935976	EPA 200.7	936010
60475209003	LAC-MW-13-051325	EPA 200.7	935976	EPA 200.7	936010
60475209004	LAC-MW-14R-051325	EPA 200.7	935976	EPA 200.7	936010
60475209005	LAC-MW-15-051325	EPA 200.7	935976	EPA 200.7	936010
60475209006	LAC-MW-601-051325	EPA 200.7	935976	EPA 200.7	936010
60475209007	LAC-MW-602-051325	EPA 200.7	935976	EPA 200.7	936010
60475209008	LAC-MW-701-051325	EPA 200.7	935976	EPA 200.7	936010
60475209009	LAC-MW-702-051325	EPA 200.7	935976	EPA 200.7	936010
60475209010	LAC-MW-703-051325	EPA 200.7	935976	EPA 200.7	936010
60475209011	LAC-MW-704-051325	EPA 200.7	935976	EPA 200.7	936010
60475209012	LAC-DUP2-051325	EPA 200.7	935976	EPA 200.7	936010
60475209001	LAC-MW-6-051325	EPA 3010	935972	EPA 6010	936007
60475209002	LAC-MW-7-051325	EPA 3010	935972	EPA 6010	936007
60475209003	LAC-MW-13-051325	EPA 3010	935972	EPA 6010	936007
60475209004	LAC-MW-14R-051325	EPA 3010	935972	EPA 6010	936007
60475209005	LAC-MW-15-051325	EPA 3010	935972	EPA 6010	936007
60475209006	LAC-MW-601-051325	EPA 3010	935972	EPA 6010	936007
60475209007	LAC-MW-602-051325	EPA 3010	935972	EPA 6010	936007
60475209008	LAC-MW-701-051325	EPA 3010	935972	EPA 6010	936007
60475209009	LAC-MW-702-051325	EPA 3010	935972	EPA 6010	936007
60475209010	LAC-MW-703-051325	EPA 3010	935972	EPA 6010	936007
60475209011	LAC-MW-704-051325	EPA 3010	935972	EPA 6010	936007
60475209012	LAC-DUP2-051325	EPA 3010	935972	EPA 6010	936007
60475209001	LAC-MW-6-051325	EPA 200.8	935813	EPA 200.8	935862
60475209002	LAC-MW-7-051325	EPA 200.8	935813	EPA 200.8	935862
60475209003	LAC-MW-13-051325	EPA 200.8	935813	EPA 200.8	935862
60475209004	LAC-MW-14R-051325	EPA 200.8	935813	EPA 200.8	935862
60475209005	LAC-MW-15-051325	EPA 200.8	935813	EPA 200.8	935862
60475209006	LAC-MW-601-051325	EPA 200.8	935813	EPA 200.8	935862
60475209007	LAC-MW-602-051325	EPA 200.8	935813	EPA 200.8	935862
60475209008	LAC-MW-701-051325	EPA 200.8	935813	EPA 200.8	935862
60475209009	LAC-MW-702-051325	EPA 200.8	935813	EPA 200.8	935862
60475209010	LAC-MW-703-051325	EPA 200.8	935813	EPA 200.8	935862
60475209011	LAC-MW-704-051325	EPA 200.8	935813	EPA 200.8	935862

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60475209

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475209012	LAC-DUP2-051325	EPA 200.8	935813	EPA 200.8	935862
60475209001	LAC-MW-6-051325	EPA 200.8	935973	EPA 200.8	936008
60475209002	LAC-MW-7-051325	EPA 200.8	935973	EPA 200.8	936008
60475209003	LAC-MW-13-051325	EPA 200.8	935973	EPA 200.8	936008
60475209004	LAC-MW-14R-051325	EPA 200.8	935973	EPA 200.8	936008
60475209005	LAC-MW-15-051325	EPA 200.8	935973	EPA 200.8	936008
60475209006	LAC-MW-601-051325	EPA 200.8	935973	EPA 200.8	936008
60475209007	LAC-MW-602-051325	EPA 200.8	935973	EPA 200.8	936008
60475209008	LAC-MW-701-051325	EPA 200.8	935973	EPA 200.8	936008
60475209009	LAC-MW-702-051325	EPA 200.8	935973	EPA 200.8	936008
60475209010	LAC-MW-703-051325	EPA 200.8	935973	EPA 200.8	936008
60475209011	LAC-MW-704-051325	EPA 200.8	935973	EPA 200.8	936008
60475209012	LAC-DUP2-051325	EPA 200.8	935973	EPA 200.8	936008
60475209001	LAC-MW-6-051325	SM 2320B	935842		
60475209002	LAC-MW-7-051325	SM 2320B	935842		
60475209003	LAC-MW-13-051325	SM 2320B	935842		
60475209004	LAC-MW-14R-051325	SM 2320B	935842		
60475209005	LAC-MW-15-051325	SM 2320B	935842		
60475209006	LAC-MW-601-051325	SM 2320B	935842		
60475209007	LAC-MW-602-051325	SM 2320B	935842		
60475209008	LAC-MW-701-051325	SM 2320B	935842		
60475209009	LAC-MW-702-051325	SM 2320B	935842		
60475209010	LAC-MW-703-051325	SM 2320B	935842		
60475209011	LAC-MW-704-051325	SM 2320B	935842		
60475209012	LAC-DUP2-051325	SM 2320B	935842		
60475209001	LAC-MW-6-051325	SM 3500-Fe B#4	935707		
60475209002	LAC-MW-7-051325	SM 3500-Fe B#4	935707		
60475209003	LAC-MW-13-051325	SM 3500-Fe B#4	935706		
60475209004	LAC-MW-14R-051325	SM 3500-Fe B#4	935706		
60475209005	LAC-MW-15-051325	SM 3500-Fe B#4	935706		
60475209006	LAC-MW-601-051325	SM 3500-Fe B#4	935707		
60475209007	LAC-MW-602-051325	SM 3500-Fe B#4	935706		
60475209008	LAC-MW-701-051325	SM 3500-Fe B#4	935707		
60475209009	LAC-MW-702-051325	SM 3500-Fe B#4	935707		
60475209010	LAC-MW-703-051325	SM 3500-Fe B#4	935707		
60475209011	LAC-MW-704-051325	SM 3500-Fe B#4	935707		
60475209012	LAC-DUP2-051325	SM 3500-Fe B#4	935707		
60475209001	LAC-MW-6-051325	SM 4500-S-2 D	935505		
60475209002	LAC-MW-7-051325	SM 4500-S-2 D	935505		
60475209003	LAC-MW-13-051325	SM 4500-S-2 D	935505		
60475209004	LAC-MW-14R-051325	SM 4500-S-2 D	935505		
60475209005	LAC-MW-15-051325	SM 4500-S-2 D	935505		
60475209006	LAC-MW-601-051325	SM 4500-S-2 D	935505		
60475209007	LAC-MW-602-051325	SM 4500-S-2 D	935505		
60475209008	LAC-MW-701-051325	SM 4500-S-2 D	935505		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475209009	LAC-MW-702-051325	SM 4500-S-2 D	935505		
60475209010	LAC-MW-703-051325	SM 4500-S-2 D	935505		
60475209011	LAC-MW-704-051325	SM 4500-S-2 D	935505		
60475209012	LAC-DUP2-051325	SM 4500-S-2 D	935505		
60475209001	LAC-MW-6-051325	EPA 300.0	935157		
60475209002	LAC-MW-7-051325	EPA 300.0	935157		
60475209003	LAC-MW-13-051325	EPA 300.0	935157		
60475209004	LAC-MW-14R-051325	EPA 300.0	935157		
60475209005	LAC-MW-15-051325	EPA 300.0	935157		
60475209006	LAC-MW-601-051325	EPA 300.0	935157		
60475209007	LAC-MW-602-051325	EPA 300.0	935157		
60475209008	LAC-MW-701-051325	EPA 300.0	935157		
60475209009	LAC-MW-702-051325	EPA 300.0	935157		
60475209010	LAC-MW-703-051325	EPA 300.0	935157		
60475209011	LAC-MW-704-051325	EPA 300.0	935157		
60475209012	LAC-DUP2-051325	EPA 300.0	935157		
60475209001	LAC-MW-6-051325	EPA 365.4	937286	EPA 365.4	937743
60475209002	LAC-MW-7-051325	EPA 365.4	937286	EPA 365.4	937743
60475209003	LAC-MW-13-051325	EPA 365.4	937286	EPA 365.4	937743
60475209004	LAC-MW-14R-051325	EPA 365.4	937286	EPA 365.4	937743
60475209005	LAC-MW-15-051325	EPA 365.4	937286	EPA 365.4	937743
60475209006	LAC-MW-601-051325	EPA 365.4	937286	EPA 365.4	937743
60475209007	LAC-MW-602-051325	EPA 365.4	937286	EPA 365.4	937743
60475209008	LAC-MW-701-051325	EPA 365.4	937286	EPA 365.4	937743
60475209009	LAC-MW-702-051325	EPA 365.4	937286	EPA 365.4	937743
60475209010	LAC-MW-703-051325	EPA 365.4	937286	EPA 365.4	937743
60475209011	LAC-MW-704-051325	EPA 365.4	937286	EPA 365.4	937743
60475209012	LAC-DUP2-051325	EPA 365.4	937286	EPA 365.4	937743
60475209001	LAC-MW-6-051325	SM 5310C	936943		
60475209002	LAC-MW-7-051325	SM 5310C	936943		
60475209003	LAC-MW-13-051325	SM 5310C	936943		
60475209004	LAC-MW-14R-051325	SM 5310C	936943		
60475209005	LAC-MW-15-051325	SM 5310C	936943		
60475209006	LAC-MW-601-051325	SM 5310C	936943		
60475209007	LAC-MW-602-051325	SM 5310C	936943		
60475209008	LAC-MW-701-051325	SM 5310C	936943		
60475209009	LAC-MW-702-051325	SM 5310C	936943		
60475209010	LAC-MW-703-051325	SM 5310C	936943		
60475209011	LAC-MW-704-051325	SM 5310C	936943		
60475209012	LAC-DUP2-051325	SM 5310C	936943		
60475209001	LAC-MW-6-051325	SM 5310C	936707		
60475209002	LAC-MW-7-051325	SM 5310C	936707		
60475209003	LAC-MW-13-051325	SM 5310C	936707		
60475209004	LAC-MW-14R-051325	SM 5310C	936707		
60475209005	LAC-MW-15-051325	SM 5310C	936707		
60475209006	LAC-MW-601-051325	SM 5310C	936707		
60475209007	LAC-MW-602-051325	SM 5310C	936707		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60475209

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475209008	LAC-MW-701-051325	SM 5310C	936707		
60475209009	LAC-MW-702-051325	SM 5310C	938080		
60475209010	LAC-MW-703-051325	SM 5310C	938080		
60475209011	LAC-MW-704-051325	SM 5310C	938080		
60475209012	LAC-DUP2-051325	SM 5310C	938080		

REPORT OF LABORATORY ANALYSIS

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WO#: 60475209



60475209

	DC#_Title: ENV-FRM-LENE-0009_Sample C	
	Revision: 2	Effective Date: 01/12/2022 Issued By: Lenexa

Client Name: EvergyCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☒ Bubble Bags ☐ Foam ☐ None ☐ Other ☐Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 3.9 Corr. Factor +0.1 Corrected 4.0Date and initials of person examining contents: PF 5/14

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	Cooler 1: <u>4.0</u> Cooler 2: <u>1.6</u>
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	Cooler 3: <u>3.5</u> Cooler 4: <u>3.8</u>
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>NOX</u>
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#: <u>96888</u>	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	<u>PF 5/14</u>
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	<u>PF 5/14</u>
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____



Pace* Location Requested (City/State):
Pace Analytical Kansas
9608 Loiret Blvd., Lenexa, KS 66219

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **Evergy_Haley & Aldrich**
Street Address: **818 S Kansas Avenue**
Topeka, KS 66612

Contact/Report To: **Jake Humphrey**
Phone #: **(913)634-0605**
E-Mail: **jake.humphrey@evergy.com**
Cc E-Mail: **skaney@haleyaldrich.com**

Customer Project #: **La Cygne CCR Wells -Additional Analyses**

Invoice To: **Lacygne-Evergy Payable**
Invoice E-Mail: **apinvoicing@evergy.com**
Purchase Order # (if applicable): **3000222251**
Quote #:

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [] AK [] PT [] MT [☒] CT [] ET

County / State origin of sample(s): **Kansas**

Data Deliverables:

[] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [☒] No

Rush (Pre-approval required):

[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

DW PWSID # or WW Permit # as applicable:

NA

Date Results Requested:

STD

Field Filtered (if applicable): [☒] Yes [] No

Analysis: **DOC**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		200.8 MET ICPMS	2320B Alkalinity, carb/bicarb	300.0 NO2NO3 (UNP, 48 HR HOLD)	365.4 Total Phosphorus	4500S2D Sulfide, Total	5310C Dissolved Organic Carbon (FF)	5310C TOC	Dissolved Metals (UNP, Lab Filter)	Iron, Ferrous			
			Date	Time	Date	Time		Results	Units												
LaC-MW-6-051325	GW	GRAB	-	-	5/13/2025	1545	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-7-051325	GW	GRAB	-	-	5/13/2025	1640	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-13-051325	GW	GRAB	-	-	5/13/2025	1130	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-14R-051325	GW	GRAB	-	-	5/13/2025	1035	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-15-051325	GW	GRAB	-	-	5/13/2025	1020	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-601-051325	GW	GRAB	-	-	5/13/2025	1210	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-602-051325	GW	GRAB	-	-	5/13/2025	1120	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-701-051325	GW	GRAB	-	-	5/13/2025	1415	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-702-051325	GW	GRAB	-	-	5/13/2025	1430	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-703-051325	GW	GRAB	-	-	5/13/2025	1340	11	-	-	X	X	X	X	X	X	X	X	X			

Additional Instructions from Pace*:

Total Metals: Mg, Na, K, Al, Fe, Mn, Hardness
Dissolved Metals: Li, Fe, Al, Mg, Mn

Collected By:
(Printed Name)

Jason R. Franks

Signature:

Jason R. Franks

Customer Remarks / Special Conditions / Possible Hazards:

Coolers:
4

Thermometer ID:

Correction Factor (°C):

Obs. Temp. (°C)

Corrected Temp. (°C)

On Ice:

Relinquished by/Company: (Signature)

Jason R. Franks / SCS

Date/Time:

05/14/2025 / 15:00

Received by/Company: (Signature)

K Pace

Date/Time:

5/14 1510

Tracking Number:

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Delivered by: [] In-Person [] Courier

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

[] FedEx [] UPS [] Other

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Page: **1** of **2**



Scan QR Code for instructions

LAB USE ONLY- Affix Workorder/Login Label Here

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Client:

Evergy

Profile/EZ #

EZ 3254316

Site:

La Cygne CCR - Wells

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	M	3											2							1	2			1			1					
2		3											2							1	2			1			1					
3		3											2							1	2			1			1					
4		3											2							1	2			1			1					
5		3											2							1	2			1			1					
6		3											2							1	2			1			1					
7		3											2							1	2			1			1					
8		3											2							1	2			1			1					
9		3											2							1	2			1			1					
10		3											2							1	2			1			1					
11		3											2							1	2			1			1					
12		3											2							1	2			1			1					

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

60475209

Work Order Number:



June 18, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne N&E Wells
Pace Project No.: 60475320

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in cursive script that reads 'Alice Spiller'.

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

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SAMPLE SUMMARY

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475320001	LAC-B-1-051425	Water	05/14/25 13:45	05/15/25 12:55
60475320002	LAC-B-2-051325	Water	05/13/25 17:45	05/15/25 12:55
60475320003	LAC-B-3-051425	Water	05/14/25 15:20	05/15/25 12:55
60475320004	LAC-B-4-051425	Water	05/14/25 10:45	05/15/25 12:55
60475320005	LAC-B-5-051425	Water	05/14/25 17:40	05/15/25 12:55
60475320006	LAC-MW-10D-051425	Water	05/14/25 11:50	05/15/25 12:55
60475320007	LAC-MW-707D-051325	Water	05/13/25 19:35	05/15/25 12:55
60475320008	LAC-N&E-DUP-051325	Water	05/13/25 17:45	05/15/25 12:55

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475320001	LAC-B-1-051425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
60475320002	LAC-B-2-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
60475320003	LAC-B-3-051425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475320004	LAC-B-4-051425	SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
60475320005	LAC-B-5-051425	SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
60475320006	LAC-MW-10D-051425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475320007	LAC-MW-707D-051325	EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
60475320008	LAC-N&E-DUP-051325	SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	AAA	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935894

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60474805001,60475280007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3709611)
 - Calcium
- MSD (Lab ID: 3709610)
 - Calcium

QC Batch: 935903

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475320002,60475332004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3709656)
 - Calcium
- MS (Lab ID: 3709658)
 - Calcium
- MSD (Lab ID: 3709657)
 - Boron

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

QC Batch: 935903

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475320002,60475332004

R1: RPD value was outside control limits.

- MSD (Lab ID: 3709657)
 - Boron
 - Calcium

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60475320

Method: EPA 6010
Description: 6010 MET ICP
Client: Evergy_Haley & Aldrich
Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60475320

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60475320

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: SM 3500-Fe B#4

Description: Iron, Ferrous

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-1-051425 (Lab ID: 60475320001)
- LAC-B-3-051425 (Lab ID: 60475320003)
- LAC-B-5-051425 (Lab ID: 60475320005)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-B-2-051325 (Lab ID: 60475320002)
- LAC-B-4-051425 (Lab ID: 60475320004)
- LAC-MW-10D-051425 (Lab ID: 60475320006)
- LAC-MW-707D-051325 (Lab ID: 60475320007)
- LAC-N&E-DUP-051325 (Lab ID: 60475320008)

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-B-1-051425 (Lab ID: 60475320001)
- LAC-B-2-051325 (Lab ID: 60475320002)
- LAC-B-3-051425 (Lab ID: 60475320003)
- LAC-B-4-051425 (Lab ID: 60475320004)
- LAC-B-5-051425 (Lab ID: 60475320005)
- LAC-MW-10D-051425 (Lab ID: 60475320006)
- LAC-MW-707D-051325 (Lab ID: 60475320007)
- LAC-N&E-DUP-051325 (Lab ID: 60475320008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-1-051425 (Lab ID: 60475320001)
- LAC-B-3-051425 (Lab ID: 60475320003)
- LAC-B-5-051425 (Lab ID: 60475320005)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-B-2-051325 (Lab ID: 60475320002)
- LAC-B-4-051425 (Lab ID: 60475320004)
- LAC-MW-10D-051425 (Lab ID: 60475320006)
- LAC-MW-707D-051325 (Lab ID: 60475320007)
- LAC-N&E-DUP-051325 (Lab ID: 60475320008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60475320

Method: SM 4500-S-2 D
Description: 4500S2D Sulfide, Total
Client: Evergy_Haley & Aldrich
Date: June 18, 2025

General Information:

8 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-2-051325 (Lab ID: 60475320002)
- LAC-B-3-051425 (Lab ID: 60475320003)
- LAC-MW-707D-051325 (Lab ID: 60475320007)
- LAC-N&E-DUP-051325 (Lab ID: 60475320008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-707D-051325 (Lab ID: 60475320007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 937863

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475320002,60475332007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3718402)
 - Chloride
 - Fluoride
- MS (Lab ID: 3718404)
 - Fluoride
- MSD (Lab ID: 3718403)
 - Chloride
 - Fluoride

Additional Comments:

Analyte Comments:

QC Batch: 937863

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3718402)
 - Chloride
- MS (Lab ID: 3718404)
 - Chloride
- MSD (Lab ID: 3718403)
 - Chloride

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

Analyte Comments:

QC Batch: 938086

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3719038)
- Chloride

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: SM 5310C

Description: 5310C TOC

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Method: SM 5310C

Description: 5310C Dissolved Organic Carbon

Client: Evergy_Haley & Aldrich

Date: June 18, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 938126

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3719311)
- Dissolved Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-1-051425		Lab ID: 60475320001	Collected: 05/14/25 13:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.0	mg/L	0.10	1	05/21/25 14:27	06/06/25 20:56	7440-42-8	
Calcium, Total Recoverable	28.2	mg/L	0.20	1	05/21/25 14:27	06/06/25 20:56	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.11	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:16	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.12	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:06	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:06	7440-43-9	
Cobalt, Total Recoverable	0.0072	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:06	7440-48-4	
Lead, Total Recoverable	0.0014	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:06	7439-92-1	
Molybdenum, Total Recoverable	0.0094	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:06	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 09:55	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1170	mg/L	20.0	1		05/21/25 17:36		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	3.5	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H1,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.7	Std. Units	0.10	1		05/16/25 19:36		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	0.39	mg/L	0.050	1		05/19/25 13:55	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.86	mg/L	0.10	1		05/16/25 10:22	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 10:22	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	39.5	mg/L	10.0	10		06/10/25 10:34	16887-00-6	
Fluoride	0.30	mg/L	0.20	1		06/10/25 10:20	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-1-051425		Lab ID: 60475320001		Collected: 05/14/25 13:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	73.7	mg/L	10.0	10		06/10/25 10:34	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.84	mg/L	0.50	1	06/05/25 14:00	06/05/25 21:28	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	4.7	mg/L	1.0	1		06/06/25 01:15	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	2.4	mg/L	1.0	1		06/11/25 08:33			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-2-051325		Lab ID: 60475320002	Collected: 05/13/25 17:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	0.24	mg/L	0.10	1	05/21/25 14:27	06/06/25 20:58	7440-42-8	M1,R1
Calcium, Total Recoverable	19.5	mg/L	0.20	1	05/21/25 14:27	06/06/25 20:58	7440-70-2	M1,R1
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.048	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:18	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.20	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:16	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:16	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:16	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:16	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:16	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 09:57	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	558	mg/L	10.0	1		05/20/25 15:40		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.8	Std. Units	0.10	1		05/16/25 19:35		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.11	mg/L	0.10	1		05/16/25 13:22	14797-55-8	H1
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 13:22	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	25.4	mg/L	10.0	10		06/10/25 01:33	16887-00-6	M1
Fluoride	<0.20	mg/L	0.20	1		06/10/25 00:53	16984-48-8	M1

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-2-051325		Lab ID: 60475320002		Collected: 05/13/25 17:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	47.7	mg/L	10.0	10		06/10/25 01:33	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.13	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:30	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.6	mg/L	1.0	1		06/06/25 01:30	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.4	mg/L	1.0	1		06/10/25 20:00			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-3-051425		Lab ID: 60475320003		Collected: 05/14/25 15:20		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.95	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:04	7440-42-8		
Calcium, Total Recoverable	301	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:04	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.26	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:20	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	1.1	mg/L	0.0050	5	05/21/25 11:37	05/30/25 15:19	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 16:54	7440-43-9		
Cobalt, Total Recoverable	0.067	mg/L	0.0050	5	05/21/25 11:37	05/30/25 15:19	7440-48-4		
Lead, Total Recoverable	0.017	mg/L	0.0050	5	05/21/25 11:37	05/30/25 15:19	7439-92-1		
Molybdenum, Total Recoverable	0.0077	mg/L	0.0050	5	05/21/25 11:37	05/30/25 15:19	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:00	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1750	mg/L	40.0	1		05/21/25 17:36			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	10.1	mg/L	1.0	1		05/22/25 14:16	15438-31-0	H1,H6	
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:36		H1	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.51	mg/L	0.050	1		05/19/25 13:55	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	8.8	mg/L	0.50	5		05/17/25 20:06	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 11:31	14797-65-0		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	149	mg/L	10.0	10		06/10/25 12:51	16887-00-6		
Fluoride	0.41	mg/L	0.20	1		06/10/25 13:24	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-3-051425		Lab ID: 60475320003		Collected: 05/14/25 15:20		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	53.3	mg/L	10.0	10		06/10/25 12:51	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	11.4	mg/L	0.50	1	06/05/25 14:00	06/05/25 21:33	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.6	mg/L	1.0	1		06/06/25 01:44	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.4	mg/L	1.0	1		06/11/25 08:53			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-4-051425		Lab ID: 60475320004	Collected: 05/14/25 10:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	0.76	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:06	7440-42-8	
Calcium, Total Recoverable	54.6	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:06	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.14	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:22	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.52	mg/L	0.0030	3	05/21/25 11:37	05/30/25 15:21	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 16:59	7440-43-9	
Cobalt, Total Recoverable	0.046	mg/L	0.0030	3	05/21/25 11:37	05/30/25 15:21	7440-48-4	
Lead, Total Recoverable	0.018	mg/L	0.0030	3	05/21/25 11:37	05/30/25 15:21	7439-92-1	
Molybdenum, Total Recoverable	0.0046	mg/L	0.0030	3	05/21/25 11:37	05/30/25 15:21	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:02	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	701	mg/L	13.3	1		05/21/25 17:36		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	102	mg/L	5.0	1		05/22/25 14:16	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:36		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	0.71	mg/L	0.050	1		05/19/25 13:55	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		05/16/25 08:45	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 08:45	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	98.9	mg/L	10.0	10		06/10/25 14:52	16887-00-6	
Fluoride	0.45	mg/L	0.20	1		06/10/25 14:42	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-4-051425		Lab ID: 60475320004		Collected: 05/14/25 10:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	25.2	mg/L	10.0	10		06/10/25 14:52	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	1.8	mg/L	0.50	1	06/05/25 14:00	06/05/25 21:51	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.0	mg/L	1.0	1		06/06/25 01:59	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		06/11/25 09:12			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-5-051425		Lab ID: 60475320005	Collected: 05/14/25 17:40		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.7	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:08	7440-42-8	
Calcium, Total Recoverable	66.9	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:08	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.082	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:24	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.20	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:23	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:23	7440-43-9	
Cobalt, Total Recoverable	0.0058	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:23	7440-48-4	
Lead, Total Recoverable	0.0023	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:23	7439-92-1	
Molybdenum, Total Recoverable	0.0012	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:23	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:09	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	801	mg/L	13.3	1		05/21/25 17:36		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	7.8	mg/L	1.0	1		05/22/25 14:16	15438-31-0	H1,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		05/16/25 19:36		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	0.47	mg/L	0.050	1		05/19/25 13:55	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		05/16/25 11:17	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 11:17	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	24.8	mg/L	10.0	10		06/10/25 15:37	16887-00-6	
Fluoride	0.34	mg/L	0.20	1		06/10/25 15:25	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-B-5-051425		Lab ID: 60475320005		Collected: 05/14/25 17:40		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	31.5	mg/L	10.0	10		06/10/25 15:37	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	1.7	mg/L	0.50	1	06/05/25 14:00	06/05/25 21:54	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.3	mg/L	1.0	1		06/06/25 03:11	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.2	mg/L	1.0	1		06/11/25 09:32			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-MW-10D-051425		Lab ID: 60475320006	Collected: 05/14/25 11:50		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	2.2	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:15	7440-42-8	
Calcium, Total Recoverable	26.6	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:15	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.056	mg/L	0.010	1	05/21/25 11:37	06/04/25 11:36	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.40	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:29	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:29	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:29	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:29	7439-92-1	
Molybdenum, Total Recoverable	0.0076	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:29	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:11	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	608	mg/L	13.3	1		05/21/25 17:37		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	8.2	Std. Units	0.10	1		05/16/25 19:36		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		05/19/25 13:55	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		05/16/25 09:13	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 09:13	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	57.9	mg/L	10.0	10		06/10/25 15:59	16887-00-6	
Fluoride	1.2	mg/L	0.20	1		06/10/25 15:48	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-MW-10D-051425		Lab ID: 60475320006		Collected: 05/14/25 11:50		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	4.4	mg/L	1.0	1			06/10/25 15:48	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:56		7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.1	mg/L	1.0	1			06/06/25 03:40	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			06/11/25 09:52		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-MW-707D-051325		Lab ID: 60475320007		Collected: 05/13/25 19:35		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.6	mg/L	0.10	1	05/21/25 10:30	06/03/25 18:30	7440-42-8		
Calcium, Total Recoverable	24.9	mg/L	0.20	1	05/21/25 10:30	06/03/25 18:30	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.18	mg/L	0.010	1	05/21/25 11:37	06/04/25 11:44	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.89	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:31	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:31	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:31	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:31	7439-92-1		
Molybdenum, Total Recoverable	0.0052	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:31	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:13	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2250	mg/L	100	1		05/20/25 15:40			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.30	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	1		05/16/25 19:36		H3	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		05/16/25 13:36	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 13:36	14797-65-0	H1	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	667	mg/L	100	100		06/11/25 00:34	16887-00-6	H1	
Fluoride	0.31	mg/L	0.20	1		06/10/25 02:12	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-MW-707D-051325		Lab ID: 60475320007		Collected: 05/13/25 19:35		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	8.3	mg/L	1.0	1		06/10/25 02:12	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.12	mg/L	0.10	1	06/05/25 14:00	06/05/25 21:58	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/06/25 03:54	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		06/10/25 19:40			

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-N&E-DUP-051325		Lab ID: 60475320008		Collected: 05/13/25 17:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City								
Boron, Total Recoverable	0.29	mg/L	0.10	1	05/21/25 10:30	06/03/25 18:37	7440-42-8		
Calcium, Total Recoverable	27.0	mg/L	0.20	1	05/21/25 10:30	06/03/25 18:37	7440-70-2		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City								
Lithium, Total Recoverable	0.044	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:26	7439-93-2		
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City								
Barium, Total Recoverable	0.20	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:34	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:34	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:34	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:34	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:34	7439-98-7		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City								
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:16	7439-97-6		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Kansas City								
Total Dissolved Solids	552	mg/L	13.3	1		05/20/25 15:41			
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	<0.20	mg/L	0.20	1		05/22/25 14:16	15438-31-0	H3,H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.8	Std. Units	0.10	1		05/16/25 19:36		H3	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		05/17/25 13:35	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	0.11	mg/L	0.10	1		05/16/25 13:50	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		05/16/25 13:50	14797-65-0	H1	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	27.7	mg/L	10.0	10		06/10/25 03:17	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/10/25 03:04	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Sample: LAC-N&E-DUP-051325		Lab ID: 60475320008		Collected: 05/13/25 17:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Sulfate	51.7	mg/L	10.0	10		06/10/25 03:17	14808-79-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.11	mg/L	0.10	1	06/05/25 14:00	06/05/25 22:01	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	2.3	mg/L	1.0	1		06/06/25 04:23	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	2.2	mg/L	1.0	1		06/10/25 20:20			

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch:	936132	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

METHOD BLANK:	3710906	Matrix:	Water
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Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	05/27/25 09:41	

LABORATORY CONTROL SAMPLE:		3710907				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3710908		3710909						
		60475281001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Parameter	Units	Result											
Mercury	ug/L	ND	5	5	5.1	4.8	101	96	70-130	6	20		

MATRIX SPIKE SAMPLE:		3710910					
		60475320008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.20	5	4.7	93	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 935894 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320007, 60475320008

METHOD BLANK: 3709607 Matrix: Water

Associated Lab Samples: 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/03/25 17:53	
Calcium	mg/L	<0.20	0.20	06/03/25 17:53	

LABORATORY CONTROL SAMPLE: 3709608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.92	92	85-115	
Calcium	mg/L	10	10.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709609 3709610

Parameter	Units	60474805001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	56.5J ug/L	1	1	1.0	0.98	97	92	70-130	5	20	
Calcium	mg/L	177000 ug/L	10	10	186	176	93	-8	70-130	6	20 M1	

MATRIX SPIKE SAMPLE: 3709611

Parameter	Units	60475280007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	126 ug/L	1	1.1	96	70-130	
Calcium	mg/L	128000 ug/L	10	143	152	70-130 M1	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 935903 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006

METHOD BLANK: 3709654 Matrix: Water
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/06/25 20:53	
Calcium	mg/L	<0.20	0.20	06/06/25 20:53	

LABORATORY CONTROL SAMPLE: 3709655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.89	89	85-115	
Calcium	mg/L	10	9.4	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709656 3709657

Parameter	Units	60475320002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.24	1	4	1.2	2.2	96	49	70-130	59	20	M1, R1
Calcium	mg/L	19.5	10	40	35.7	63.4	162	110	70-130	56	20	M1, R1

MATRIX SPIKE SAMPLE: 3709658

Parameter	Units	60475332004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.73	1	1.6	88	70-130	
Calcium	mg/L	51.2	10	57.4	62	70-130	M1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch:	935901	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008		

METHOD BLANK: 3709643

Matrix: Water

Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/L	<0.0010	0.0010	05/30/25 15:02	
Cadmium	mg/L	<0.00050	0.00050	05/30/25 15:02	
Cobalt	mg/L	<0.0010	0.0010	05/30/25 15:02	
Lead	mg/L	<0.0010	0.0010	05/30/25 15:02	
Molybdenum	mg/L	<0.0010	0.0010	05/30/25 15:02	

LABORATORY CONTROL SAMPLE: 3709644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.04	0.039	98	85-115	
Cadmium	mg/L	0.04	0.041	102	85-115	
Cobalt	mg/L	0.04	0.041	103	85-115	
Lead	mg/L	0.04	0.039	99	85-115	
Molybdenum	mg/L	0.04	0.040	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709645 3709646

Parameter	Units	60475320001		MS		MSD		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Conc.	% Rec	Conc.	Limits	RPD	RPD	Qual
Barium	mg/L	0.12	0.04	0.04	0.04	0.16	0.16	108	104	70-130	1	20							
Cadmium	mg/L	<0.00050	0.04	0.04	0.04	0.038	0.037	94	93	70-130	1	20							
Cobalt	mg/L	0.0072	0.04	0.04	0.04	0.049	0.049	104	103	70-130	0	20							
Lead	mg/L	0.0014	0.04	0.04	0.04	0.043	0.042	105	103	70-130	2	20							
Molybdenum	mg/L	0.0094	0.04	0.04	0.04	0.049	0.049	100	99	70-130	0	20							

MATRIX SPIKE SAMPLE: 3709647

Parameter	Units	60475332003	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.017	0.04	0.058	103	70-130	
Cadmium	mg/L	<0.00050	0.04	0.036	91	70-130	
Cobalt	mg/L	<0.0010	0.04	0.043	108	70-130	
Lead	mg/L	<0.0010	0.04	0.042	104	70-130	
Molybdenum	mg/L	<0.0010	0.04	0.042	105	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 935890

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320006, 60475320007

METHOD BLANK: 3709591

Matrix: Water

Associated Lab Samples: 60475320006, 60475320007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	06/04/25 11:00	

LABORATORY CONTROL SAMPLE: 3709592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709593 3709594

Parameter	Units	60475211021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	103 ug/L	1	1	1.1	1.1	102	98	75-125	4	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 935957 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320008

METHOD BLANK: 3710031 Matrix: Water
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	06/06/25 19:13	

LABORATORY CONTROL SAMPLE: 3710032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.92	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710034 3710035

Parameter	Units	60475332009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.057	1	1	1.0	0.91	97	85	75-125	12	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 935683

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320002, 60475320007, 60475320008

METHOD BLANK: 3708833

Matrix: Water

Associated Lab Samples: 60475320002, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	05/20/25 15:39	

LABORATORY CONTROL SAMPLE: 3708834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	964	96	80-120	

SAMPLE DUPLICATE: 3708835

Parameter	Units	60475232008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	422	428	1	10	

SAMPLE DUPLICATE: 3708836

Parameter	Units	60475320002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	558	561	1	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 935856

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

METHOD BLANK: 3709503

Matrix: Water

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	05/21/25 17:33	

LABORATORY CONTROL SAMPLE: 3709504

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	974	97	80-120	

SAMPLE DUPLICATE: 3709505

Parameter	Units	60475203001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1980	2000	1	10	

SAMPLE DUPLICATE: 3709506

Parameter	Units	60475475003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	823	821	0	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch:	935707	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008		

METHOD BLANK:	3708882	Matrix:	Water
Associated Lab Samples:	60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	05/22/25 14:16	H6

LABORATORY CONTROL SAMPLE:	3708883					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	1.9	94	90-110	H6

SAMPLE DUPLICATE:	3708884					
Parameter	Units	60475209006 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H3,H6

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 935443

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

SAMPLE DUPLICATE: 3707922

Parameter	Units	60475395001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.1	0	5	H3

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 935505 Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320002, 60475320007, 60475320008

METHOD BLANK: 3708301 Matrix: Water
Associated Lab Samples: 60475320002, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	05/17/25 13:35	

LABORATORY CONTROL SAMPLE: 3708302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.54	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3708304 3708305

Parameter	Units	60475384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.52	0.53	102	106	75-125	3	20	

SAMPLE DUPLICATE: 3708303

Parameter	Units	60475384001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

SAMPLE DUPLICATE: 3708306

Parameter	Units	60475384002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 935549

Analysis Method: SM 4500-S-2 D

QC Batch Method: SM 4500-S-2 D

Analysis Description: 4500S2D Sulfide, Total

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

METHOD BLANK: 3708455

Matrix: Water

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	05/19/25 13:55	

LABORATORY CONTROL SAMPLE: 3708456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.50	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3708458 3708459

Parameter	Units	60475475001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.50	0.51	100	101	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3708461 3708462

Parameter	Units	60475475003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.49	0.49	97	96	75-125	0	20	

SAMPLE DUPLICATE: 3708457

Parameter	Units	60475475001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

SAMPLE DUPLICATE: 3708460

Parameter	Units	60475475003 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch:	935257	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008		

METHOD BLANK: 3706833 Matrix: Water
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	05/16/25 04:27	
Nitrite as N	mg/L	<0.10	0.10	05/16/25 04:27	

LABORATORY CONTROL SAMPLE: 3706834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	98	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3706835 3706836

Parameter	Units	60475286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	17.1	20	20	39.0	38.5	109	107	80-120	1	15	H1
Nitrite as N	mg/L	ND	2	2	1.9	2.0	95	97	80-120	2	15	

MATRIX SPIKE SAMPLE: 3707294

Parameter	Units	60475286005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L		5.3	4	9.8	112	80-120 H1
Nitrite as N	mg/L		ND	2	1.9	95	80-120

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 937863

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320002, 60475320007, 60475320008

METHOD BLANK: 3718400

Matrix: Water

Associated Lab Samples: 60475320001, 60475320002, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	06/10/25 00:27	
Fluoride	mg/L	<0.20	0.20	06/10/25 00:27	
Sulfate	mg/L	<1.0	1.0	06/10/25 00:27	

LABORATORY CONTROL SAMPLE: 3718401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	5	5.1	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718402 3718403

Parameter	Units	60475320002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.4	50	50	208	208	365	365	80-120	0	15	E, H1, M1
Fluoride	mg/L	<0.20	2.5	2.5	1.7	1.9	67	75	80-120	11	15	M1
Sulfate	mg/L	47.7	50	50	106	107	116	119	80-120	1	15	H1

MATRIX SPIKE SAMPLE: 3718404

Parameter	Units	60475332007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	16.6	5	21.1	92	80-120	E
Fluoride	mg/L	0.76	2.5	2.7	79	80-120	M1
Sulfate	mg/L	27.5	50	75.4	96	80-120	H1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 938086

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320003, 60475320004, 60475320005, 60475320006

METHOD BLANK: 3719036

Matrix: Water

Associated Lab Samples: 60475320003, 60475320004, 60475320005, 60475320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	06/10/25 11:04	
Fluoride	mg/L	<0.20	0.20	06/10/25 11:04	
Sulfate	mg/L	<1.0	1.0	06/10/25 11:04	

LABORATORY CONTROL SAMPLE: 3719037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	99	90-110	
Fluoride	mg/L	2.5	2.3	91	90-110	
Sulfate	mg/L	5	4.9	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3719038

3719039

Parameter	Units	60475320003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	149	50	50	207	197	116	96	80-120	5	15	E
Fluoride	mg/L	0.41	2.5	2.5	2.8	2.6	96	89	80-120	6	15	
Sulfate	mg/L	53.3	50	50	107	97.9	107	89	80-120	8	15	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch:	937286	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008		

METHOD BLANK: 3715748 Matrix: Water
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004, 60475320005, 60475320006, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	06/05/25 20:32	

LABORATORY CONTROL SAMPLE: 3715749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.8	115	80-120	

MATRIX SPIKE SAMPLE: 3715750

Parameter	Units	60475209001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.19	5	5.7	111	80-120	

MATRIX SPIKE SAMPLE: 3715752

Parameter	Units	60475209011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	<0.10	5	5.4	108	80-120	

SAMPLE DUPLICATE: 3715751

Parameter	Units	60475209003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.16	<0.10		10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 936943 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004

METHOD BLANK: 3714423 Matrix: Water
Associated Lab Samples: 60475320001, 60475320002, 60475320003, 60475320004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	06/05/25 19:29	

LABORATORY CONTROL SAMPLE: 3714424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.9	99	80-120	

MATRIX SPIKE SAMPLE: 3714425

Parameter	Units	60475099010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	5	5.5	105	80-120	

SAMPLE DUPLICATE: 3714426

Parameter	Units	60475099010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 936945 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320005, 60475320006, 60475320007, 60475320008

METHOD BLANK: 3714427 Matrix: Water
Associated Lab Samples: 60475320005, 60475320006, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	06/06/25 02:42	

LABORATORY CONTROL SAMPLE: 3714428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.2	104	80-120	

MATRIX SPIKE SAMPLE: 3714429

Parameter	Units	60475320005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	5	6.6	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3714431 3714432

Parameter	Units	60475407008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	5	5	6.3	6.2	107	105	80-120	1	25	

SAMPLE DUPLICATE: 3714430

Parameter	Units	60475320005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.3	<1.0		25	

SAMPLE DUPLICATE: 3714433

Parameter	Units	60475407008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	ND	<1.0		25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60475320

QC Batch: 938080 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475320002, 60475320007, 60475320008

METHOD BLANK: 3719000 Matrix: Water
Associated Lab Samples: 60475320002, 60475320007, 60475320008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	06/10/25 14:53	

LABORATORY CONTROL SAMPLE: 3719001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	4.8	97	80-120	

MATRIX SPIKE SAMPLE: 3719002

Parameter	Units	60475209009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	5	5.7	101	80-120	

SAMPLE DUPLICATE: 3719003

Parameter	Units	60475209009 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60475320

QC Batch: 938126

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Dissolved Organic Carbon

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

METHOD BLANK: 3719308

Matrix: Water

Associated Lab Samples: 60475320001, 60475320003, 60475320004, 60475320005, 60475320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	06/11/25 04:17	

LABORATORY CONTROL SAMPLE: 3719309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	4.8	96	80-120	

MATRIX SPIKE SAMPLE: 3719310

Parameter	Units	60475395002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.1	5	6.2	82	80-120	

SAMPLE DUPLICATE: 3719311

Parameter	Units	60475395006 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	19.3	19.7	2	25	D6

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QUALIFIERS

Project: La Cygne N&E Wells

Pace Project No.: 60475320

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the EPA method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475320001	LAC-B-1-051425	EPA 200.7	935903	EPA 200.7	936011
60475320002	LAC-B-2-051325	EPA 200.7	935903	EPA 200.7	936011
60475320003	LAC-B-3-051425	EPA 200.7	935903	EPA 200.7	936011
60475320004	LAC-B-4-051425	EPA 200.7	935903	EPA 200.7	936011
60475320005	LAC-B-5-051425	EPA 200.7	935903	EPA 200.7	936011
60475320006	LAC-MW-10D-051425	EPA 200.7	935903	EPA 200.7	936011
60475320007	LAC-MW-707D-051325	EPA 200.7	935894	EPA 200.7	935991
60475320008	LAC-N&E-DUP-051325	EPA 200.7	935894	EPA 200.7	935991
60475320001	LAC-B-1-051425	EPA 3010	935957	EPA 6010	936145
60475320002	LAC-B-2-051325	EPA 3010	935957	EPA 6010	936145
60475320003	LAC-B-3-051425	EPA 3010	935957	EPA 6010	936145
60475320004	LAC-B-4-051425	EPA 3010	935957	EPA 6010	936145
60475320005	LAC-B-5-051425	EPA 3010	935957	EPA 6010	936145
60475320006	LAC-MW-10D-051425	EPA 3010	935890	EPA 6010	936002
60475320007	LAC-MW-707D-051325	EPA 3010	935890	EPA 6010	936002
60475320008	LAC-N&E-DUP-051325	EPA 3010	935957	EPA 6010	936145
60475320001	LAC-B-1-051425	EPA 200.8	935901	EPA 200.8	936001
60475320002	LAC-B-2-051325	EPA 200.8	935901	EPA 200.8	936001
60475320003	LAC-B-3-051425	EPA 200.8	935901	EPA 200.8	936001
60475320004	LAC-B-4-051425	EPA 200.8	935901	EPA 200.8	936001
60475320005	LAC-B-5-051425	EPA 200.8	935901	EPA 200.8	936001
60475320006	LAC-MW-10D-051425	EPA 200.8	935901	EPA 200.8	936001
60475320007	LAC-MW-707D-051325	EPA 200.8	935901	EPA 200.8	936001
60475320008	LAC-N&E-DUP-051325	EPA 200.8	935901	EPA 200.8	936001
60475320001	LAC-B-1-051425	EPA 245.1	936132	EPA 245.1	936161
60475320002	LAC-B-2-051325	EPA 245.1	936132	EPA 245.1	936161
60475320003	LAC-B-3-051425	EPA 245.1	936132	EPA 245.1	936161
60475320004	LAC-B-4-051425	EPA 245.1	936132	EPA 245.1	936161
60475320005	LAC-B-5-051425	EPA 245.1	936132	EPA 245.1	936161
60475320006	LAC-MW-10D-051425	EPA 245.1	936132	EPA 245.1	936161
60475320007	LAC-MW-707D-051325	EPA 245.1	936132	EPA 245.1	936161
60475320008	LAC-N&E-DUP-051325	EPA 245.1	936132	EPA 245.1	936161
60475320001	LAC-B-1-051425	SM 2540C	935856		
60475320002	LAC-B-2-051325	SM 2540C	935683		
60475320003	LAC-B-3-051425	SM 2540C	935856		
60475320004	LAC-B-4-051425	SM 2540C	935856		
60475320005	LAC-B-5-051425	SM 2540C	935856		
60475320006	LAC-MW-10D-051425	SM 2540C	935856		
60475320007	LAC-MW-707D-051325	SM 2540C	935683		
60475320008	LAC-N&E-DUP-051325	SM 2540C	935683		
60475320001	LAC-B-1-051425	SM 3500-Fe B#4	935707		
60475320002	LAC-B-2-051325	SM 3500-Fe B#4	935707		
60475320003	LAC-B-3-051425	SM 3500-Fe B#4	935707		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475320004	LAC-B-4-051425	SM 3500-Fe B#4	935707		
60475320005	LAC-B-5-051425	SM 3500-Fe B#4	935707		
60475320006	LAC-MW-10D-051425	SM 3500-Fe B#4	935707		
60475320007	LAC-MW-707D-051325	SM 3500-Fe B#4	935707		
60475320008	LAC-N&E-DUP-051325	SM 3500-Fe B#4	935707		
60475320001	LAC-B-1-051425	SM 4500-H+B	935443		
60475320002	LAC-B-2-051325	SM 4500-H+B	935443		
60475320003	LAC-B-3-051425	SM 4500-H+B	935443		
60475320004	LAC-B-4-051425	SM 4500-H+B	935443		
60475320005	LAC-B-5-051425	SM 4500-H+B	935443		
60475320006	LAC-MW-10D-051425	SM 4500-H+B	935443		
60475320007	LAC-MW-707D-051325	SM 4500-H+B	935443		
60475320008	LAC-N&E-DUP-051325	SM 4500-H+B	935443		
60475320001	LAC-B-1-051425	SM 4500-S-2 D	935549		
60475320002	LAC-B-2-051325	SM 4500-S-2 D	935505		
60475320003	LAC-B-3-051425	SM 4500-S-2 D	935549		
60475320004	LAC-B-4-051425	SM 4500-S-2 D	935549		
60475320005	LAC-B-5-051425	SM 4500-S-2 D	935549		
60475320006	LAC-MW-10D-051425	SM 4500-S-2 D	935549		
60475320007	LAC-MW-707D-051325	SM 4500-S-2 D	935505		
60475320008	LAC-N&E-DUP-051325	SM 4500-S-2 D	935505		
60475320001	LAC-B-1-051425	EPA 300.0	935257		
60475320002	LAC-B-2-051325	EPA 300.0	935257		
60475320003	LAC-B-3-051425	EPA 300.0	935257		
60475320004	LAC-B-4-051425	EPA 300.0	935257		
60475320005	LAC-B-5-051425	EPA 300.0	935257		
60475320006	LAC-MW-10D-051425	EPA 300.0	935257		
60475320007	LAC-MW-707D-051325	EPA 300.0	935257		
60475320008	LAC-N&E-DUP-051325	EPA 300.0	935257		
60475320001	LAC-B-1-051425	EPA 300.0	937863		
60475320002	LAC-B-2-051325	EPA 300.0	937863		
60475320003	LAC-B-3-051425	EPA 300.0	938086		
60475320004	LAC-B-4-051425	EPA 300.0	938086		
60475320005	LAC-B-5-051425	EPA 300.0	938086		
60475320006	LAC-MW-10D-051425	EPA 300.0	938086		
60475320007	LAC-MW-707D-051325	EPA 300.0	937863		
60475320008	LAC-N&E-DUP-051325	EPA 300.0	937863		
60475320001	LAC-B-1-051425	EPA 365.4	937286	EPA 365.4	937743
60475320002	LAC-B-2-051325	EPA 365.4	937286	EPA 365.4	937743
60475320003	LAC-B-3-051425	EPA 365.4	937286	EPA 365.4	937743
60475320004	LAC-B-4-051425	EPA 365.4	937286	EPA 365.4	937743
60475320005	LAC-B-5-051425	EPA 365.4	937286	EPA 365.4	937743
60475320006	LAC-MW-10D-051425	EPA 365.4	937286	EPA 365.4	937743
60475320007	LAC-MW-707D-051325	EPA 365.4	937286	EPA 365.4	937743

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60475320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475320008	LAC-N&E-DUP-051325	EPA 365.4	937286	EPA 365.4	937743
60475320001	LAC-B-1-051425	SM 5310C	936943		
60475320002	LAC-B-2-051325	SM 5310C	936943		
60475320003	LAC-B-3-051425	SM 5310C	936943		
60475320004	LAC-B-4-051425	SM 5310C	936943		
60475320005	LAC-B-5-051425	SM 5310C	936945		
60475320006	LAC-MW-10D-051425	SM 5310C	936945		
60475320007	LAC-MW-707D-051325	SM 5310C	936945		
60475320008	LAC-N&E-DUP-051325	SM 5310C	936945		
60475320001	LAC-B-1-051425	SM 5310C	938126		
60475320002	LAC-B-2-051325	SM 5310C	938080		
60475320003	LAC-B-3-051425	SM 5310C	938126		
60475320004	LAC-B-4-051425	SM 5310C	938126		
60475320005	LAC-B-5-051425	SM 5310C	938126		
60475320006	LAC-MW-10D-051425	SM 5310C	938126		
60475320007	LAC-MW-707D-051325	SM 5310C	938080		
60475320008	LAC-N&E-DUP-051325	SM 5310C	938080		

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DC#_Title: ENV-FRM-LENE-0009_Sam

Revision: 2

Effective Date: 01/12/2

WO# : 60475320



60475320

Client Name: Energy Haley and AldrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T-301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 2.5, 4.6 Corr. Factor +0.1 Corrected 2.6, 4.7Date and initials of person examining contents: 1/14 S/S

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>NOX</u>
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	<u>BP35 for sample</u>
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	<u>LAC-B-3-051425</u>
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	<u>out of pH, reading</u>
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	<u>at a 6</u>
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☒ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added. <u>Added 1mL HNO₃ to metals container for sample LAC-B-3-051425</u> <u>S/S 1458 lot # 95285, now in pH</u>
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here



60475320

Scan QR Code for instructions

Company Name:	Evergy_Haley & Aldrich	Contact/Report To:	Jake Humphrey
Street Address:	818 S Kansas Avenue Topeka, KS 66612	Phone #:	(913)634-0605
Customer Project #:		E-Mail:	jake.humphrey@evergy.com
		Cc E-Mail:	skaney@haleyaldrich.com
Project Name:	La Cygne N&E Wells	Invoice To:	Lacygne-Evergy Payable
Site Collection Info/Facility ID (as applicable):		Invoice E-Mail:	apinvoicing@evergy.com
	Evergy La Cygne Generating Station	Purchase Order # (if applicable):	3000222251
		Quote #:	

Specify Container Size **								** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other	
2	3	3	3	3	4	3			
Identify Container Preservative Type***								*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other	
1	1	3	5,6	3	4	2			
Analysis Requested									

Time Zone Collected: ☐ AK ☐ PT ☐ MT ☒ X CT ☐ ET										County / State origin of sample(s): Kansas									
Data Deliverables:										Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ No									
☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other										Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other _____									
										DW PWSID # or WW Permit # as applicable: NA									
Date Results Requested:										Field Filtered (if applicable): ☒ X Yes ☐ No									
										Analysis: DOC									

2540C Total Dissolved Solids (UNP; Lab Filter) 300.0 IC Anions 28 Days: 4500H+ pH, Electrometric: NO2/NO3 (UNP; 48 HR) 365.4 Total Phosphorus 4500S2D Sulfide, Total 5310C TOC: 5310C Dissolved Organic Carbon (FF) Iron, Ferrous Metals 2007/200.8/6010/245.1	Lab Use Only Proj. Mgr: Alice Spiller AcctNum / Client ID: Table #: Profile / Template: 16583 Prelog / Bottle Ord. ID: EZ 3254319	Sample Comment
		Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

[illegible]

Additional Instructions from Pace®:

Total Metals: B, Ca, Ba, Cd, Co, Pb, Li, Hg, Mo, Mg, Na, K, Al, Fe, Mn, Hardness

Dissolved Metals: Li, Fe, Al, Mg, Mn

Anions: Cl, F, SO₄

Collected By:
(Printed Name)

Jason R. Franks

Signature:

Jason R. Franks

Customer Remarks / Special Conditions / Possible Hazards:									
---	--	--	--	--	--	--	--	--	--

Coolers:

Thermometer ID:

Correction Factor (°C)

Obs. Temp. (°C)

Copyright © 2006

Relinquished by/Company: (Signature)

Jason R. Franks / SCS

Date/Time:

05/15/2025 / 11:30

Received by/Company: (Signature)

TABAC

Date/Time

Date/Time: 5/15/25

125

Tracking Number:

Tracking Number:

Delivered by: ☐ In-Person ☐ Courier

☐ FedEx ☐ UPS ☐ Other

Page: 1 of 1

Client: Evergy Haley and Aldrich

Profile/EZ# 3254319

Site: La Cygne NE Wells

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	WT		3										1							1	1			1	1		1						
2	↓		↓										↓							↓	↓		↓		↓		↓						
3																																	
4			↓										↓								↓		↓		↓		↓						
5																																	
6	↓												↓							↓	↓		↓		↓		↓						
7			↓										↓								↓		↓		↓		↓						
8	↓		↓										↓							↓	↓		↓		↓		↓						
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic				Misc.			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab				
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate				
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag				
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter				
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes				
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit				
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can				
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic						
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic						
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate						
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic						
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered						
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	WT	Water				
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	SL	Solid				
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	NAL	Non-aqueous Liquid				
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	OL	OIL				
				BP4U	125mL unpreserved plastic	WP	Wipe				
				BP4N	125mL HNO3 plastic	DW	Drinking Water				
				BP4S	125mL H2SO4 plastic						
				WPDU	16oz unpreserved plastic						

WO# : 60475320

PM: AS

Due Date: 05/30/25

CLIENT: Evergy_Haley

Work Order Num



June 20, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne N&E Radchem
Pace Project No.: 60475322

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475322001	LAC-B-1-051425	Water	05/14/25 13:45	05/15/25 12:55
60475322002	LAC-B-2-051325	Water	05/13/25 17:45	05/15/25 12:55
60475322003	LAC-B-3-051425	Water	05/14/25 15:20	05/15/25 12:55
60475322004	LAC-B-4-051425	Water	05/14/25 10:45	05/15/25 12:55
60475322005	LAC-B-5-051425	Water	05/14/25 17:40	05/15/25 12:55
60475322006	LAC-MW-10D-051425	Water	05/14/25 11:50	05/15/25 12:55
60475322007	LAC-MW-707D-051325	Water	05/13/25 19:35	05/15/25 12:55
60475322008	LAC-N&E-DUP-051325	Water	05/13/25 17:45	05/15/25 12:55

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475322001	LAC-B-1-051425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322002	LAC-B-2-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322003	LAC-B-3-051425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322004	LAC-B-4-051425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322005	LAC-B-5-051425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322006	LAC-MW-10D-051425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322007	LAC-MW-707D-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475322008	LAC-N&E-DUP-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Radchem
Pace Project No.: 60475322

Method: EPA 903.1
Description: 903.1 Radium 226
Client: Evergy_Haley & Aldrich
Date: June 20, 2025

General Information:

8 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Evergy_Haley & Aldrich

Date: June 20, 2025

General Information:

8 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Evergy_Haley & Aldrich

Date: June 20, 2025

General Information:

8 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: **LAC-B-1-051425** Lab ID: **60475322001** Collected: 05/14/25 13:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.922 ± 0.740 (1.12) C:NA T:89%	pCi/L	06/19/25 15:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	2.33 ± 0.763 (1.01) C:79% T:67%	pCi/L	06/18/25 14:35	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.25 ± 1.06 (1.12)	pCi/L	06/20/25 08:53	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-B-2-051325 Lab ID: 60475322002 Collected: 05/13/25 17:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.224 ± 0.581 (1.19) C:NA T:94%	pCi/L	06/19/25 15:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.807 ± 0.442 (0.798) C:80% T:83%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.807 ± 0.730 (1.19)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-B-3-051425 Lab ID: 60475322003 Collected: 05/14/25 15:20 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.29 ± 0.974 (1.19) C:NA T:100%	pCi/L	06/19/25 15:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.40 ± 0.496 (0.678) C:82% T:88%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.69 ± 1.09 (1.19)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-B-4-051425 Lab ID: 60475322004 Collected: 05/14/25 10:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.48 ± 0.976 (1.15) C:NA T:95%	pCi/L	06/19/25 15:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	4.19 ± 0.968 (0.686) C:79% T:87%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	6.67 ± 1.37 (1.15)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: **LAC-B-5-051425** Lab ID: **60475322005** Collected: 05/14/25 17:40 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.477 ± 0.714 (1.22) C:NA T:92%	pCi/L	06/19/25 15:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.92 ± 0.678 (1.01) C:76% T:81%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.40 ± 0.985 (1.22)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-MW-10D-051425 Lab ID: 60475322006 Collected: 05/14/25 11:50 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.457 ± 0.635 (1.07) C:NA T:91%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.24 ± 0.559 (0.933) C:79% T:86%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.70 ± 0.846 (1.07)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-MW-707D-051325 Lab ID: 60475322007 Collected: 05/13/25 19:35 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.16 ± 0.845 (1.25) C:NA T:95%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.45 ± 0.538 (0.790) C:78% T:87%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.61 ± 1.00 (1.25)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Sample: LAC-N&E-DUP-051325 Lab ID: 60475322008 Collected: 05/13/25 17:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.182 ± 0.663 (1.22) C:NA T:90%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.462 ± 0.375 (0.746) C:78% T:87%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.644 ± 0.762 (1.22)	pCi/L	06/20/25 08:53	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

QC Batch:	748100	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475322001, 60475322002, 60475322003, 60475322004, 60475322005, 60475322006, 60475322007, 60475322008		

METHOD BLANK:	3643860	Matrix:	Water
Associated Lab Samples:	60475322001, 60475322002, 60475322003, 60475322004, 60475322005, 60475322006, 60475322007, 60475322008		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.932 ± 0.423 (0.689) C:83% T:82%	pCi/L	06/18/25 14:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

QC Batch:	748098	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475322001, 60475322002, 60475322003, 60475322004, 60475322005, 60475322006, 60475322007, 60475322008		

METHOD BLANK:	3643856	Matrix:	Water
Associated Lab Samples:	60475322001, 60475322002, 60475322003, 60475322004, 60475322005, 60475322006, 60475322007, 60475322008		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.168 ± 0.309 (0.550) C:NA T:95%	pCi/L	06/19/25 15:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: La Cygne N&E Radchem
Pace Project No.: 60475322

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne N&E Radchem

Pace Project No.: 60475322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475322001	LAC-B-1-051425	EPA 903.1	748098		
60475322002	LAC-B-2-051325	EPA 903.1	748098		
60475322003	LAC-B-3-051425	EPA 903.1	748098		
60475322004	LAC-B-4-051425	EPA 903.1	748098		
60475322005	LAC-B-5-051425	EPA 903.1	748098		
60475322006	LAC-MW-10D-051425	EPA 903.1	748098		
60475322007	LAC-MW-707D-051325	EPA 903.1	748098		
60475322008	LAC-N&E-DUP-051325	EPA 903.1	748098		
60475322001	LAC-B-1-051425	EPA 904.0	748100		
60475322002	LAC-B-2-051325	EPA 904.0	748100		
60475322003	LAC-B-3-051425	EPA 904.0	748100		
60475322004	LAC-B-4-051425	EPA 904.0	748100		
60475322005	LAC-B-5-051425	EPA 904.0	748100		
60475322006	LAC-MW-10D-051425	EPA 904.0	748100		
60475322007	LAC-MW-707D-051325	EPA 904.0	748100		
60475322008	LAC-N&E-DUP-051325	EPA 904.0	748100		
60475322001	LAC-B-1-051425	Total Radium Calculation	753346		
60475322002	LAC-B-2-051325	Total Radium Calculation	753346		
60475322003	LAC-B-3-051425	Total Radium Calculation	753346		
60475322004	LAC-B-4-051425	Total Radium Calculation	753346		
60475322005	LAC-B-5-051425	Total Radium Calculation	753346		
60475322006	LAC-MW-10D-051425	Total Radium Calculation	753346		
60475322007	LAC-MW-707D-051325	Total Radium Calculation	753346		
60475322008	LAC-N&E-DUP-051325	Total Radium Calculation	753346		

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WO#: 60475322



DC#_Title: ENV-FRM-LENE-0009_Sample Co

Revision: 2

Effective Date: 01/12/2022

Client Name:

Energy Harts/Hanich Kansas

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐

Thermometer Used: *1301* Type of Ice: Wet ☐ Blue ☒ None ☐

Cooler Temperature (°C): As-read *24.3* Corr. Factor *+0.1* Corrected *24.4*

Date and initials of person examining contents:

AF S/S

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <i>W</i>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Client:

Energy Kansas

Profile/EZ #

E23259682

Site:

La Cygne NE Radchem

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	Matrix																					Matrix											
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab		
DG9H	40mL HCl amber vial	WGDU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate		
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag		
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter		
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes		
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit		
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can		
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water		
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid		
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid		
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL		
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe		
				BP4U	125mL unpreserved plastic	DW	Drinking Water		
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60479322

State Of Origin: KS

Cert. Needed: ☒ Yes ☐ No

Owner Received Date: 5/15/2025 Results Requested By: 6/13/2025



Pace

Page 23 of 26

Workorder: 60475322

Workorder Name: La Cygne N&E Radchem

[illegible]

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO#: 30781493



30781493

Pace
ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-
Greensburg

Effective Date: 01/04/2024

WO# : 30781493

PM: CMC Due Date: 06/20/25
CLIENT: PACE_60_LEKS

Client Name: Pace Kansas

Proj

Initial / Date

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 4453 8931 9040

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

Type of Ice: Wet Blue None

Seals Intact: ☐ Yes ☒ No

Examined By: MS 5/22/25

Labeled By: MS 5/22/25

Temped By: MS 5/22/25

Thermometer Used: —

Cooler Temperature: Observed Temp — °C

Correction Factor: — °C

Final Temp: — °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# <u>10P43241</u>	D.P.D. Residual Chlorine Lot # <u>—</u>
Chain of Custody Present	☒	☐	☐	1.	
Chain of Custody Filled Out:	☒	☐	☐	2.	
-Were client corrections present on COC	☒	☒	☐	3.	
Chain of Custody Relinquished	☒	☐	☐	4.	
Sampler Name & Signature on COC:	☒	☐	☐	5.	
Sample Labels match COC:	☒	☐	☐		
-Includes date/time/ID					
Matrix: <u>WT</u>					
Samples Arrived within Hold Time:	☒	☐	☐	6.	
Short Hold Time Analysis (<72hr remaining):	☐	☒	☐	7.	
Rush Turn Around Time Requested:	☐	☒	☐	8.	
Sufficient Volume:	☒	☐	☐	9.	
Correct Containers Used:	☒	☐	☐	10.	
-Pace Containers Used	☒	☐	☐		
Containers Intact:	☒	☐	☐	11.	
Orthophosphate field filtered:	☐	☐	☒	12.	
Hex Cr Aqueous samples field filtered:	☐	☐	☒	13.	
Organic Samples checked for dichlorination	☐	☐	☒	14.	
Filtered volume received for dissolved tests:	☐	☐	☒	15.	
All containers checked for preservation:	☒	☐	☐	16.	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix					
All containers meet method preservation requirements:	☒	☐	☐	Initial when completed <u>MS</u>	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)	☐	☐	☒	17.	
624.1: Headspace in VOA Vials (0mm)	☐	☐	☒	18.	
Radon: Headspace in RAD Vials (0mm)	☐	☐	☒	19.	
Trip Blank Present:	☐	☐	☒	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	☒	☐	☐	Initial when completed <u>BC</u>	Date: <u>5-22-25</u> Survey Meter SN: <u>2504380</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.
Qualtrax ID: 55680



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: TMY
Date: 6/6/2025
Batch ID: 85401
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3643856	
MB concentration:	0.168	
M/B 2 Sigma CSU:	0.309	
MB MDC:	0.550	
MB Numerical Performance Indicator:	1.07	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS85401	LCSD85401
Count Date:	6/19/2025	6/19/2025
Spike I.D.:	24-046	24-046
Spike Concentration (pCi/mL):	31.830	31.830
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.653	0.655
Target Conc. (pCi/L, g, F):	4.872	4.859
Uncertainty (Calculated):	0.229	0.228
Result (pCi/L, g, F):	4.124	4.874
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.076	1.278
Numerical Performance Indicator:	-1.33	0.02
Percent Recovery:	84.64%	100.29%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS85401	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85401	
Sample Result (pCi/L, g, F):	4.124	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.076	
Sample Duplicate Result (pCi/L, g, F):	4.874	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.278	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.879	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	16.92%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

TJ 6-19-25

mm 6/19/25



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: ZPC
Date: 6/13/2025
Worklist: 85402
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3643860
MB concentration: 0.932
M/B 2 Sigma CSU: 0.423
MB MDC: 0.689
MB Numerical Performance Indicator: 4.32
MB Status vs Numerical Indicator: Fail*
MB Status vs. MDC: See Comment*

Laboratory Control Sample Assessment

	LCS/D (Y or N)?	Y
	LCS85402	LCS85402
Count Date:	6/18/2025	6/18/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	32.211	32.211
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.821
Target Conc. (pCi/L, g, F):	3.930	3.924
Uncertainty (Calculated):	0.193	0.192
Result (pCi/L, g, F):	3.209	3.068
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.831	0.787
Numerical Performance Indicator:	-1.65	-2.07
Percent Recovery:	81.67%	78.20%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment

Sample I.D.:	LCS85402	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85402	
Sample Result (pCi/L, g, F):	3.209	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.831	
Sample Duplicate Result (pCi/L, g, F):	3.068	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.787	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.241	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.34%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*The method blank result is below the reporting limit for this analysis and is acceptable.

Mue/2025



June 20, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Rad
Pace Project No.: 60475330

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

A handwritten signature in cursive script that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475330001	LAC-MW-6-051325	Water	05/13/25 15:45	05/15/25 12:55
60475330002	LAC-MW-7-051325	Water	05/13/25 16:40	05/15/25 12:55
60475330003	LAC-MW-13-051325	Water	05/13/25 11:30	05/15/25 12:55
60475330004	LAC-MW-14R-051325	Water	05/13/25 10:35	05/15/25 12:55
60475330005	LAC-MW-15-051325	Water	05/13/25 10:20	05/15/25 12:55
60475330006	LAC-MW-601-051325	Water	05/13/25 12:10	05/15/25 12:55
60475330007	LAC-MW-602-051325	Water	05/13/25 11:20	05/15/25 12:55
60475330008	LAC-MW-701-051325	Water	05/13/25 14:15	05/15/25 12:55
60475330009	LAC-MW-702-051325	Water	05/13/25 14:30	05/15/25 12:55
60475330010	LAC-MW-703-051325	Water	05/13/25 13:40	05/15/25 12:55
60475330011	LAC-MW-704-051325	Water	05/13/25 12:55	05/15/25 12:55
60475330012	LAC-MW-705-051325	Water	05/12/25 18:00	05/15/25 12:55
60475330013	LAC-MW-706-051225	Water	05/12/25 18:00	05/15/25 12:55
60475330014	LAC-MW-707B-051225	Water	05/12/25 15:55	05/15/25 12:55
60475330015	LAC-MW-708-051225	Water	05/12/25 16:05	05/15/25 12:55
60475330016	LAC-MW-801-051225	Water	05/12/25 14:50	05/15/25 12:55
60475330017	LAC-MW-802-051225	Water	05/12/25 13:45	05/15/25 12:55
60475330018	LAC-MW-803-051225	Water	05/12/25 14:15	05/15/25 12:55
60475330019	LAC-MW-804-051225	Water	05/12/25 12:40	05/15/25 12:55
60475330020	LAC-MW-805-051225	Water	05/12/25 12:25	05/15/25 12:55
60475330021	LAC-TW-1-051225	Water	05/12/25 17:00	05/15/25 12:55
60475330022	LAC-DUP1-051225	Water	05/12/25 12:25	05/15/25 12:55
60475330023	LAC-DUP2-051325	Water	05/13/25 14:15	05/15/25 12:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Rad
Pace Project No.: 60475330

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475330001	LAC-MW-6-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330002	LAC-MW-7-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330003	LAC-MW-13-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330004	LAC-MW-14R-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330005	LAC-MW-15-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330006	LAC-MW-601-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330007	LAC-MW-602-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330008	LAC-MW-701-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330009	LAC-MW-702-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330010	LAC-MW-703-051325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330011	LAC-MW-704-051325	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330012	LAC-MW-705-051325	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330013	LAC-MW-706-051225	EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Rad
Pace Project No.: 60475330

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475330014	LAC-MW-707B-051225	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60475330015	LAC-MW-708-051225	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330016	LAC-MW-801-051225	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
60475330017	LAC-MW-802-051225	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60475330018	LAC-MW-803-051225	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330019	LAC-MW-804-051225	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
60475330020	LAC-MW-805-051225	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60475330021	LAC-TW-1-051225	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60475330022	LAC-DUP1-051225	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
60475330023	LAC-DUP2-051325	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Rad
Pace Project No.: 60475330

Method: EPA 903.1
Description: 903.1 Radium 226
Client: Evergy_Haley & Aldrich
Date: June 20, 2025

General Information:

23 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Rad
Pace Project No.: 60475330

Method: EPA 904.0
Description: 904.0 Radium 228
Client: Evergy_Haley & Aldrich
Date: June 20, 2025

General Information:

23 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Rad
Pace Project No.: 60475330

Method: Total Radium Calculation
Description: Total Radium 228+226
Client: Evergy_Haley & Aldrich
Date: June 20, 2025

General Information:

23 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-6-051325 Lab ID: 60475330001 Collected: 05/13/25 15:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.114 ± 0.418 (0.803) C:NA T:87%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.774 ± 0.435 (0.785) C:77% T:87%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.888 ± 0.603 (0.803)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-7-051325 Lab ID: 60475330002 Collected: 05/13/25 16:40 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.366 ± 0.658 (1.14) C:NA T:95%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.924 ± 0.437 (0.741) C:83% T:89%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.29 ± 0.790 (1.14)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-13-051325 Lab ID: 60475330003 Collected: 05/13/25 11:30 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.204 ± 0.650 (1.28) C:NA T:94%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.751 ± 0.454 (0.850) C:80% T:86%	pCi/L	06/18/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.751 ± 0.793 (1.28)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-14R-051325 Lab ID: 60475330004 Collected: 05/13/25 10:35 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.181 ± 0.699 (1.28) C:NA T:91%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.676 ± 0.407 (0.737) C:79% T:85%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.857 ± 0.809 (1.28)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-15-051325 Lab ID: 60475330005 Collected: 05/13/25 10:20 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.354 ± 0.851 (1.51) C:NA T:85%	pCi/L	06/19/25 15:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.599 ± 0.386 (0.717) C:80% T:85%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.953 ± 0.934 (1.51)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-601-051325 Lab ID: 60475330006 Collected: 05/13/25 12:10 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.462 ± 0.631 (1.06) C:NA T:96%	pCi/L	06/19/25 15:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.937 ± 0.449 (0.767) C:82% T:87%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.40 ± 0.774 (1.06)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-602-051325 Lab ID: 60475330007 Collected: 05/13/25 11:20 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.523 ± 0.731 (1.24) C:NA T:91%	pCi/L	06/19/25 15:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.524 ± 0.468 (0.954) C:80% T:86%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.05 ± 0.868 (1.24)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-701-051325 Lab ID: 60475330008 Collected: 05/13/25 14:15 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.338 ± 0.663 (1.17) C:NA T:91%	pCi/L	06/19/25 15:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.796 ± 0.436 (0.776) C:83% T:80%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.13 ± 0.794 (1.17)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-702-051325 Lab ID: 60475330009 Collected: 05/13/25 14:30 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.678 ± 0.631 (0.984) C:NA T:91%	pCi/L	06/19/25 15:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.19 ± 0.492 (0.777) C:82% T:85%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.87 ± 0.800 (0.984)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-703-051325 Lab ID: 60475330010 Collected: 05/13/25 13:40 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.17 ± 1.03 (1.35) C:NA T:89%	pCi/L	06/19/25 15:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.970 ± 0.444 (0.728) C:80% T:82%	pCi/L	06/18/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.14 ± 1.12 (1.35)	pCi/L	06/20/25 08:53	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-704-051325 Lab ID: 60475330011 Collected: 05/13/25 12:55 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.513 ± 0.584 (0.950) C:NA T:95%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.0289 ± 0.272 (0.630) C:80% T:90%	pCi/L	06/18/25 11:55	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.542 ± 0.644 (0.950)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-705-051325 Lab ID: 60475330012 Collected: 05/12/25 18:00 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.933 ± 0.847 (1.35) C:NA T:95%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.410 ± 0.320 (0.628) C:76% T:96%	pCi/L	06/18/25 11:55	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.34 ± 0.905 (1.35)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-706-051225 Lab ID: 60475330013 Collected: 05/12/25 18:00 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.648 ± 0.795 (1.32) C:NA T:96%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.631 ± 0.357 (0.647) C:79% T:92%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.28 ± 0.871 (1.32)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-707B-051225 Lab ID: 60475330014 Collected: 05/12/25 15:55 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.439 ± 0.793 (1.37) C:NA T:99%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.98 ± 0.638 (0.905) C:77% T:92%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.42 ± 1.02 (1.37)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-708-051225 Lab ID: 60475330015 Collected: 05/12/25 16:05 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.272 ± 0.776 (1.39) C:NA T:97%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.591 ± 0.434 (0.860) C:77% T:94%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.863 ± 0.889 (1.39)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-801-051225 Lab ID: 60475330016 Collected: 05/12/25 14:50 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.808 ± 0.951 (1.58) C:NA T:92%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.18 ± 0.497 (0.823) C:77% T:97%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.99 ± 1.07 (1.58)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-802-051225 **Lab ID:** 60475330017 Collected: 05/12/25 13:45 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

Comments:

- Upon receipt at the laboratory, 2.5 mls of nitric acid were added to sample 017, bottle 1, to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in wastewater. The samples were not preserved pH < 2 within 15 minutes of collection (40CFR136).
- The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.23 ± 1.00 (1.57) C:NA T:95%	pCi/L	06/19/25 15:53	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.837 ± 0.472 (0.869) C:76% T:93%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.07 ± 1.11 (1.57)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-803-051225 **Lab ID:** 60475330018 Collected: 05/12/25 14:15 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

Comments:

- Upon receipt at the laboratory, 2.5 mls of nitric acid were added to sample 018, bottle 1, to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in wastewater. The samples were not preserved pH < 2 within 15 minutes of collection (40CFR136).
- The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.608 ± 0.776 (1.30) C:NA T:93%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.429 ± 0.364 (0.736) C:77% T:94%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.04 ± 0.857 (1.30)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-804-051225 Lab ID: 60475330019 Collected: 05/12/25 12:40 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.620 ± 0.535 (0.795) C:NA T:92%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.986 ± 0.466 (0.807) C:75% T:92%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.61 ± 0.709 (0.807)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-MW-805-051225 Lab ID: 60475330020 Collected: 05/12/25 12:25 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.000 ± 0.689 (1.32) C:NA T:97%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.11 ± 0.517 (0.896) C:74% T:91%	pCi/L	06/18/25 11:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.11 ± 0.861 (1.32)	pCi/L	06/20/25 08:50	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-TW-1-051225 Lab ID: 60475330021 Collected: 05/12/25 17:00 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.0665 ± 0.912 (1.69) C:NA T:91%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.32 ± 0.519 (0.822) C:74% T:89%	pCi/L	06/18/25 11:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.39 ± 1.05 (1.69)	pCi/L	06/20/25 08:50	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-DUP1-051225 Lab ID: 60475330022 Collected: 05/12/25 12:25 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.621 ± 0.946 (1.61) C:NA T:90%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.611 ± 0.471 (0.941) C:73% T:93%	pCi/L	06/18/25 11:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.23 ± 1.06 (1.61)	pCi/L	06/20/25 08:50	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Sample: LAC-DUP2-051325 Lab ID: 60475330023 Collected: 05/13/25 14:15 Received: 05/15/25 12:55 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.503 ± 0.829 (1.42) C:NA T:88%	pCi/L	06/19/25 16:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.635 ± 0.449 (0.882) C:77% T:88%	pCi/L	06/18/25 11:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14 ± 0.943 (1.42)	pCi/L	06/20/25 08:50	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

QC Batch:	748100	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475330001, 60475330002, 60475330003, 60475330004, 60475330005, 60475330006, 60475330007, 60475330008, 60475330009, 60475330010		

METHOD BLANK:	3643860	Matrix:	Water
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Associated Lab Samples: 60475330001, 60475330002, 60475330003, 60475330004, 60475330005, 60475330006, 60475330007, 60475330008, 60475330009, 60475330010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.932 ± 0.423 (0.689) C:83% T:82%	pCi/L	06/18/25 14:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

QC Batch:	748098	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475330001, 60475330002, 60475330003, 60475330004, 60475330005, 60475330006, 60475330007, 60475330008, 60475330009, 60475330010		

METHOD BLANK: 3643856 Matrix: Water

Associated Lab Samples: 60475330001, 60475330002, 60475330003, 60475330004, 60475330005, 60475330006, 60475330007, 60475330008, 60475330009, 60475330010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.168 ± 0.309 (0.550) C:NA T:95%	pCi/L	06/19/25 15:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

QC Batch:	748103	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475330011, 60475330012, 60475330013, 60475330014, 60475330015, 60475330016, 60475330017, 60475330018, 60475330019, 60475330020, 60475330021, 60475330022, 60475330023		

METHOD BLANK:	3643865	Matrix:	Water
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Associated Lab Samples: 60475330011, 60475330012, 60475330013, 60475330014, 60475330015, 60475330016, 60475330017, 60475330018, 60475330019, 60475330020, 60475330021, 60475330022, 60475330023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.218 ± 0.297 (0.634) C:77% T:96%	pCi/L	06/18/25 11:55	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La Cygne CCR Rad

Pace Project No.: 60475330

QC Batch:	748102	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60475330011, 60475330012, 60475330013, 60475330014, 60475330015, 60475330016, 60475330017, 60475330018, 60475330019, 60475330020, 60475330021, 60475330022, 60475330023		

METHOD BLANK:	3643864	Matrix:	Water
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Associated Lab Samples: 60475330011, 60475330012, 60475330013, 60475330014, 60475330015, 60475330016, 60475330017, 60475330018, 60475330019, 60475330020, 60475330021, 60475330022, 60475330023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.140 ± 0.330 (0.611) C:NA T:92%	pCi/L	06/19/25 15:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: La Cygne CCR Rad
Pace Project No.: 60475330

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475330001	LAC-MW-6-051325	EPA 903.1	748098		
60475330002	LAC-MW-7-051325	EPA 903.1	748098		
60475330003	LAC-MW-13-051325	EPA 903.1	748098		
60475330004	LAC-MW-14R-051325	EPA 903.1	748098		
60475330005	LAC-MW-15-051325	EPA 903.1	748098		
60475330006	LAC-MW-601-051325	EPA 903.1	748098		
60475330007	LAC-MW-602-051325	EPA 903.1	748098		
60475330008	LAC-MW-701-051325	EPA 903.1	748098		
60475330009	LAC-MW-702-051325	EPA 903.1	748098		
60475330010	LAC-MW-703-051325	EPA 903.1	748098		
60475330011	LAC-MW-704-051325	EPA 903.1	748102		
60475330012	LAC-MW-705-051325	EPA 903.1	748102		
60475330013	LAC-MW-706-051225	EPA 903.1	748102		
60475330014	LAC-MW-707B-051225	EPA 903.1	748102		
60475330015	LAC-MW-708-051225	EPA 903.1	748102		
60475330016	LAC-MW-801-051225	EPA 903.1	748102		
60475330017	LAC-MW-802-051225	EPA 903.1	748102		
60475330018	LAC-MW-803-051225	EPA 903.1	748102		
60475330019	LAC-MW-804-051225	EPA 903.1	748102		
60475330020	LAC-MW-805-051225	EPA 903.1	748102		
60475330021	LAC-TW-1-051225	EPA 903.1	748102		
60475330022	LAC-DUP1-051225	EPA 903.1	748102		
60475330023	LAC-DUP2-051325	EPA 903.1	748102		
60475330001	LAC-MW-6-051325	EPA 904.0	748100		
60475330002	LAC-MW-7-051325	EPA 904.0	748100		
60475330003	LAC-MW-13-051325	EPA 904.0	748100		
60475330004	LAC-MW-14R-051325	EPA 904.0	748100		
60475330005	LAC-MW-15-051325	EPA 904.0	748100		
60475330006	LAC-MW-601-051325	EPA 904.0	748100		
60475330007	LAC-MW-602-051325	EPA 904.0	748100		
60475330008	LAC-MW-701-051325	EPA 904.0	748100		
60475330009	LAC-MW-702-051325	EPA 904.0	748100		
60475330010	LAC-MW-703-051325	EPA 904.0	748100		
60475330011	LAC-MW-704-051325	EPA 904.0	748103		
60475330012	LAC-MW-705-051325	EPA 904.0	748103		
60475330013	LAC-MW-706-051225	EPA 904.0	748103		
60475330014	LAC-MW-707B-051225	EPA 904.0	748103		
60475330015	LAC-MW-708-051225	EPA 904.0	748103		
60475330016	LAC-MW-801-051225	EPA 904.0	748103		
60475330017	LAC-MW-802-051225	EPA 904.0	748103		
60475330018	LAC-MW-803-051225	EPA 904.0	748103		
60475330019	LAC-MW-804-051225	EPA 904.0	748103		
60475330020	LAC-MW-805-051225	EPA 904.0	748103		
60475330021	LAC-TW-1-051225	EPA 904.0	748103		
60475330022	LAC-DUP1-051225	EPA 904.0	748103		
60475330023	LAC-DUP2-051325	EPA 904.0	748103		
60475330001	LAC-MW-6-051325	Total Radium Calculation	753346		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Rad

Pace Project No.: 60475330

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475330002	LAC-MW-7-051325	Total Radium Calculation	753346		
60475330003	LAC-MW-13-051325	Total Radium Calculation	753346		
60475330004	LAC-MW-14R-051325	Total Radium Calculation	753346		
60475330005	LAC-MW-15-051325	Total Radium Calculation	753346		
60475330006	LAC-MW-601-051325	Total Radium Calculation	753346		
60475330007	LAC-MW-602-051325	Total Radium Calculation	753346		
60475330008	LAC-MW-701-051325	Total Radium Calculation	753346		
60475330009	LAC-MW-702-051325	Total Radium Calculation	753346		
60475330010	LAC-MW-703-051325	Total Radium Calculation	753346		
60475330011	LAC-MW-704-051325	Total Radium Calculation	753343		
60475330012	LAC-MW-705-051325	Total Radium Calculation	753343		
60475330013	LAC-MW-706-051225	Total Radium Calculation	753343		
60475330014	LAC-MW-707B-051225	Total Radium Calculation	753343		
60475330015	LAC-MW-708-051225	Total Radium Calculation	753343		
60475330016	LAC-MW-801-051225	Total Radium Calculation	753343		
60475330017	LAC-MW-802-051225	Total Radium Calculation	753343		
60475330018	LAC-MW-803-051225	Total Radium Calculation	753343		
60475330019	LAC-MW-804-051225	Total Radium Calculation	753343		
60475330020	LAC-MW-805-051225	Total Radium Calculation	753343		
60475330021	LAC-TW-1-051225	Total Radium Calculation	753343		
60475330022	LAC-DUP1-051225	Total Radium Calculation	753343		
60475330023	LAC-DUP2-051325	Total Radium Calculation	753343		

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DC#_Title: ENV-FRM-LENE-0009_Sample Co

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

WO#: 60475330



60475330

Client Name:

Energy Hauler J AldrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐Thermometer Used: T301 Type of Ice: Wet ☐ Blue ☒ None ☐Cooler Temperature (°C): As-read 24.6 Corr. Factor 10.1 Corrected 29.7Date and initials of person
examining contents:AF 5/15

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	<u>Cooler 2 - 27.2</u>
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	<u>Cooler 3 - 29.9</u>
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>W</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Project Manager Review:

Date:

 Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields				LAB USE ONLY- Affix Workorder/Login Label Here  60475330 Scan QR Code for instructions													
Company Name: Evergy_Haley & Aldrich		Contact/Report To: Jake Humphrey																	
Street Address: 818 S Kansas Avenue Topeka, KS 66612		Phone #: (913)634-0605																	
		E-Mail: jake.humphrey@evergy.com																	
		Cc E-Mail: skaney@haleyaldrich.com																	
Customer Project #: La Cygne CCR Rad		Invoice To: Lacygne-Evergy Payable																	
		Invoice E-Mail: apinvoicing@evergy.com																	
Site Collection Info/Facility ID (as applicable): Evergy La Cygne Generating Station		Purchase Order # (if applicable): 3000222251																	
		Quote #: 																	
Time Zone Collected: ☐ AK ☐ PT ☐ MT ☒ CT ☐ ET		County / State origin of sample(s): Kansas																	
Data Deliverables: ☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other		Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ No																	
		Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other		DW PWSID # or WW Permit # as applicable: NA															
		Date Results Requested:		Field Filtered (if applicable): ☐ Yes ☒ No															
				Analysis:															
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																		Lab Use Only Preservation non-conformance identified for sample.	
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		Radium 226; Radium 228; Radium 226/228 Combined (calculated); QC								
				Date Time		Date Time			Results Units										
LaC-MW-6-051325		GW	GRAB	-	-	5/13/2025	1545	2	-	-									
LaC-MW-7-051325		GW	GRAB	-	-	5/13/2025	1640	2	-	-									
LaC-MW-13-051325		GW	GRAB	-	-	5/13/2025	1130	2	-	-									
LaC-MW-14R-051325		GW	GRAB	-	-	5/13/2025	1035	2	-	-									
LaC-MW-15-051325		GW	GRAB	-	-	5/13/2025	1020	2	-	-									
LaC-MW-601-051325		GW	GRAB	-	-	5/13/2025	1210	2	-	-									
LaC-MW-602-051325		GW	GRAB	-	-	5/13/2025	1120	2	-	-									
LaC-MW-701-051325		GW	GRAB	-	-	5/13/2025	1415	2	-	-									
LaC-MW-702-051325		GW	GRAB	-	-	5/13/2025	1430	2	-	-									
LaC-MW-703-051325		GW	GRAB	-	-	5/13/2025	1340	2	-	-									
Additional Instructions from Pace®:		Collected By: (Printed Name) Jason R. Franks		Customer Remarks / Special Conditions / Possible Hazards:															
		Signature: <i>Jason R. Franks</i>		# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:															
Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / SCS		Date/Time: 05/15/2025 / 11:30		Received by/Company: (Signature) <i>JA Pace</i>		Date/Time: 5/15/25 1255		Tracking Number:											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Delivered by: ☐ In-Person ☐ Courier											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		☐ FedEx ☐ UPS ☐ Other											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Page: 1 of 3											

Pace* Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219			CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields					LAB USE ONLY- Affix Workorder/Login Label Here 60475330 Scan QR Code for instructions														
Company Name: Everyg_Haley & Aldrich Street Address: 818 S Kansas Avenue Topeka, KS 66612			Contact/Report To: Jake Humphrey Phone #: (913)634-0605 E-Mail: jake.humphrey@everyg.com Cc E-Mail: skaney@haleyaldrich.com																			
Customer Project #: Project Name: La Cygne CCR Rad			Invoice To: Lacygne-Everyg Payable Invoice E-Mail: apinvoicing@everyg.com Purchase Order # (if applicable): 3000222251 Quote #:																			
Site Collection Info/Facility ID (as applicable): Everyg La Cygne Generating Station			Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET County / State origin of sample(s): Kansas																			
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other			Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other Date Results Requested: Field Filtered (if applicable): [] Yes [X] No Analysis:			Specify Container Size ** 1 Identify Container Preservative Type*** 2 Analysis Requested																
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)						*** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other																
Customer Sample ID			Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine		Radium 226; Radium 228; Radium 226/228 Combined (calculated); QC										
					Date	Time	Date	Time	Cont.	Results	Units											
LaC-MW-704-051325			GW	GRAB	-	-	5/13/2025	1255	2	-	-											X
LaC-MW-705-051225			GW	GRAB	-	-	5/12/2025	1800	2	-	-											X
LaC-MW-706-051225			GW	GRAB	-	-	5/12/2025	1800	2	-	-											X
LaC-MW-707B-051225			GW	GRAB	-	-	5/12/2025	1555	2	-	-											X
LaC-MW-708-051225			GW	GRAB	-	-	5/12/2025	1605	2	-	-											X
LaC-MW-801-051225			GW	GRAB	-	-	5/12/2025	1450	2	-	-											X
LaC-MW-802-051225			GW	GRAB	-	-	5/12/2025	1345	2	-	-											X
LaC-MW-803-051225			GW	GRAB	-	-	5/12/2025	1415	2	-	-											X
LaC-MW-804-051225			GW	GRAB	-	-	5/12/2025	1240	2	-	-	X										
LaC-MW-805-051225			GW	GRAB	-	-	5/12/2025	1225	2	-	-	X										
Additional Instructions from Pace*:			Collected By: (Printed Name) Jason R. Franks Signature: Jason R. Franks			Customer Remarks / Special Conditions / Possible Hazards:																
Relinquished by/Company: (Signature) Jason R. Franks / SCS			Date/Time: 05/15/2025 / 11:30			Received by/Company: (Signature) JAPage			Date/Time: 5/15/25			Tracking Number:										
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Delivered by: [] In- Person [] Courier										
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			[] FedEx [] UPS [] Other										
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Page: 2 of 3										

Pace* Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219			CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here 60475330 Scan QR Code for instructions												
Company Name: Everyg_Haley & Aldrich Street Address: 818 S Kansas Avenue Topeka, KS 66612			Contact/Report To: Jake Humphrey Phone #: (913)634-0605 E-Mail: jake.humphrey@everyg.com Cc E-Mail: skaney@haleyaldrich.com			Invoice To: Lacygne-Everyg Payable Invoice E-Mail: apinvoicing@everyg.com Purchase Order # (if applicable): 3000222251 Quote #:										Specify Container Size ** 1 Identify Container Preservative Type*** 2 Analysis Requested									
Customer Project #: Project Name: La Cygne CCR Rad Site Collection Info/Facility ID (as applicable): Everyg La Cygne Generating Station			Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET County / State origin of sample(s): Kansas			Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other * Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)										Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other Date Results Requested: Field Filtered (if applicable): [] Yes [X] No Analysis:									
Customer Sample ID			Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine		Radium 226; Radium 228; Radium 226/228 Combined (calculated); QC										Proj. Mgr: Alice Spiller		Lab Use Only Preservation non-conformance identified for sample.	
LaC-TW-1-051225			GW	GRAB	-	-	5/12/2025	1700	2	-	-											AcctNum / Client ID:			
LaC-DUP1-051225			GW	GRAB	-	-	5/12/2025	1225	2	-	-											Table #:			
LaC-DUP2-051325			GW	GRAB	-	-	5/13/2025	1415	2	-	-											Profile / Template: 16583			
																						Prelog / Bottle Ord. ID: EZ 3254310			
																						Sample Comment			
Additional Instructions from Pace*:			Collected By: (Printed Name) Signature: Jason R. Franks			Customer Remarks / Special Conditions / Possible Hazards: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:																			
Relinquished by/Company: (Signature) Jason R. Franks / SCS			Date/Time: 05/15/2025 / 11:30			Received by/Company: (Signature) JAPare			Date/Time: 5/15/25 1255			Tracking Number:													
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Delivered by: [] In-Person [] Courier													
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			[] FedEx [] UPS [] Other													
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Page: 3 of 3													

Client: Energy H+A

Profile/EZ # EZ 3254310

Site: La Cygne CCR Rad

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other				
1	WT																					UN												
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60475330

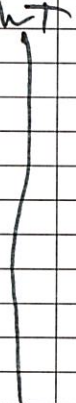
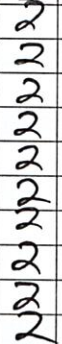
Client:

Energy H&A

Profile/EZ #

Site:

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1																																
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab		
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate		
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag		
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter		
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes		
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit		
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can		
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered				
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	WT	Water		
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	SL	Solid		
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	NAL	Non-aqueous Liquid		
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	OL	OIL		
				BP4U	125mL unpreserved plastic	WP	Wipe		
				BP4N	125mL HNO3 plastic	DW	Drinking Water		
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60475330

Client:

Energy H&A

Profile/EZ #

Site:

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																						2222									
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60475330

Internal Transfer Chain of Custody



☐ Rush Multiplier ☒ X
☐ Samples Pre-Logged into eCOC

State Of Origin: KS

Cert. Needed: ☒ Yes ☐ No

Owner Received Date: 5/15/2025

Results Requested By: 5/30/2025



Workorder: 60475330

Workorder Name: La Cygne CCR Rad

Report To				Subcontract To								Requested Analysis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Alice Spiller Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665				Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3, & 4 Greensburg, PA 15601 Phone (724)850-5600								QC Sheets	Radium 226	Radium 228 and combined																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

WO#: 30781495



30781495

Pace

Page 47 of 51



State Of Origin: KS

Cert. Needed: ☒ Yes ☐ No

Workorder Name: La Cygne CCR Rad

Owner Received Date: 5/15/2025 Results Requested By: 5/30/2025

[illegible]

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO#: 30781495

PM: CMC Due Date: 06/20/25
CLIENT: PACE_60_LEKS

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-
Greensburg

Effective Date: 01/04/2024



WO#: 30781495

PM: CMC Due Date: 06/20/25
CLIENT: PACE_60_LEKS

Client Name: Pace Kansas

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 4453 8931 9040

Initial / Date

Examined By: MS 5/22/25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

Thermometer Used: Type of Ice: Wet Blue (None)

Labeled By: MS 5/22/25

Temped By:

Cooler Temperature: Observed Temp °C Correction Factor: °C Final Temp: °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot#	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	☒	☐	☐	<u>10243241</u>	<u> </u>
Chain of Custody Filled Out:	☒	☐	☐		
-Were client corrections present on COC	☐	☒	☐		
Chain of Custody Relinquished	☒	☐	☐		
Sampler Name & Signature on COC:	☐	☒	☐		
Sample Labels match COC:	☒	☐	☐		
-Includes date/time/ID					
Matrix: <u>WT</u>					
Samples Arrived within Hold Time:	☒	☐	☐		
Short Hold Time Analysis (<72hr remaining):	☐	☒	☐		
Rush Turn Around Time Requested:	☐	☒	☐		
Sufficient Volume:	☒	☐	☐		
Correct Containers Used:	☒	☐	☐		
-Pace Containers Used	☒	☐	☐		
Containers Intact:	☒	☐	☐		
Orthophosphate field filtered:	☐	☐	☒		
Hex Cr Aqueous samples field filtered:	☐	☐	☒		
Organic Samples checked for dichlorination	☐	☐	☒		
Filtered volume received for dissolved tests:	☐	☐	☒		
All containers checked for preservation:	☒	☐	☐		
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix					
All containers meet method preservation requirements:	☐	☒	☐	Initial when completed <u>MS</u>	Date/Time of Preservation <u>5/22/25 15:00</u>
				Lot# of added Preservative <u>30214851</u>	
8260C/D: Headspace in VOA Vials (> 6mm)	☐	☐	☒		
624.1: Headspace in VOA Vials (0mm)	☐	☐	☒		
Radon: Headspace in RAD Vials (0mm)	☐	☐	☒		
Trip Blank Present:	☐	☐	☒		
				Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	☒	☐	☐	Initial when completed <u>BF</u>	Date: <u>5-22-25</u> Survey Meter SN: <u>350M380</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.
Qualtrax ID: 55680



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: TMY
Date: 6/6/2025
Batch ID: 85401
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3643856	
MB concentration:	0.168	
M/B 2 Sigma CSU:	0.309	
MB MDC:	0.550	
MB Numerical Performance Indicator:	1.07	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCSD85401	LCSD85401
Count Date:	6/19/2025	6/19/2025
Spike I.D.:	24-046	24-046
Spike Concentration (pCi/mL):	31.830	31.830
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.653	0.655
Target Conc. (pCi/L, g, F):	4.872	4.859
Uncertainty (Calculated):	0.229	0.228
Result (pCi/L, g, F):	4.124	4.874
LCSD/LCSD 2 Sigma CSU (pCi/L, g, F):	1.076	1.278
Numerical Performance Indicator:	-1.33	0.02
Percent Recovery:	84.64%	100.29%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCSD85401	Enter Duplicate sample IDs if other than LCSD/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85401	
Sample Result (pCi/L, g, F):	4.124	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.076	
Sample Duplicate Result (pCi/L, g, F):	4.874	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.278	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.879	
(Based on the LCSD/LCSD Percent Recoveries) Duplicate RPD:	16.92%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

TJ 6-19-25

6/19/25



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: ZPC
Date: 6/13/2025
Worklist: 85402
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3643860
MB concentration: 0.932
M/B 2 Sigma CSU: 0.423
MB MDC: 0.689
MB Numerical Performance Indicator: 4.32
MB Status vs Numerical Indicator: Fail*
MB Status vs. MDC: See Comment*

Laboratory Control Sample Assessment

	LCS/D (Y or N)?	Y
	LCS85402	LCS85402
Count Date:	6/18/2025	6/18/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	32.211	32.211
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.821
Target Conc. (pCi/L, g, F):	3.930	3.924
Uncertainty (Calculated):	0.193	0.192
Result (pCi/L, g, F):	3.209	3.068
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.831	0.787
Numerical Performance Indicator:	-1.65	-2.07
Percent Recovery:	81.67%	78.20%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment

Sample I.D.:	LCS85402	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85402	
Sample Result (pCi/L, g, F):	3.209	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.831	
Sample Duplicate Result (pCi/L, g, F):	3.068	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.787	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.241	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.34%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*The method blank result is below the reporting limit for this analysis and is acceptable.

Mu/2025



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: CLM
Date: 6/6/2025
Batch ID: 85403
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3643864	
MB concentration:	0.140	
MB 2 Sigma CSU:	0.330	
MB MDC:	0.611	
MB Numerical Performance Indicator:	0.83	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCSD85403	LCSD85403
Count Date:	6/19/2025	6/19/2025
Spike I.D.:	24-046	24-046
Spike Concentration (pCi/mL):	31.830	31.830
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.655	0.650
Target Conc. (pCi/L, g, F):	4.861	4.893
Uncertainty (Calculated):	0.228	0.230
Result (pCi/L, g, F):	5.790	4.673
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.299	1.112
Numerical Performance Indicator:	1.38	-0.38
Percent Recovery:	119.10%	95.50%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Duplicate Sample Assessment		
Sample I.D.:	LCS85403	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85403	
Sample Result (pCi/L, g, F):	5.790	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.299	
Sample Duplicate Result (pCi/L, g, F):	4.673	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.112	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.280	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.99%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

74 6-19-25

14M6/19/25



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: VAL
Date: 6/13/2025
Worklist: 85404
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3643865
MB concentration: 0.218
M/B 2 Sigma CSU: 0.297
MB MDC: 0.634
MB Numerical Performance Indicator: 1.44
MB Status vs Numerical Indicator: Pass
MB Status vs. MDC: Pass

Laboratory Control Sample Assessment

	LCSD (Y or N)?	Y
	LCSD85404	LCSD85404
Count Date:	6/18/2025	6/18/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	32.212	32.212
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.819
Target Conc. (pCi/L, g, F):	3.931	3.934
Uncertainty (Calculated):	0.193	0.193
Result (pCi/L, g, F):	3.451	3.434
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.805	0.811
Numerical Performance Indicator:	-1.14	-1.18
Percent Recovery:	87.78%	87.29%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment

	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment

Duplicate Sample Assessment		
Sample I.D.:	LCS85404	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85404	
Sample Result (pCi/L, g, F):	3.451	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.805	
Sample Duplicate Result (pCi/L, g, F):	3.434	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.811	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.029	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	0.56%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
MS/MSD Duplicate Status vs Numerical Indicator:	
MS/MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

M6/20/25



June 19, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in cursive script that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Colorado Division of Oil and Public Safety

Illinois Certification #: 2000302023-6

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60475332001	LAC-MW-6-051325	Water	05/13/25 15:45	05/15/25 12:55
60475332002	LAC-MW-7-051325	Water	05/13/25 16:40	05/15/25 12:55
60475332003	LAC-MW-13-051325	Water	05/13/25 11:30	05/15/25 12:55
60475332004	LAC-MW-14R-051325	Water	05/13/25 10:35	05/15/25 12:55
60475332005	LAC-MW-15-051325	Water	05/13/25 10:20	05/15/25 12:55
60475332006	LAC-MW-601-051325	Water	05/13/25 12:10	05/15/25 12:55
60475332007	LAC-MW-602-051325	Water	05/13/25 11:20	05/15/25 12:55
60475332008	LAC-MW-701-051325	Water	05/13/25 14:15	05/15/25 12:55
60475332009	LAC-MW-702-051325	Water	05/13/25 14:30	05/15/25 12:55
60475332010	LAC-MW-703-051325	Water	05/13/25 13:40	05/15/25 12:55
60475332011	LAC-MW-704-051325	Water	05/13/25 12:55	05/15/25 12:55
60475332012	LAC-MW-705-051225	Water	05/12/25 18:00	05/15/25 12:55
60475332013	LAC-MW-706-051225	Water	05/12/25 18:00	05/15/25 12:55
60475332014	LAC-MW-707B-051225	Water	05/12/25 15:55	05/15/25 12:55
60475332015	LAC-MW-708-051225	Water	05/12/25 16:05	05/15/25 12:55
60475332016	LAC-MW-801-051225	Water	05/12/25 14:50	05/15/25 12:55
60475332017	LAC-MW-802-051225	Water	05/12/25 13:45	05/15/25 12:55
60475332018	LAC-MW-803-051225	Water	05/12/25 14:15	05/15/25 12:55
60475332019	LAC-MW-804-051225	Water	05/12/25 12:40	05/15/25 12:55
60475332020	LAC-MW-805-051225	Water	05/12/25 12:25	05/15/25 12:55
60475332021	LAC-TW-1-05-1225	Water	05/12/25 17:00	05/15/25 12:55
60475332022	LAC-DUP1-051225	Water	05/12/25 12:25	05/15/25 12:55
60475332023	LAC-DUP2-051325	Water	05/13/25 14:15	05/15/25 12:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475332001	LAC-MW-6-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332002	LAC-MW-7-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332003	LAC-MW-13-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332004	LAC-MW-14R-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332005	LAC-MW-15-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332006	LAC-MW-601-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475332007	LAC-MW-602-051325	EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
60475332008	LAC-MW-701-051325	SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
60475332009	LAC-MW-702-051325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
60475332010	LAC-MW-703-051325	SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332011	LAC-MW-704-051325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 200.8	JGP	5	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475332012	LAC-MW-705-051225	SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
60475332013	LAC-MW-706-051225	SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332014	LAC-MW-707B-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
60475332015	LAC-MW-708-051225	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
60475332016	LAC-MW-801-051225	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475332017	LAC-MW-802-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332018	LAC-MW-803-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332019	LAC-MW-804-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332020	LAC-MW-805-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332021	LAC-TW-1-05-1225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
60475332022	LAC-DUP1-051225	EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60475332023	LAC-DUP2-051325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	5	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	BMT	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		EPA 300.0	MLD	3	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: June 19, 2025

General Information:

23 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 935903

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475320002,60475332004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3709656)
 - Calcium
- MS (Lab ID: 3709658)
 - Calcium
- MSD (Lab ID: 3709657)
 - Boron

R1: RPD value was outside control limits.

- MSD (Lab ID: 3709657)
 - Boron
 - Calcium

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: EPA 6010

Description: 6010 MET ICP

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

General Information:

23 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 936081

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475332014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3710622)
- Lithium

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

General Information:

23 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 935951

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- LAC-MW-707B-051225 (Lab ID: 60475332014)
- Lead, Total Recoverable

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: June 19, 2025

General Information:

23 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

General Information:

23 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 935684

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 3708837)
- Total Dissolved Solids

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

General Information:

23 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-DUP1-051225 (Lab ID: 60475332022)
- LAC-DUP2-051325 (Lab ID: 60475332023)
- LAC-MW-13-051325 (Lab ID: 60475332003)
- LAC-MW-14R-051325 (Lab ID: 60475332004)
- LAC-MW-15-051325 (Lab ID: 60475332005)
- LAC-MW-6-051325 (Lab ID: 60475332001)
- LAC-MW-601-051325 (Lab ID: 60475332006)
- LAC-MW-602-051325 (Lab ID: 60475332007)
- LAC-MW-7-051325 (Lab ID: 60475332002)
- LAC-MW-701-051325 (Lab ID: 60475332008)
- LAC-MW-702-051325 (Lab ID: 60475332009)
- LAC-MW-703-051325 (Lab ID: 60475332010)
- LAC-MW-704-051325 (Lab ID: 60475332011)
- LAC-MW-705-051225 (Lab ID: 60475332012)
- LAC-MW-706-051225 (Lab ID: 60475332013)
- LAC-MW-707B-051225 (Lab ID: 60475332014)
- LAC-MW-708-051225 (Lab ID: 60475332015)
- LAC-MW-801-051225 (Lab ID: 60475332016)
- LAC-MW-802-051225 (Lab ID: 60475332017)
- LAC-MW-803-051225 (Lab ID: 60475332018)
- LAC-MW-804-051225 (Lab ID: 60475332019)
- LAC-MW-805-051225 (Lab ID: 60475332020)
- LAC-TW-1-05-1225 (Lab ID: 60475332021)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

General Information:

23 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-13-051325 (Lab ID: 60475332003)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 937713

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475118003,60475332016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3717657)
 - Chloride
 - Fluoride
 - Sulfate
- MS (Lab ID: 3717659)
 - Chloride
 - Fluoride
- MSD (Lab ID: 3717660)
 - Chloride
 - Fluoride

QC Batch: 937863

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475320002,60475332007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3718402)
 - Chloride
 - Fluoride
- MS (Lab ID: 3718404)
 - Fluoride
- MSD (Lab ID: 3718403)
 - Chloride
 - Fluoride

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: June 19, 2025

QC Batch: 937915

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60475110001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3718564)
 - Chloride
 - Sulfate
- MSD (Lab ID: 3718565)
 - Chloride

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 937713

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3717661)
 - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 937713

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3717659)
 - Chloride
- MSD (Lab ID: 3717660)
 - Chloride

QC Batch: 937863

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3718402)
 - Chloride
- MS (Lab ID: 3718404)
 - Chloride
- MSD (Lab ID: 3718403)
 - Chloride

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-6-051325		Lab ID: 60475332001	Collected: 05/13/25 15:45	Received: 05/15/25 12:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.0	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:17	7440-42-8	
Calcium, Total Recoverable	64.8	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:17	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.044	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:27	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.15	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:39	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:39	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:39	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:39	7439-92-1	
Molybdenum, Total Recoverable	0.0015	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:39	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:20	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1190	mg/L	40.0	1		05/20/25 15:41		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.5	Std. Units	0.10	1		05/16/25 19:36		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	185	mg/L	10.0	10		06/10/25 03:43	16887-00-6	
Fluoride	0.27	mg/L	0.20	1		06/10/25 03:30	16984-48-8	
Sulfate	98.0	mg/L	10.0	10		06/10/25 03:43	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-7-051325		Lab ID: 60475332002		Collected: 05/13/25 16:40		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.4	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:19	7440-42-8		
Calcium, Total Recoverable	20.2	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:19	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.066	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:35	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.47	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:42	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:42	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:42	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:42	7439-92-1		
Molybdenum, Total Recoverable	0.0012	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:42	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:23	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	996	mg/L	20.0	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	8.0	Std. Units	0.10	1		05/16/25 19:36		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	100	mg/L	10.0	10		06/10/25 04:10	16887-00-6		
Fluoride	0.87	mg/L	0.20	1		06/10/25 03:57	16984-48-8		
Sulfate	1.2	mg/L	1.0	1		06/10/25 03:57	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-13-051325		Lab ID: 60475332003		Collected: 05/13/25 11:30		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.29	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:21	7440-42-8		
Calcium, Total Recoverable	332	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:21	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.050	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:37	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.017	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:44	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:44	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:44	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:44	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:44	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:25	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2610	mg/L	66.7	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.8	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	32.3	mg/L	10.0	10		06/10/25 04:36	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/10/25 04:23	16984-48-8		
Sulfate	1360	mg/L	200	200		06/11/25 00:45	14808-79-8	H1	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-14R-051325		Lab ID: 60475332004		Collected: 05/13/25 10:35		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.73	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:22	7440-42-8	M1	
Calcium, Total Recoverable	51.2	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:22	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.036	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:39	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.039	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:52	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:52	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:52	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:52	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:52	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:27	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	576	mg/L	13.3	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	7.0	mg/L	1.0	1		06/10/25 04:49	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/10/25 04:49	16984-48-8		
Sulfate	100	mg/L	10.0	10		06/10/25 05:02	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-15-051325		Lab ID: 60475332005		Collected: 05/13/25 10:20		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.20	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:26	7440-42-8		
Calcium, Total Recoverable	91.7	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:26	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.022	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:40	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.051	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:54	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 11:37	05/30/25 15:54	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:54	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:54	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 11:37	05/30/25 15:54	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:29	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	779	mg/L	13.3	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.3	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	11.3	mg/L	1.0	1		06/10/25 05:43	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/10/25 05:43	16984-48-8		
Sulfate	183	mg/L	10.0	10		06/10/25 05:57	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-601-051325		Lab ID: 60475332006		Collected: 05/13/25 12:10		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.7	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:41	7440-42-8		
Calcium, Total Recoverable	13.8	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:41	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.067	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:42	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.12	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:17	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:17	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:17	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:17	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:17	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:36	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1010	mg/L	20.0	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	163	mg/L	10.0	10		06/10/25 06:25	16887-00-6		
Fluoride	1.2	mg/L	0.20	1		06/10/25 06:11	16984-48-8		
Sulfate	5.9	mg/L	1.0	1		06/10/25 06:11	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-602-051325		Lab ID: 60475332007		Collected: 05/13/25 11:20		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.1	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:47	7440-42-8		
Calcium, Total Recoverable	20.4	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:47	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.050	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:44	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.092	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:02	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:02	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:02	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:02	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:02	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:39	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	619	mg/L	13.3	1		05/20/25 15:41			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	16.6	mg/L	1.0	1		06/10/25 06:39	16887-00-6		
Fluoride	0.76	mg/L	0.20	1		06/10/25 06:39	16984-48-8	M1	
Sulfate	27.5	mg/L	10.0	10		06/10/25 07:06	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-701-051325		Lab ID: 60475332008		Collected: 05/13/25 14:15		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.84	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:48	7440-42-8		
Calcium, Total Recoverable	42.3	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:48	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.041	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:46	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.20	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:20	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:20	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:20	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:20	7439-92-1		
Molybdenum, Total Recoverable	0.0011	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:20	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:41	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	604	mg/L	13.3	1		05/20/25 15:42			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	46.9	mg/L	10.0	10		06/10/25 07:48	16887-00-6		
Fluoride	0.20	mg/L	0.20	1		06/10/25 07:34	16984-48-8		
Sulfate	81.8	mg/L	10.0	10		06/10/25 07:48	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-702-051325		Lab ID: 60475332009		Collected: 05/13/25 14:30		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.7	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:50	7440-42-8		
Calcium, Total Recoverable	16.5	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:50	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.057	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:48	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.48	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:23	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:23	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:23	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:23	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:23	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:43	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	703	mg/L	13.3	1		05/20/25 15:42			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.9	Std. Units	0.10	1		05/16/25 19:36		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	46.9	mg/L	10.0	10		06/10/25 08:43	16887-00-6		
Fluoride	0.66	mg/L	0.20	1		06/10/25 08:30	16984-48-8		
Sulfate	<1.0	mg/L	1.0	1		06/10/25 08:30	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-703-051325		Lab ID: 60475332010		Collected: 05/13/25 13:40		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.99	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:52	7440-42-8		
Calcium, Total Recoverable	40.3	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:52	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.036	mg/L	0.010	1	05/22/25 12:18	06/06/25 19:59	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.32	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:26	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:26	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:26	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:26	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:26	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:50	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	853	mg/L	13.3	1		05/20/25 15:42			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.3	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	45.9	mg/L	10.0	10		06/10/25 09:11	16887-00-6		
Fluoride	0.53	mg/L	0.20	1		06/10/25 08:57	16984-48-8		
Sulfate	79.4	mg/L	10.0	10		06/10/25 09:11	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-704-051325		Lab ID: 60475332011		Collected: 05/13/25 12:55		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.8	mg/L	0.10	1	05/21/25 14:27	06/06/25 20:43	7440-42-8		
Calcium, Total Recoverable	19.9	mg/L	0.20	1	05/21/25 14:27	06/06/25 20:43	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.087	mg/L	0.010	1	05/22/25 12:18	06/06/25 20:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.068	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:34	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:34	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:34	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:34	7439-92-1		
Molybdenum, Total Recoverable	0.0031	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:34	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 10:57	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1280	mg/L	40.0	1		05/20/25 15:42			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	76.0	mg/L	10.0	10		06/10/25 09:39	16887-00-6		
Fluoride	0.46	mg/L	0.20	1		06/10/25 09:25	16984-48-8		
Sulfate	135	mg/L	10.0	10		06/10/25 09:39	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-705-051225		Lab ID: 60475332012		Collected: 05/12/25 18:00		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.9	mg/L	0.10	1	05/21/25 14:27	06/06/25 20:45	7440-42-8		
Calcium, Total Recoverable	26.6	mg/L	0.20	1	05/21/25 14:27	06/06/25 20:45	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.11	mg/L	0.010	1	05/22/25 12:18	06/06/25 20:03	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.088	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:37	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/21/25 14:27	05/29/25 13:37	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:37	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:37	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/21/25 14:27	05/29/25 13:37	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:04	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1080	mg/L	20.0	1		05/19/25 15:05			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	141	mg/L	10.0	10		06/06/25 20:27	16887-00-6		
Fluoride	0.63	mg/L	0.20	1		06/06/25 20:14	16984-48-8		
Sulfate	40.4	mg/L	10.0	10		06/06/25 20:27	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-706-051225		Lab ID: 60475332013		Collected: 05/12/25 18:00		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.9	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:28	7440-42-8		
Calcium, Total Recoverable	22.5	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:28	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.12	mg/L	0.010	1	05/22/25 12:18	06/06/25 20:04	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.19	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:05	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:05	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:05	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:05	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:05	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:06	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1300	mg/L	40.0	1		05/19/25 15:06			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	261	mg/L	50.0	50		06/09/25 17:03	16887-00-6		
Fluoride	0.62	mg/L	0.20	1		06/09/25 16:50	16984-48-8		
Sulfate	9.1	mg/L	1.0	1		06/09/25 16:50	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-707B-051225		Lab ID: 60475332014		Collected: 05/12/25 15:55		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.6	mg/L	0.10	1	05/21/25 14:27	06/06/25 21:30	7440-42-8		
Calcium, Total Recoverable	344	mg/L	0.20	1	05/21/25 14:27	06/06/25 21:30	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	1.1	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:16	7439-93-2	M1	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.020	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:15	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:15	7440-43-9		
Cobalt, Total Recoverable	0.0085	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:15	7440-48-4		
Lead, Total Recoverable	<0.0020	mg/L	0.0020	2	05/22/25 07:40	05/31/25 15:28	7439-92-1	D3	
Molybdenum, Total Recoverable	0.0047	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:15	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:08	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	8920	mg/L	250	1		05/19/25 15:06			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.9	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	157	mg/L	10.0	10		06/09/25 17:29	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/09/25 17:16	16984-48-8		
Sulfate	5500	mg/L	1000	1000		06/09/25 17:42	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-708-051225		Lab ID: 60475332015		Collected: 05/12/25 16:05		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.4	mg/L	0.10	1	05/22/25 07:40	06/02/25 20:10	7440-42-8		
Calcium, Total Recoverable	28.2	mg/L	0.20	1	05/22/25 07:40	06/02/25 20:10	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.071	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:21	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.22	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:17	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:17	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:17	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:17	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:17	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:11	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	696	mg/L	13.3	1		05/19/25 15:06			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	51.7	mg/L	10.0	10		06/06/25 22:12	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/06/25 21:59	16984-48-8		
Sulfate	10.5	mg/L	1.0	1		06/06/25 21:59	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-801-051225		Lab ID: 60475332016		Collected: 05/12/25 14:50		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.1	mg/L	0.10	1	05/22/25 07:40	06/02/25 20:16	7440-42-8		
Calcium, Total Recoverable	23.9	mg/L	0.20	1	05/22/25 07:40	06/02/25 20:16	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.083	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:23	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.48	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:20	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:20	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:20	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:20	7439-92-1		
Molybdenum, Total Recoverable	0.0034	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:20	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:13	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	854	mg/L	20.0	1		05/19/25 15:06			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	93.3	mg/L	10.0	10		06/06/25 22:51	16887-00-6	M1	
Fluoride	0.73	mg/L	0.20	1		06/06/25 22:25	16984-48-8	M1	
Sulfate	1.4	mg/L	1.0	1		06/06/25 22:25	14808-79-8	M1	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-802-051225		Lab ID: 60475332017	Collected: 05/12/25 13:45		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.8	mg/L	0.10	1	05/22/25 07:40	06/02/25 20:18	7440-42-8	
Calcium, Total Recoverable	32.1	mg/L	0.20	1	05/22/25 07:40	06/02/25 20:18	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.065	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:25	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.77	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:25	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:25	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:25	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:25	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:25	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:15	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	665	mg/L	13.3	1		05/19/25 15:06		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		05/16/25 19:39		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	35.2	mg/L	10.0	10		06/06/25 23:56	16887-00-6	
Fluoride	0.21	mg/L	0.20	1		06/06/25 23:17	16984-48-8	
Sulfate	3.1	mg/L	1.0	1		06/06/25 23:17	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-803-051225		Lab ID: 60475332018		Collected: 05/12/25 14:15		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.8	mg/L	0.10	1	05/22/25 07:40	06/02/25 20:19	7440-42-8		
Calcium, Total Recoverable	42.9	mg/L	0.20	1	05/22/25 07:40	06/02/25 20:19	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.060	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:27	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.22	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:28	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:28	7440-43-9		
Cobalt, Total Recoverable	0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:28	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:28	7439-92-1		
Molybdenum, Total Recoverable	0.0039	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:28	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:18	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	689	mg/L	13.3	1		05/19/25 15:06			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	51.5	mg/L	10.0	10		06/07/25 00:23	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/07/25 00:10	16984-48-8		
Sulfate	43.4	mg/L	10.0	10		06/07/25 00:23	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-804-051225		Lab ID: 60475332019	Collected: 05/12/25 12:40	Received: 05/15/25 12:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.4	mg/L	0.10	1	05/22/25 07:40	06/02/25 20:21	7440-42-8	
Calcium, Total Recoverable	63.3	mg/L	0.20	1	05/22/25 07:40	06/02/25 20:21	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.036	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:34	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.15	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:30	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:30	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:30	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:30	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:30	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:20	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	597	mg/L	13.3	1		05/19/25 15:07		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.3	Std. Units	0.10	1		05/16/25 19:39		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	41.8	mg/L	10.0	10		06/07/25 00:49	16887-00-6	
Fluoride	<0.20	mg/L	0.20	1		06/07/25 00:36	16984-48-8	
Sulfate	26.3	mg/L	10.0	10		06/07/25 00:49	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-MW-805-051225		Lab ID: 60475332020		Collected: 05/12/25 12:25		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.50	mg/L	0.10	1	05/22/25 07:40	06/02/25 19:59	7440-42-8		
Calcium, Total Recoverable	470	mg/L	0.20	1	05/22/25 07:40	06/02/25 19:59	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.020	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:36	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.028	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:36	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:36	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:36	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:36	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:36	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:24	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2370	mg/L	100	1		05/19/25 15:07			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.4	Std. Units	0.10	1		05/16/25 19:39		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	541	mg/L	100	100		06/09/25 18:08	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/09/25 17:55	16984-48-8		
Sulfate	758	mg/L	100	100		06/09/25 18:08	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-TW-1-05-1225		Lab ID: 60475332021	Collected: 05/12/25 17:00		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.3	mg/L	0.10	1	05/22/25 07:40	06/02/25 18:50	7440-42-8	
Calcium, Total Recoverable	23.0	mg/L	0.20	1	05/22/25 07:40	06/02/25 18:50	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.13	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:38	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.057	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:38	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:38	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:38	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:38	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:38	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:31	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1080	mg/L	20.0	1		05/19/25 15:07		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.8	Std. Units	0.10	1		05/16/25 19:39		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	42.1	mg/L	10.0	10		06/07/25 01:41	16887-00-6	
Fluoride	<0.20	mg/L	0.20	1		06/07/25 01:28	16984-48-8	
Sulfate	71.2	mg/L	10.0	10		06/07/25 01:41	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-DUP1-051225		Lab ID: 60475332022	Collected: 05/12/25 12:25		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	0.45	mg/L	0.10	1	05/22/25 07:40	06/02/25 18:52	7440-42-8	
Calcium, Total Recoverable	428	mg/L	0.20	1	05/22/25 07:40	06/02/25 18:52	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.020	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:40	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Barium, Total Recoverable	0.029	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:41	7440-39-3	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:41	7440-43-9	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:41	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:41	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:41	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:34	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	2500	mg/L	100	1		05/19/25 15:07		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	6.4	Std. Units	0.10	1		05/16/25 19:39		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	509	mg/L	100	100		06/09/25 18:34	16887-00-6	
Fluoride	<0.20	mg/L	0.20	1		06/09/25 18:21	16984-48-8	
Sulfate	718	mg/L	100	100		06/09/25 18:34	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Sample: LAC-DUP2-051325		Lab ID: 60475332023		Collected: 05/13/25 14:15		Received: 05/15/25 12:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.86	mg/L	0.10	1	05/22/25 07:40	06/02/25 18:54	7440-42-8		
Calcium, Total Recoverable	43.9	mg/L	0.20	1	05/22/25 07:40	06/02/25 18:54	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.042	mg/L	0.010	1	05/22/25 15:25	06/06/25 20:42	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Barium, Total Recoverable	0.21	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:46	7440-39-3		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	05/22/25 07:40	05/30/25 16:46	7440-43-9		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:46	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:46	7439-92-1		
Molybdenum, Total Recoverable	0.0011	mg/L	0.0010	1	05/22/25 07:40	05/30/25 16:46	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	05/22/25 13:25	05/27/25 11:36	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	605	mg/L	13.3	1		05/20/25 15:42			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		05/16/25 19:40		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	49.7	mg/L	10.0	10		06/10/25 10:07	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		06/10/25 09:53	16984-48-8		
Sulfate	81.1	mg/L	10.0	10		06/10/25 10:07	14808-79-8		

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	936132	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009

METHOD BLANK:	3710906	Matrix:	Water
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Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	05/27/25 09:41	

LABORATORY CONTROL SAMPLE:		3710907				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3710908		3710909						
		60475281001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Parameter	Units	Result											
Mercury	ug/L	ND	5	5	5.1	4.8	101	96	70-130	6	20		

MATRIX SPIKE SAMPLE:		3710910					
		60475320008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.20	5	4.7	93	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	936133	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332010, 60475332011, 60475332012, 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023

METHOD BLANK: 3710911 Matrix: Water

Associated Lab Samples: 60475332010, 60475332011, 60475332012, 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	05/27/25 10:45	

LABORATORY CONTROL SAMPLE: 3710912		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
Mercury	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3710913	3710914									
Parameter	Units	60475332010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.2	4.2	83	84	70-130	1	20	

MATRIX SPIKE SAMPLE:		3710915	60475332019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units							
Mercury	ug/L		<0.20	5	4.8	94	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch: 935903 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332013, 60475332014

METHOD BLANK: 3709654 Matrix: Water
Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332013, 60475332014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/06/25 20:53	
Calcium	mg/L	<0.20	0.20	06/06/25 20:53	

LABORATORY CONTROL SAMPLE: 3709655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.89	89	85-115	
Calcium	mg/L	10	9.4	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709656 3709657

Parameter	Units	60475320002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.24	1	4	1.2	2.2	96	49	70-130	59	20	M1, R1
Calcium	mg/L	19.5	10	40	35.7	63.4	162	110	70-130	56	20	M1, R1

MATRIX SPIKE SAMPLE: 3709658

Parameter	Units	60475332004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.73	1	1.6	88	70-130	
Calcium	mg/L	51.2	10	57.4	62	70-130	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935915	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012

METHOD BLANK: 3709672 Matrix: Water
Associated Lab Samples: 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/06/25 21:37	
Calcium	mg/L	<0.20	0.20	06/06/25 21:37	

LABORATORY CONTROL SAMPLE: 3709673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.88	88	85-115	
Calcium	mg/L	10	9.3	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709674 3709675

Parameter	Units	60475332006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	1.7	1	1	2.6	2.6	85	91	70-130	2	20	
Calcium	mg/L	13.8	10	10	22.6	23.3	88	95	70-130	3	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935950	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023

METHOD BLANK: 3710005 Matrix: Water
Associated Lab Samples: 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/02/25 20:07	
Calcium	mg/L	<0.20	0.20	06/02/25 20:07	

LABORATORY CONTROL SAMPLE: 3710006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.95	95	85-115	
Calcium	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710007 3710008

Parameter	Units	60475332015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	1.4	1	1	2.3	2.3	89	95	70-130	3	20	
Calcium	mg/L	28.2	10	10	36.9	38.1	86	98	70-130	3	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	935901	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005

METHOD BLANK: 3709643

Matrix: Water

Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/L	<0.0010	0.0010	05/30/25 15:02	
Cadmium	mg/L	<0.00050	0.00050	05/30/25 15:02	
Cobalt	mg/L	<0.0010	0.0010	05/30/25 15:02	
Lead	mg/L	<0.0010	0.0010	05/30/25 15:02	
Molybdenum	mg/L	<0.0010	0.0010	05/30/25 15:02	

LABORATORY CONTROL SAMPLE: 3709644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.04	0.039	98	85-115	
Cadmium	mg/L	0.04	0.041	102	85-115	
Cobalt	mg/L	0.04	0.041	103	85-115	
Lead	mg/L	0.04	0.039	99	85-115	
Molybdenum	mg/L	0.04	0.040	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709645 3709646

Parameter	Units	60475320001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.12	0.04	0.04	0.16	0.16	108	104	70-130	1	20	
Cadmium	mg/L	<0.00050	0.04	0.04	0.038	0.037	94	93	70-130	1	20	
Cobalt	mg/L	0.0072	0.04	0.04	0.049	0.049	104	103	70-130	0	20	
Lead	mg/L	0.0014	0.04	0.04	0.043	0.042	105	103	70-130	2	20	
Molybdenum	mg/L	0.0094	0.04	0.04	0.049	0.049	100	99	70-130	0	20	

MATRIX SPIKE SAMPLE: 3709647

Parameter	Units	60475332003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.017	0.04	0.058	103	70-130	
Cadmium	mg/L	<0.00050	0.04	0.036	91	70-130	
Cobalt	mg/L	<0.0010	0.04	0.043	108	70-130	
Lead	mg/L	<0.0010	0.04	0.042	104	70-130	
Molybdenum	mg/L	<0.0010	0.04	0.042	105	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935916	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012

METHOD BLANK: 3709677 Matrix: Water
Associated Lab Samples: 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/L	<0.0010	0.0010	05/29/25 12:56	
Cadmium	mg/L	<0.00050	0.00050	05/29/25 12:56	
Cobalt	mg/L	<0.0010	0.0010	05/29/25 12:56	
Lead	mg/L	<0.0010	0.0010	05/29/25 12:56	
Molybdenum	mg/L	<0.0010	0.0010	05/29/25 12:56	

LABORATORY CONTROL SAMPLE: 3709678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.04	0.040	100	85-115	
Cadmium	mg/L	0.04	0.042	104	85-115	
Cobalt	mg/L	0.04	0.040	100	85-115	
Lead	mg/L	0.04	0.041	102	85-115	
Molybdenum	mg/L	0.04	0.040	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3709906 3709907

Parameter	Units	60475332007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.092	0.04	0.04	0.13	0.13	106	104	70-130	1	20	
Cadmium	mg/L	<0.00050	0.04	0.04	0.039	0.039	98	97	70-130	1	20	
Cobalt	mg/L	<0.0010	0.04	0.04	0.041	0.041	102	101	70-130	1	20	
Lead	mg/L	<0.0010	0.04	0.04	0.038	0.038	95	94	70-130	1	20	
Molybdenum	mg/L	<0.0010	0.04	0.04	0.042	0.042	105	104	70-130	1	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	935951	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023		

METHOD BLANK: 3710010

Matrix: Water

Associated Lab Samples: 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/L	<0.0010	0.0010	05/30/25 16:00	
Cadmium	mg/L	<0.00050	0.00050	05/30/25 16:00	
Cobalt	mg/L	<0.0010	0.0010	05/30/25 16:00	
Lead	mg/L	<0.0010	0.0010	05/30/25 16:00	
Molybdenum	mg/L	<0.0010	0.0010	05/30/25 16:00	

LABORATORY CONTROL SAMPLE: 3710011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.04	0.039	97	85-115	
Cadmium	mg/L	0.04	0.039	98	85-115	
Cobalt	mg/L	0.04	0.040	99	85-115	
Lead	mg/L	0.04	0.039	97	85-115	
Molybdenum	mg/L	0.04	0.040	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710012 3710013

Parameter	Units	60475332013		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Conc.	Spike	Spike								
Barium	mg/L	0.19	0.04	0.04	0.04	0.23	0.23	92	91	70-130	0	20	
Cadmium	mg/L	<0.00050	0.04	0.04	0.04	0.036	0.036	91	91	70-130	0	20	
Cobalt	mg/L	<0.0010	0.04	0.04	0.04	0.041	0.042	102	104	70-130	2	20	
Lead	mg/L	<0.0010	0.04	0.04	0.04	0.041	0.041	102	103	70-130	1	20	
Molybdenum	mg/L	<0.0010	0.04	0.04	0.04	0.043	0.043	105	106	70-130	1	20	

MATRIX SPIKE SAMPLE: 3710014

Parameter	Units	60475332023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.21	0.04	0.24	85	70-130	
Cadmium	mg/L	<0.00050	0.04	0.036	91	70-130	
Cobalt	mg/L	<0.0010	0.04	0.040	99	70-130	
Lead	mg/L	<0.0010	0.04	0.040	100	70-130	
Molybdenum	mg/L	0.0011	0.04	0.042	102	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935957	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012, 60475332013

METHOD BLANK:	3710031	Matrix:	Water
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Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332012, 60475332013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	06/06/25 19:13	

LABORATORY CONTROL SAMPLE: 3710032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.92	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3710034 3710035

Parameter	Units	60475332009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.057	1	1	1.0	0.91	97	85	75-125	12	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	936081	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023		

METHOD BLANK:	3710619	Matrix:	Water
Associated Lab Samples:	60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	06/06/25 20:12	

LABORATORY CONTROL SAMPLE:	3710620					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3710621			3710622								
Parameter	Units	60475332014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	1.1	1	1	2.1	1.8	94	70	75-125	12	20	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935534	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332012, 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022

METHOD BLANK: 3708425 Matrix: Water

Associated Lab Samples: 60475332012, 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	05/19/25 15:05	

LABORATORY CONTROL SAMPLE: 3708426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	960	96	80-120	

SAMPLE DUPLICATE: 3708428

Parameter	Units	60475110005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	10200	10600	4	10	

SAMPLE DUPLICATE: 3711454

Parameter	Units	60475332012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1080	1050	2	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	935683	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007

METHOD BLANK: 3708833 Matrix: Water
Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	05/20/25 15:39	

LABORATORY CONTROL SAMPLE: 3708834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	964	96	80-120	

SAMPLE DUPLICATE: 3708835

Parameter	Units	60475332008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	422	428	1	10	

SAMPLE DUPLICATE: 3708836

Parameter	Units	604753320002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	558	561	1	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch: 935684

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332008, 60475332009, 60475332010, 60475332011, 60475332023

METHOD BLANK: 3708837

Matrix: Water

Associated Lab Samples: 60475332008, 60475332009, 60475332010, 60475332011, 60475332023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	6.0	5.0	05/20/25 15:41	P8

LABORATORY CONTROL SAMPLE: 3708838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	972	97	80-120	

SAMPLE DUPLICATE: 3708839

Parameter	Units	60475332008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	604	595	2	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	935423	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332010, 60475332011, 60475332012, 60475332013, 60475332014, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332020, 60475332021, 60475332022, 60475332023		

SAMPLE DUPLICATE: 3707775

Parameter	Units	60475332020 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.4	6.4	0	5	H3

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch: 935443

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332001, 60475332002, 60475332009

SAMPLE DUPLICATE: 3707922

Parameter	Units	60475395001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.1	0	5	H3

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	937713	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332012, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332021

METHOD BLANK: 3717653

Matrix: Water

Associated Lab Samples: 60475332012, 60475332015, 60475332016, 60475332017, 60475332018, 60475332019, 60475332021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	06/06/25 16:06	
Fluoride	mg/L	<0.20	0.20	06/06/25 16:06	
Sulfate	mg/L	<1.0	1.0	06/06/25 16:06	

LABORATORY CONTROL SAMPLE: 3717654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	100	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 3717657

Parameter	Units	60475332016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	93.3	50	94.7	3	80-120	H1,M1
Fluoride	mg/L	0.73	2.5	2.5	73	80-120	M1
Sulfate	mg/L	1.4	5	5.2	76	80-120	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3717659 3717660

Parameter	Units	60475118003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.4	5	5	23.1	22.9	75	70	80-120	1	15	E,M1
Fluoride	mg/L	<0.12	2.5	2.5	1.8	1.7	70	67	80-120	5	15	M1
Sulfate	mg/L	51.5	50	50	105	105	107	107	80-120	0	15	H1

SAMPLE DUPLICATE: 3717661

Parameter	Units	60475118003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	19.4	19.7	2	15	
Fluoride	mg/L	<0.12	<0.20		15	
Sulfate	mg/L	51.5	41.5	21	15	D6

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60475332

QC Batch:	937863	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332023		

METHOD BLANK: 3718400 Matrix: Water
Associated Lab Samples: 60475332001, 60475332002, 60475332003, 60475332004, 60475332005, 60475332006, 60475332007, 60475332008, 60475332009, 60475332010, 60475332011, 60475332023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	06/10/25 00:27	
Fluoride	mg/L	<0.20	0.20	06/10/25 00:27	
Sulfate	mg/L	<1.0	1.0	06/10/25 00:27	

LABORATORY CONTROL SAMPLE: 3718401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.0	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	5	5.1	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718402 3718403

Parameter	Units	60475320002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.4	50	50	208	208	365	365	80-120	0	15	E,H1, M1
Fluoride	mg/L	<0.20	2.5	2.5	1.7	1.9	67	75	80-120	11	15	M1
Sulfate	mg/L	47.7	50	50	106	107	116	119	80-120	1	15	H1

MATRIX SPIKE SAMPLE: 3718404

Parameter	Units	60475332007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	16.6	5	21.1	92	80-120	E
Fluoride	mg/L	0.76	2.5	2.7	79	80-120	M1
Sulfate	mg/L	27.5	50	75.4	96	80-120	H1

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

QC Batch:	937915	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60475332013, 60475332014, 60475332020, 60475332022

METHOD BLANK: 3718562 Matrix: Water

Associated Lab Samples: 60475332013, 60475332014, 60475332020, 60475332022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	06/09/25 13:15	
Fluoride	mg/L	<0.20	0.20	06/09/25 13:15	
Sulfate	mg/L	<1.0	1.0	06/09/25 13:15	

LABORATORY CONTROL SAMPLE: 3718563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.9	98	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3718564 3718565

Parameter	Units	60475110001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3650	2500	2500	5290	5410	66	70	80-120	2	15	M1
Fluoride	mg/L	<62.0	1250	1250	1020	1100	82	88	80-120	7	15	
Sulfate	mg/L	5760	2500	2500	7540	7750	71	80	80-120	3	15	M1

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QUALIFIERS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P8	Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.
R1	RPD value was outside control limits.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475332001	LAC-MW-6-051325	EPA 200.7	935903	EPA 200.7	936011
60475332002	LAC-MW-7-051325	EPA 200.7	935903	EPA 200.7	936011
60475332003	LAC-MW-13-051325	EPA 200.7	935903	EPA 200.7	936011
60475332004	LAC-MW-14R-051325	EPA 200.7	935903	EPA 200.7	936011
60475332005	LAC-MW-15-051325	EPA 200.7	935903	EPA 200.7	936011
60475332006	LAC-MW-601-051325	EPA 200.7	935915	EPA 200.7	936013
60475332007	LAC-MW-602-051325	EPA 200.7	935915	EPA 200.7	936013
60475332008	LAC-MW-701-051325	EPA 200.7	935915	EPA 200.7	936013
60475332009	LAC-MW-702-051325	EPA 200.7	935915	EPA 200.7	936013
60475332010	LAC-MW-703-051325	EPA 200.7	935915	EPA 200.7	936013
60475332011	LAC-MW-704-051325	EPA 200.7	935915	EPA 200.7	936013
60475332012	LAC-MW-705-051225	EPA 200.7	935915	EPA 200.7	936013
60475332013	LAC-MW-706-051225	EPA 200.7	935903	EPA 200.7	936011
60475332014	LAC-MW-707B-051225	EPA 200.7	935903	EPA 200.7	936011
60475332015	LAC-MW-708-051225	EPA 200.7	935950	EPA 200.7	936064
60475332016	LAC-MW-801-051225	EPA 200.7	935950	EPA 200.7	936064
60475332017	LAC-MW-802-051225	EPA 200.7	935950	EPA 200.7	936064
60475332018	LAC-MW-803-051225	EPA 200.7	935950	EPA 200.7	936064
60475332019	LAC-MW-804-051225	EPA 200.7	935950	EPA 200.7	936064
60475332020	LAC-MW-805-051225	EPA 200.7	935950	EPA 200.7	936064
60475332021	LAC-TW-1-05-1225	EPA 200.7	935950	EPA 200.7	936064
60475332022	LAC-DUP1-051225	EPA 200.7	935950	EPA 200.7	936064
60475332023	LAC-DUP2-051325	EPA 200.7	935950	EPA 200.7	936064
60475332001	LAC-MW-6-051325	EPA 3010	935957	EPA 6010	936145
60475332002	LAC-MW-7-051325	EPA 3010	935957	EPA 6010	936145
60475332003	LAC-MW-13-051325	EPA 3010	935957	EPA 6010	936145
60475332004	LAC-MW-14R-051325	EPA 3010	935957	EPA 6010	936145
60475332005	LAC-MW-15-051325	EPA 3010	935957	EPA 6010	936145
60475332006	LAC-MW-601-051325	EPA 3010	935957	EPA 6010	936145
60475332007	LAC-MW-602-051325	EPA 3010	935957	EPA 6010	936145
60475332008	LAC-MW-701-051325	EPA 3010	935957	EPA 6010	936145
60475332009	LAC-MW-702-051325	EPA 3010	935957	EPA 6010	936145
60475332010	LAC-MW-703-051325	EPA 3010	935957	EPA 6010	936145
60475332011	LAC-MW-704-051325	EPA 3010	935957	EPA 6010	936145
60475332012	LAC-MW-705-051225	EPA 3010	935957	EPA 6010	936145
60475332013	LAC-MW-706-051225	EPA 3010	935957	EPA 6010	936145
60475332014	LAC-MW-707B-051225	EPA 3010	936081	EPA 6010	936191
60475332015	LAC-MW-708-051225	EPA 3010	936081	EPA 6010	936191
60475332016	LAC-MW-801-051225	EPA 3010	936081	EPA 6010	936191
60475332017	LAC-MW-802-051225	EPA 3010	936081	EPA 6010	936191
60475332018	LAC-MW-803-051225	EPA 3010	936081	EPA 6010	936191
60475332019	LAC-MW-804-051225	EPA 3010	936081	EPA 6010	936191
60475332020	LAC-MW-805-051225	EPA 3010	936081	EPA 6010	936191
60475332021	LAC-TW-1-05-1225	EPA 3010	936081	EPA 6010	936191
60475332022	LAC-DUP1-051225	EPA 3010	936081	EPA 6010	936191
60475332023	LAC-DUP2-051325	EPA 3010	936081	EPA 6010	936191

REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475332001	LAC-MW-6-051325	EPA 200.8	935901	EPA 200.8	936001
60475332002	LAC-MW-7-051325	EPA 200.8	935901	EPA 200.8	936001
60475332003	LAC-MW-13-051325	EPA 200.8	935901	EPA 200.8	936001
60475332004	LAC-MW-14R-051325	EPA 200.8	935901	EPA 200.8	936001
60475332005	LAC-MW-15-051325	EPA 200.8	935901	EPA 200.8	936001
60475332006	LAC-MW-601-051325	EPA 200.8	935916	EPA 200.8	936012
60475332007	LAC-MW-602-051325	EPA 200.8	935916	EPA 200.8	936012
60475332008	LAC-MW-701-051325	EPA 200.8	935916	EPA 200.8	936012
60475332009	LAC-MW-702-051325	EPA 200.8	935916	EPA 200.8	936012
60475332010	LAC-MW-703-051325	EPA 200.8	935916	EPA 200.8	936012
60475332011	LAC-MW-704-051325	EPA 200.8	935916	EPA 200.8	936012
60475332012	LAC-MW-705-051225	EPA 200.8	935916	EPA 200.8	936012
60475332013	LAC-MW-706-051225	EPA 200.8	935951	EPA 200.8	936065
60475332014	LAC-MW-707B-051225	EPA 200.8	935951	EPA 200.8	936065
60475332015	LAC-MW-708-051225	EPA 200.8	935951	EPA 200.8	936065
60475332016	LAC-MW-801-051225	EPA 200.8	935951	EPA 200.8	936065
60475332017	LAC-MW-802-051225	EPA 200.8	935951	EPA 200.8	936065
60475332018	LAC-MW-803-051225	EPA 200.8	935951	EPA 200.8	936065
60475332019	LAC-MW-804-051225	EPA 200.8	935951	EPA 200.8	936065
60475332020	LAC-MW-805-051225	EPA 200.8	935951	EPA 200.8	936065
60475332021	LAC-TW-1-05-1225	EPA 200.8	935951	EPA 200.8	936065
60475332022	LAC-DUP1-051225	EPA 200.8	935951	EPA 200.8	936065
60475332023	LAC-DUP2-051325	EPA 200.8	935951	EPA 200.8	936065
60475332001	LAC-MW-6-051325	EPA 245.1	936132	EPA 245.1	936161
60475332002	LAC-MW-7-051325	EPA 245.1	936132	EPA 245.1	936161
60475332003	LAC-MW-13-051325	EPA 245.1	936132	EPA 245.1	936161
60475332004	LAC-MW-14R-051325	EPA 245.1	936132	EPA 245.1	936161
60475332005	LAC-MW-15-051325	EPA 245.1	936132	EPA 245.1	936161
60475332006	LAC-MW-601-051325	EPA 245.1	936132	EPA 245.1	936161
60475332007	LAC-MW-602-051325	EPA 245.1	936132	EPA 245.1	936161
60475332008	LAC-MW-701-051325	EPA 245.1	936132	EPA 245.1	936161
60475332009	LAC-MW-702-051325	EPA 245.1	936132	EPA 245.1	936161
60475332010	LAC-MW-703-051325	EPA 245.1	936133	EPA 245.1	936162
60475332011	LAC-MW-704-051325	EPA 245.1	936133	EPA 245.1	936162
60475332012	LAC-MW-705-051225	EPA 245.1	936133	EPA 245.1	936162
60475332013	LAC-MW-706-051225	EPA 245.1	936133	EPA 245.1	936162
60475332014	LAC-MW-707B-051225	EPA 245.1	936133	EPA 245.1	936162
60475332015	LAC-MW-708-051225	EPA 245.1	936133	EPA 245.1	936162
60475332016	LAC-MW-801-051225	EPA 245.1	936133	EPA 245.1	936162
60475332017	LAC-MW-802-051225	EPA 245.1	936133	EPA 245.1	936162
60475332018	LAC-MW-803-051225	EPA 245.1	936133	EPA 245.1	936162
60475332019	LAC-MW-804-051225	EPA 245.1	936133	EPA 245.1	936162
60475332020	LAC-MW-805-051225	EPA 245.1	936133	EPA 245.1	936162
60475332021	LAC-TW-1-05-1225	EPA 245.1	936133	EPA 245.1	936162
60475332022	LAC-DUP1-051225	EPA 245.1	936133	EPA 245.1	936162
60475332023	LAC-DUP2-051325	EPA 245.1	936133	EPA 245.1	936162

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475332001	LAC-MW-6-051325	SM 2540C	935683		
60475332002	LAC-MW-7-051325	SM 2540C	935683		
60475332003	LAC-MW-13-051325	SM 2540C	935683		
60475332004	LAC-MW-14R-051325	SM 2540C	935683		
60475332005	LAC-MW-15-051325	SM 2540C	935683		
60475332006	LAC-MW-601-051325	SM 2540C	935683		
60475332007	LAC-MW-602-051325	SM 2540C	935683		
60475332008	LAC-MW-701-051325	SM 2540C	935684		
60475332009	LAC-MW-702-051325	SM 2540C	935684		
60475332010	LAC-MW-703-051325	SM 2540C	935684		
60475332011	LAC-MW-704-051325	SM 2540C	935684		
60475332012	LAC-MW-705-051225	SM 2540C	935534		
60475332013	LAC-MW-706-051225	SM 2540C	935534		
60475332014	LAC-MW-707B-051225	SM 2540C	935534		
60475332015	LAC-MW-708-051225	SM 2540C	935534		
60475332016	LAC-MW-801-051225	SM 2540C	935534		
60475332017	LAC-MW-802-051225	SM 2540C	935534		
60475332018	LAC-MW-803-051225	SM 2540C	935534		
60475332019	LAC-MW-804-051225	SM 2540C	935534		
60475332020	LAC-MW-805-051225	SM 2540C	935534		
60475332021	LAC-TW-1-05-1225	SM 2540C	935534		
60475332022	LAC-DUP1-051225	SM 2540C	935534		
60475332023	LAC-DUP2-051325	SM 2540C	935684		
60475332001	LAC-MW-6-051325	SM 4500-H+B	935443		
60475332002	LAC-MW-7-051325	SM 4500-H+B	935443		
60475332003	LAC-MW-13-051325	SM 4500-H+B	935423		
60475332004	LAC-MW-14R-051325	SM 4500-H+B	935423		
60475332005	LAC-MW-15-051325	SM 4500-H+B	935423		
60475332006	LAC-MW-601-051325	SM 4500-H+B	935423		
60475332007	LAC-MW-602-051325	SM 4500-H+B	935423		
60475332008	LAC-MW-701-051325	SM 4500-H+B	935423		
60475332009	LAC-MW-702-051325	SM 4500-H+B	935443		
60475332010	LAC-MW-703-051325	SM 4500-H+B	935423		
60475332011	LAC-MW-704-051325	SM 4500-H+B	935423		
60475332012	LAC-MW-705-051225	SM 4500-H+B	935423		
60475332013	LAC-MW-706-051225	SM 4500-H+B	935423		
60475332014	LAC-MW-707B-051225	SM 4500-H+B	935423		
60475332015	LAC-MW-708-051225	SM 4500-H+B	935423		
60475332016	LAC-MW-801-051225	SM 4500-H+B	935423		
60475332017	LAC-MW-802-051225	SM 4500-H+B	935423		
60475332018	LAC-MW-803-051225	SM 4500-H+B	935423		
60475332019	LAC-MW-804-051225	SM 4500-H+B	935423		
60475332020	LAC-MW-805-051225	SM 4500-H+B	935423		
60475332021	LAC-TW-1-05-1225	SM 4500-H+B	935423		
60475332022	LAC-DUP1-051225	SM 4500-H+B	935423		

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60475332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60475332023	LAC-DUP2-051325	SM 4500-H+B	935423		
60475332001	LAC-MW-6-051325	EPA 300.0	937863		
60475332002	LAC-MW-7-051325	EPA 300.0	937863		
60475332003	LAC-MW-13-051325	EPA 300.0	937863		
60475332004	LAC-MW-14R-051325	EPA 300.0	937863		
60475332005	LAC-MW-15-051325	EPA 300.0	937863		
60475332006	LAC-MW-601-051325	EPA 300.0	937863		
60475332007	LAC-MW-602-051325	EPA 300.0	937863		
60475332008	LAC-MW-701-051325	EPA 300.0	937863		
60475332009	LAC-MW-702-051325	EPA 300.0	937863		
60475332010	LAC-MW-703-051325	EPA 300.0	937863		
60475332011	LAC-MW-704-051325	EPA 300.0	937863		
60475332012	LAC-MW-705-051225	EPA 300.0	937713		
60475332013	LAC-MW-706-051225	EPA 300.0	937915		
60475332014	LAC-MW-707B-051225	EPA 300.0	937915		
60475332015	LAC-MW-708-051225	EPA 300.0	937713		
60475332016	LAC-MW-801-051225	EPA 300.0	937713		
60475332017	LAC-MW-802-051225	EPA 300.0	937713		
60475332018	LAC-MW-803-051225	EPA 300.0	937713		
60475332019	LAC-MW-804-051225	EPA 300.0	937713		
60475332020	LAC-MW-805-051225	EPA 300.0	937915		
60475332021	LAC-TW-1-05-1225	EPA 300.0	937713		
60475332022	LAC-DUP1-051225	EPA 300.0	937915		
60475332023	LAC-DUP2-051325	EPA 300.0	937863		

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WO#: 60475332



DC#_Title: ENV-FRM-LENE-0009_Sample Co

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: Evergy Haley & Aldrich

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐

Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 5.3 Corr. Factor +0.1 Corrected 5.4

Date and initials of person examining contents: DF 5/15

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☐ No ☒ N/A	
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#: <u>916888</u>	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219										CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here										Page 67 of 70		
Company Name: Evergy_Haley & Aldrich					Contact/Report To: Jake Humphrey					Scan QR Code for instructions																						
Street Address: 818 S Kansas Avenue Topeka, KS 66612					Phone #: (913)634-0605																											
Customer Project #: _____					E-Mail: jake.humphrey@evergy.com																											
Project Name: La Cygne CCR Compliance Wells					Invoice To: Lacygne-Evergy Payable					Specify Container Size **																						
Site Collection Info/Facility ID (as applicable): Evergy La Cygne Generating Station					Invoice E-Mail: apinvoicing@evergy.com					2 3 3																						
					Purchase Order # (if applicable): 3000222251					Identify Container Preservative Type***																						
					Quote #: _____					1 1 2																						
Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET					County / State origin of sample(s): Kansas					Analysis Requested																						
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other					Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____ Date Results Requested: _____					DW PWSID # or WW Permit # as applicable: NA Field Filtered (if applicable): [] Yes [X] No Analysis: _____																						
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																				Proj. Mgr: Alice Spiller AcctNum / Client ID: Table #: Profile / Template: 16583 Prelog / Bottle Ord. ID: EZ 3254312 Sample Comment												
Customer Sample ID			Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		2540C Total Dissolved Solids 300.0 IC Anions 28 Days: 4500H+ pH, Electrometric Metals 2007/200.8/6010/245.1								Preservation non-conformance identified for sample.												
					Date	Time	Date	Time		Results	Units																					
LaC-TW-1-051225			GW	GRAB	-	-	5/12/2025	1700	3	-	-									X	X	X										
LaC-DUP1-051225			GW	GRAB	-	-	5/12/2025	1225	3	-	-									X	X	X										
LaC-DUP2-051325			GW	GRAB	-	-	5/13/2025	1415	3	-	-									X	X	X										
Additional Instructions from Pace®: Metals: B, Ca, Ba, Cd, Co, Pb, Li, Hg, Mo Anions: Cl, F, SO4					Collected By: (Printed Name) Jason R. Franks Signature: <i>Jason R. Franks</i>					Customer Remarks / Special Conditions / Possible Hazards: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice: T301 70.1 5.3 5.4																						
Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / SCS					Date/Time: 05/15/2025 / 11:30					Received by/Company: (Signature) <i>JAPace</i>					Date/Time: 5/15/25 12:55					Tracking Number:												
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					Delivered by: [] In- Person [] Courier												
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					[] FedEx [] UPS [] Other												
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					Page: 3 of 3												

1/3

Client:

Evergy
La Cygne CCP

Profile/EZ #

E23254312

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																															
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

WO# : 60475332

PM: AS

Due Date: 05/30/25

CLIENT: Evergy_Haley

2/3

Client:

Evergy

Profile/EZ #

EZ 32593/2

Site:

La Cygne CCR

Notes

Page 69 of 70

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	WT																																
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic	Matrix	
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

3/3

Client: Evergy
Site: La Cygne CCR

Profile/EZ # EZ 3254312

Notes _____ Page 70 of 70

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																		---		---		---									
2																			---		---		---									
3																			---		---		---									
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plstic		

Work Order Number:

ATTACHMENT 2-3
June 2025 Annual Assessment Sampling Event
Laboratory Analytical Report



July 18, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: LA CYGNE N&E RADCHEM
Pace Project No.: 60477510

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477510001	LAC-B-1-061725	Water	06/17/25 12:15	06/18/25 11:02
60477510002	LAC-B-2-0617-25	Water	06/17/25 10:55	06/18/25 11:02
60477510003	LAC-B-3-06-1725	Water	06/17/25 09:35	06/18/25 11:02
60477510004	LAC-B-4-061625	Water	06/16/25 13:50	06/18/25 11:02
60477510005	LAC-B-5-061625	Water	06/16/25 11:35	06/18/25 11:02
60477510006	LAC-MW-10D-061625	Water	06/16/25 15:15	06/18/25 11:02
60477510007	LAC-MW-707D-061625	Water	06/16/25 16:35	06/18/25 11:02
60477510008	LAC-N&E-DUP-061625	Water	06/16/25 16:35	06/18/25 11:02

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SAMPLE ANALYTE COUNT

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477510001	LAC-B-1-061725	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510002	LAC-B-2-0617-25	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510003	LAC-B-3-06-1725	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510004	LAC-B-4-061625	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510005	LAC-B-5-061625	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510006	LAC-MW-10D-061625	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510007	LAC-MW-707D-061625	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477510008	LAC-N&E-DUP-061625	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Evergy_Haley & Aldrich

Date: July 18, 2025

General Information:

8 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Evergy_Haley & Aldrich

Date: July 18, 2025

General Information:

8 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Evergy_Haley & Aldrich

Date: July 18, 2025

General Information:

8 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-B-1-061725 Lab ID: 60477510001 Collected: 06/17/25 12:15 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.414 ± 0.799 (1.39) C:NA T:93%	pCi/L	07/17/25 14:57	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.38 ± 0.568 (0.926) C:76% T:88%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.79 ± 0.980 (1.39)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-B-2-0617-25 **Lab ID: 60477510002** Collected: 06/17/25 10:55 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.982 ± 0.896 (1.43) C:NA T:94%	pCi/L	07/17/25 14:57	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.661 ± 0.452 (0.874) C:75% T:88%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.64 ± 1.00 (1.43)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-B-3-06-1725 **Lab ID:** 60477510003 Collected: 06/17/25 09:35 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in wastewater. The samples were not preserved pH < 2 within 15 minutes of collection (40CFR136). Client has been notified via SAF.

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.38 ± 0.913 (1.35) C:NA T:95%	pCi/L	07/17/25 14:57	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	3.90 ± 0.981 (0.927) C:69% T:87%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	5.28 ± 1.34 (1.35)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-B-4-061625 Lab ID: 60477510004 Collected: 06/16/25 13:50 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.645 ± 0.778 (1.29) C:NA T:94%	pCi/L	07/17/25 15:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.17 ± 0.597 (1.07) C:66% T:90%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.82 ± 0.981 (1.29)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-B-5-061625 Lab ID: 60477510005 Collected: 06/16/25 11:35 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.718 ± 0.663 (1.04) C:NA T:97%	pCi/L	07/17/25 15:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.18 ± 0.512 (0.830) C:75% T:89%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.90 ± 0.838 (1.04)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-MW-10D-061625 Lab ID: 60477510006 Collected: 06/16/25 15:15 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.913 ± 0.759 (1.17) C:NA T:96%	pCi/L	07/17/25 15:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.393 ± 0.443 (0.924) C:68% T:86%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.31 ± 0.879 (1.17)	pCi/L	07/18/25 10:16	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-MW-707D-061625 Lab ID: 60477510007 Collected: 06/16/25 16:35 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.981 ± 0.953 (1.53) C:NA T:92%	pCi/L	07/17/25 15:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.51 ± 0.682 (1.14) C:64% T:86%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.49 ± 1.17 (1.53)	pCi/L	07/18/25 10:16	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Sample: LAC-N&E-DUP-061625 Lab ID: 60477510008 Collected: 06/16/25 16:35 Received: 06/18/25 11:02 Matrix: Water

PWS: Site ID: Sample Type:

Comments:

- Sample 008 bottles (LAC-N&E-DUP on COC) labeled as sample 007 on lab labels received.
- The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.17 ± 0.916 (1.42) C:NA T:94%	pCi/L	07/17/25 15:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.934 ± 0.492 (0.879) C:72% T:85%	pCi/L	07/16/25 14:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.10 ± 1.04 (1.42)	pCi/L	07/18/25 10:16	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

QC Batch:	755647	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60477510001, 60477510002, 60477510003, 60477510004, 60477510005, 60477510006, 60477510007, 60477510008		

METHOD BLANK: 3682041 Matrix: Water

Associated Lab Samples: 60477510001, 60477510002, 60477510003, 60477510004, 60477510005, 60477510006, 60477510007, 60477510008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.495 ± 0.344 (0.655) C:79% T:89%	pCi/L	07/16/25 14:42	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

QC Batch:	755646	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60477510001, 60477510002, 60477510003, 60477510004, 60477510005, 60477510006, 60477510007, 60477510008		

METHOD BLANK: 3682040 Matrix: Water

Associated Lab Samples: 60477510001, 60477510002, 60477510003, 60477510004, 60477510005, 60477510006, 60477510007, 60477510008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0402 ± 0.325 (0.670) C:NA T:97%	pCi/L	07/17/25 14:44	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CYGNE N&E RADCHEM

Pace Project No.: 60477510

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477510001	LAC-B-1-061725	EPA 903.1	755646		
60477510002	LAC-B-2-0617-25	EPA 903.1	755646		
60477510003	LAC-B-3-06-1725	EPA 903.1	755646		
60477510004	LAC-B-4-061625	EPA 903.1	755646		
60477510005	LAC-B-5-061625	EPA 903.1	755646		
60477510006	LAC-MW-10D-061625	EPA 903.1	755646		
60477510007	LAC-MW-707D-061625	EPA 903.1	755646		
60477510008	LAC-N&E-DUP-061625	EPA 903.1	755646		
60477510001	LAC-B-1-061725	EPA 904.0	755647		
60477510002	LAC-B-2-0617-25	EPA 904.0	755647		
60477510003	LAC-B-3-06-1725	EPA 904.0	755647		
60477510004	LAC-B-4-061625	EPA 904.0	755647		
60477510005	LAC-B-5-061625	EPA 904.0	755647		
60477510006	LAC-MW-10D-061625	EPA 904.0	755647		
60477510007	LAC-MW-707D-061625	EPA 904.0	755647		
60477510008	LAC-N&E-DUP-061625	EPA 904.0	755647		
60477510001	LAC-B-1-061725	Total Radium Calculation	758969		
60477510002	LAC-B-2-0617-25	Total Radium Calculation	758969		
60477510003	LAC-B-3-06-1725	Total Radium Calculation	758969		
60477510004	LAC-B-4-061625	Total Radium Calculation	758969		
60477510005	LAC-B-5-061625	Total Radium Calculation	758969		
60477510006	LAC-MW-10D-061625	Total Radium Calculation	758969		
60477510007	LAC-MW-707D-061625	Total Radium Calculation	758969		
60477510008	LAC-N&E-DUP-061625	Total Radium Calculation	758969		

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WO#: 60477510



DC#_Title: ENV-FRM-LENE-0009_Samp

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: Evergy

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐

Thermometer Used: T301 Type of Ice: Wet ☒ Blue ☐ None ☐

Cooler Temperature (°C): As-read 27.8 Corr. Factor 10.1 Corrected 21.9

Date and initials of person examining contents: DF 6/18

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☒ No ☒ N/A	<u>NOX</u> <u>DF 6/18</u>
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Client: Evergy
Site: La Cygne N & E Radchem

Profile/EZ # EZ 32464647
Notes: NOX DF 4/18

COC line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WR																					2										
2																						2										
3																						2										
4																						2										
5																						2										
6																						2										
7																						2										
8																						2										
9																						2										
10																						2										
11																						2										
12																						2										

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic	I	Wipe/Swab		
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate		
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag		
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter		
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes		
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NAOH plastic	R	Terracore Kit		
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can		
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water		
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid		
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid		
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL		
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe		
				BP4U	125mL unpreserved plastic	DW	Drinking Water		
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

WO#: 60477510

PM: AS Due Date: 07/02/25
CLIENT: Evergy_Haley

Work Order Number



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: TMY
Date: 7/7/2025
Batch ID: 85960
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3682040	
MB concentration:	-0.040	
M/B 2 Sigma CSU:	0.325	
MB MDC:	0.670	
MB Numerical Performance Indicator:	-0.24	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS85960	LCSD85960
Count Date:	7/17/2025	7/17/2025
Spike I.D.:	24-046	24-046
Spike Concentration (pCi/mL):	31.829	31.829
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.652	0.652
Target Conc. (pCi/L, g, F):	4.883	4.883
Uncertainty (Calculated):	0.229	0.230
Result (pCi/L, g, F):	3.750	4.607
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.183	1.162
Numerical Performance Indicator:	-1.84	-0.46
Percent Recovery:	76.79%	94.35%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS85960	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD85960	
Sample Result (pCi/L, g, F):	3.750	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.183	
Sample Duplicate Result (pCi/L, g, F):	4.607	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.162	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.013	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	20.52%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

TY 717-25
W 071825



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: ZPC
Date: 7/10/2025
Worklist: 85961
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3682041
MB concentration: 0.495
M/B 2 Sigma CSU: 0.344
MB MDC: 0.655
MB Numerical Performance Indicator: 2.82
MB Status vs Numerical Indicator: Warning
MB Status vs. MDC: Pass

Laboratory Control Sample Assessment

	LCSD (Y or N)?	Y
	LCSD85961	LCSD85961
Count Date:	7/16/2025	7/16/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.915	31.915
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.818
Target Conc. (pCi/L, g, F):	3.896	3.902
Uncertainty (Calculated):	0.191	0.191
Result (pCi/L, g, F):	3.331	3.447
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.823	0.860
Numerical Performance Indicator:	-1.31	-1.01
Percent Recovery:	85.50%	88.36%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment

	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment

Duplicate Sample Assessment		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:	LCSD85961	
Duplicate Sample I.D.:	LCSD85961	
Sample Result (pCi/L, g, F):	3.331	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.823	
Sample Duplicate Result (pCi/L, g, F):	3.447	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.860	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.192	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.29%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:	
Sample MS I.D.:	
Sample MSD I.D.:	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
MS/MSD Duplicate Status vs Numerical Indicator:	
MS/MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

6/7/17/25

7-17-25

JSS



July 14, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne N&E Wells
Pace Project No.: 60477512

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in black ink that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477512001	LAC-B-1-061725	Water	06/17/25 12:15	06/18/25 11:03
60477512002	LAC-B-2-061725	Water	06/17/25 10:55	06/18/25 11:03
60477512003	LAC-B-3-061725	Water	06/17/25 09:35	06/18/25 11:03
60477512004	LAC-B-4-061625	Water	06/16/25 13:50	06/18/25 11:03
60477512005	LAC-B-5-061625	Water	06/16/25 11:35	06/18/25 11:03
60477512006	LAC-MW-10D-061625	Water	06/16/25 15:15	06/18/25 11:03
60477512007	LAC-MW707D-061625	Water	06/16/25 16:35	06/18/25 11:03
60477512008	LAC-B&E-DUP-061625	Water	06/16/25 16:35	06/18/25 11:03

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477512001	LAC-B-1-061725	EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477512002	LAC-B-2-061725	EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477512003	LAC-B-3-061725	EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477512004	LAC-B-4-061625	EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477512005	LAC-B-5-061625	EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477512006	LAC-MW-10D-061625	SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
60477512007	LAC-MW707D-061625	SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477512008	LAC-B&E-DUP-061625	SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	7	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	7	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	EFM	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60477512

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60477512

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: EPA 6010

Description: 6010 MET ICP

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60477512

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 939140

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- LAC-B-3-061725 (Lab ID: 60477512003)
- Molybdenum, Total Recoverable

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: EPA 200.8

Description: 200.8 MET ICPMS, Dissolved

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 2320B

Description: 2320B Alkalinity

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 939593

1e: Dissolved result is greater than the conductivity. Data is within laboratory control limits.

- LAC-B-3-061725 (Lab ID: 60477512003)
- Total Dissolved Solids

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 3500-Fe B#4

Description: Iron, Ferrous

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-1-061725 (Lab ID: 60477512001)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-B&E-DUP-061625 (Lab ID: 60477512008)
- LAC-B-2-061725 (Lab ID: 60477512002)
- LAC-B-3-061725 (Lab ID: 60477512003)
- LAC-MW-10D-061625 (Lab ID: 60477512006)
- LAC-MW707D-061625 (Lab ID: 60477512007)

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-B&E-DUP-061625 (Lab ID: 60477512008)
- LAC-B-1-061725 (Lab ID: 60477512001)
- LAC-B-2-061725 (Lab ID: 60477512002)
- LAC-B-3-061725 (Lab ID: 60477512003)
- LAC-B-4-061625 (Lab ID: 60477512004)
- LAC-B-5-061625 (Lab ID: 60477512005)
- LAC-MW-10D-061625 (Lab ID: 60477512006)
- LAC-MW707D-061625 (Lab ID: 60477512007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-1-061725 (Lab ID: 60477512001)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-B&E-DUP-061625 (Lab ID: 60477512008)
- LAC-B-2-061725 (Lab ID: 60477512002)
- LAC-B-3-061725 (Lab ID: 60477512003)
- LAC-B-4-061625 (Lab ID: 60477512004)
- LAC-B-5-061625 (Lab ID: 60477512005)
- LAC-MW-10D-061625 (Lab ID: 60477512006)
- LAC-MW707D-061625 (Lab ID: 60477512007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 4500-S-2 D

Description: 4500S2D Sulfide, Total

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939422

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477476001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724717)
 - Sulfide, Total
- MSD (Lab ID: 3724718)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60477512

Method: EPA 300.0
Description: 300.0 IC Anions
Client: Evergy_Haley & Aldrich
Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B&E-DUP-061625 (Lab ID: 60477512008)
- LAC-B-4-061625 (Lab ID: 60477512004)
- LAC-B-5-061625 (Lab ID: 60477512005)
- LAC-MW-10D-061625 (Lab ID: 60477512006)
- LAC-MW707D-061625 (Lab ID: 60477512007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60477512

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Evergy_Haley & Aldrich
Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 941399

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60478080007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3732133)
 - Chloride
 - Fluoride
 - Sulfate

R1: RPD value was outside control limits.

- MSD (Lab ID: 3732134)
 - Chloride
 - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 940916

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3730308)
 - Sulfate

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 940403

B: Analyte was detected in the associated method blank.

- BLANK for HBN 940403 [WETA/109 (Lab ID: 3728420)
- Phosphorus

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940403

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3728423)
- Phosphorus

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 5310C

Description: 5310C TOC

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 940349

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477512008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3728234)
- Total Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Method: SM 5310C

Description: 5310C Dissolved Organic Carbon

Client: Evergy_Haley & Aldrich

Date: July 14, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940707

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3729644)
- Dissolved Organic Carbon

Additional Comments:

Analyte Comments:

QC Batch: 940422

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- DUP (Lab ID: 3728475)
- Dissolved Organic Carbon

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-1-061725 Lab ID: 60477512001 Collected: 06/17/25 12:15 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.16	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 16:59	7440-39-3	
Boron, Total Recoverable	1.4	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 16:59	7440-42-8	
Calcium, Total Recoverable	37.6	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 16:59	7440-70-2	
Hardness, Magnesium (SM 2340B)	182	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 16:59		
Magnesium, Total Recoverable	44.2	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 16:59	7439-95-4	
Potassium, Total Recoverable	10.8	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 16:59	7440-09-7	
Sodium, Total Recoverable	371	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 16:59	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	35.5	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 20:12	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.14	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 10:57	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.12	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:50	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	11.5	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:37	7429-90-5	
Cadmium, Total Recoverable	<0.000062	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 10:55	7440-43-9	
Cobalt, Total Recoverable	0.0065	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:37	7440-48-4	
Iron, Total Recoverable	11.0	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:37	7439-89-6	
Lead, Total Recoverable	0.0014	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:37	7439-92-1	
Manganese, Total Recoverable	0.28	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:37	7439-96-5	
Molybdenum, Total Recoverable	0.0051	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 10:55	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:08	7429-90-5	
Cobalt, Dissolved	0.0012	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:08	7440-48-4	
Iron, Dissolved	1.0	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:08	7439-89-6	
Manganese, Dissolved	0.16	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:08	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	1000	mg/L	20.0	10.5	1		06/19/25 20:23		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 20:23		
Alkalinity, Total as CaCO3	1000	mg/L	20.0	10.5	1		06/19/25 20:23		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-1-061725		Lab ID: 60477512001		Collected: 06/17/25 12:15		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1470	mg/L	40.0	40.0	1		06/24/25 14:06		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	4.2	mg/L	0.20	0.041	1		06/19/25 15:15	15438-31-0	H1,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	0.10	1		06/24/25 15:15		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.52	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.43	mg/L	0.10	0.055	1		06/19/25 09:58	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 09:58	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	40.3	mg/L	10.0	5.3	10		07/09/25 11:11	16887-00-6	
Fluoride	0.22	mg/L	0.20	0.12	1		07/09/25 10:38	16984-48-8	
Sulfate	69.9	mg/L	10.0	5.5	10		07/09/25 11:11	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.44	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:03	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.2	mg/L	1.0	0.54	1		06/30/25 21:56	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	2.4	mg/L	1.0	0.54	1		07/03/25 15:17		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-2-061725 Lab ID: 60477512002 Collected: 06/17/25 10:55 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.20	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:01	7440-39-3	
Boron, Total Recoverable	0.28	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:01	7440-42-8	
Calcium, Total Recoverable	26.9	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:01	7440-70-2	
Hardness, Magnesium (SM 2340B)	204	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:01		
Magnesium, Total Recoverable	49.6	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:01	7439-95-4	
Potassium, Total Recoverable	4.1	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:01	7440-09-7	
Sodium, Total Recoverable	107	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:01	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	49.9	mg/L	0.050	0.021	1	06/19/25 09:20	07/07/25 12:14	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.044	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:02	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.039	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:52	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.65	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:40	7429-90-5	
Cadmium, Total Recoverable	<0.000062	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 10:57	7440-43-9	
Cobalt, Total Recoverable	0.00042J	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:40	7440-48-4	
Iron, Total Recoverable	0.82	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:40	7439-89-6	
Lead, Total Recoverable	0.00025J	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:40	7439-92-1	
Manganese, Total Recoverable	0.074	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:40	7439-96-5	
Molybdenum, Total Recoverable	0.00025J	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 10:57	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:20	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:20	7440-48-4	
Iron, Dissolved	<0.0044	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:20	7439-89-6	
Manganese, Dissolved	0.030	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:20	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	426	mg/L	20.0	10.5	1		06/19/25 20:31		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 20:31		
Alkalinity, Total as CaCO3	426	mg/L	20.0	10.5	1		06/19/25 20:31		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-2-061725		Lab ID: 60477512002		Collected: 06/17/25 10:55		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	563	mg/L	10.0	10.0	1		06/24/25 14:06		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.30	mg/L	0.20	0.041	1		06/19/25 15:15	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	0.10	1		06/24/25 15:15		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.031J	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.096J	mg/L	0.10	0.055	1		06/19/25 09:48	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 09:48	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	22.3	mg/L	10.0	5.3	10		07/09/25 11:55	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 11:44	16984-48-8	
Sulfate	51.2	mg/L	10.0	5.5	10		07/09/25 11:55	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.088J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:06	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.2	mg/L	1.0	0.54	1		06/30/25 21:41	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	3.0	mg/L	1.0	0.54	1		07/03/25 15:47		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-3-061725 Lab ID: 60477512003 Collected: 06/17/25 09:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	8.7	mg/L	0.025	0.0037	5	06/19/25 13:37	07/03/25 17:03	7440-39-3	
Boron, Total Recoverable	1.0	mg/L	0.50	0.17	5	06/19/25 13:37	07/03/25 17:03	7440-42-8	
Calcium, Total Recoverable	4450	mg/L	1.0	0.23	5	06/19/25 13:37	07/03/25 17:03	7440-70-2	
Hardness, Magnesium (SM 2340B)	3780	mg/L	1.0	0.43	5	06/19/25 13:37	07/03/25 17:03		
Magnesium, Total Recoverable	917	mg/L	0.25	0.11	5	06/19/25 13:37	07/03/25 17:03	7439-95-4	
Potassium, Total Recoverable	80.2	mg/L	2.5	0.23	5	06/19/25 13:37	07/03/25 17:03	7440-09-7	
Sodium, Total Recoverable	373	mg/L	2.5	0.16	5	06/19/25 13:37	07/03/25 17:03	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	34.2	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 20:19	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	1.6	mg/L	0.050	0.0092	5	06/23/25 15:49	07/07/25 11:04	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.14	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:54	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	1010	mg/L	1.0	0.16	20	06/19/25 13:37	06/30/25 15:42	7429-90-5	
Cadmium, Total Recoverable	0.0072J	mg/L	0.010	0.0012	20	06/19/25 13:37	07/01/25 10:59	7440-43-9	
Cobalt, Total Recoverable	0.89	mg/L	0.020	0.0021	20	06/19/25 13:37	06/30/25 15:42	7440-48-4	
Iron, Total Recoverable	1800	mg/L	1.0	0.088	20	06/19/25 13:37	06/30/25 15:42	7439-89-6	
Lead, Total Recoverable	0.26	mg/L	0.020	0.0046	20	06/19/25 13:37	06/30/25 15:42	7439-92-1	
Manganese, Total Recoverable	49.3	mg/L	0.020	0.010	20	06/19/25 13:37	06/30/25 15:42	7439-96-5	
Molybdenum, Total Recoverable	<0.0032	mg/L	0.020	0.0032	20	06/19/25 13:37	07/01/25 10:59	7439-98-7	D3
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.023J	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:22	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:22	7440-48-4	
Iron, Dissolved	0.023J	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:22	7439-89-6	
Manganese, Dissolved	0.0037	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:22	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	4440	mg/L	80.0	42.0	4		06/19/25 20:52		
Alkalinity,Carbonate (CaCO3)	<42.0	mg/L	80.0	42.0	4		06/19/25 20:52		
Alkalinity, Total as CaCO3	4440	mg/L	80.0	42.0	4		06/19/25 20:52		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-3-061725		Lab ID: 60477512003		Collected: 06/17/25 09:35		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	5830	mg/L	40.0	40.0	1		06/24/25 14:06		1e
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	98.1	mg/L	5.0	1.0	1		06/19/25 15:15	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	0.10	1		06/24/25 15:15		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	65.8	mg/L	5.0	1.6	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.15	mg/L	0.10	0.055	1		06/19/25 09:07	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 09:07	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	151	mg/L	20.0	10.5	20		07/11/25 15:49	16887-00-6	
Fluoride	<2.5	mg/L	4.0	2.5	20		07/11/25 15:49	16984-48-8	
Sulfate	55.3	mg/L	20.0	11.0	20		07/11/25 15:49	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.42	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:08	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.9	mg/L	1.0	0.54	1		06/30/25 23:22	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	6.2	mg/L	5.0	2.7	5		07/03/25 16:11		D6

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-4-061625 Lab ID: 60477512004 Collected: 06/16/25 13:50 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.25	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:05	7440-39-3	
Boron, Total Recoverable	0.39	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:05	7440-42-8	
Calcium, Total Recoverable	67.1	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:05	7440-70-2	
Hardness, Magnesium (SM 2340B)	66.7	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:05		
Magnesium, Total Recoverable	16.2	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:05	7439-95-4	
Potassium, Total Recoverable	5.0	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:05	7440-09-7	
Sodium, Total Recoverable	107	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:05	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	12.0	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 20:21	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.064	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:06	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.026	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:56	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	13.1	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:49	7429-90-5	
Cadmium, Total Recoverable	0.000076J	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 11:05	7440-43-9	
Cobalt, Total Recoverable	0.0098	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:49	7440-48-4	
Iron, Total Recoverable	19.9	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:49	7439-89-6	
Lead, Total Recoverable	0.0036	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:49	7439-92-1	
Manganese, Total Recoverable	0.63	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:49	7439-96-5	
Molybdenum, Total Recoverable	0.0042	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 11:05	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:25	7429-90-5	
Cobalt, Dissolved	0.00086J	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:25	7440-48-4	
Iron, Dissolved	0.39	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:25	7439-89-6	
Manganese, Dissolved	0.42	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:25	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	376	mg/L	20.0	10.5	1		06/19/25 20:59		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 20:59		
Alkalinity, Total as CaCO3	376	mg/L	20.0	10.5	1		06/19/25 20:59		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-4-061625		Lab ID: 60477512004		Collected: 06/16/25 13:50		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	601	mg/L	10.0	10.0	1		06/20/25 14:43		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	14.1	mg/L	0.50	0.10	1		06/19/25 15:15	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	0.10	1		06/24/25 15:15		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.28	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.055	mg/L	0.10	0.055	1		06/19/25 15:32	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 15:32	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	41.1	mg/L	5.0	2.6	5		07/09/25 12:51	16887-00-6	
Fluoride	0.20	mg/L	0.20	0.12	1		07/09/25 12:40	16984-48-8	
Sulfate	34.5	mg/L	5.0	2.8	5		07/09/25 12:51	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.27	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:10	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.0	mg/L	1.0	0.54	1		06/30/25 06:47	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	0.83J	mg/L	1.0	0.54	1		07/07/25 17:22		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-5-061625 Lab ID: 60477512005 Collected: 06/16/25 11:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.20	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:10	7440-39-3	
Boron, Total Recoverable	1.6	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:10	7440-42-8	
Calcium, Total Recoverable	90.3	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:10	7440-70-2	
Hardness, Magnesium (SM 2340B)	206	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:10		
Magnesium, Total Recoverable	50.0	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:10	7439-95-4	
Potassium, Total Recoverable	8.2	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:10	7440-09-7	
Sodium, Total Recoverable	141	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:10	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	39.4	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 20:23	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.098	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:07	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.071	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 20:01	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	16.6	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:51	7429-90-5	
Cadmium, Total Recoverable	0.000081J	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 11:07	7440-43-9	
Cobalt, Total Recoverable	0.010	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:51	7440-48-4	
Iron, Total Recoverable	20.1	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:51	7439-89-6	
Lead, Total Recoverable	0.0033	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:51	7439-92-1	
Manganese, Total Recoverable	0.44	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:51	7439-96-5	
Molybdenum, Total Recoverable	0.0013	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 11:07	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.013J	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:27	7429-90-5	
Cobalt, Dissolved	0.00038J	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:27	7440-48-4	
Iron, Dissolved	0.29	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:27	7439-89-6	
Manganese, Dissolved	0.068	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:27	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	592	mg/L	20.0	10.5	1		06/19/25 21:07		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 21:07		
Alkalinity, Total as CaCO3	592	mg/L	20.0	10.5	1		06/19/25 21:07		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B-5-061625		Lab ID: 60477512005		Collected: 06/16/25 11:35		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	795	mg/L	13.3	13.3	1		06/20/25 14:43		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	12.2	mg/L	1.0	0.20	1		06/19/25 15:15	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		06/24/25 15:15		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	1.0	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.12	mg/L	0.10	0.055	1		06/19/25 15:56	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 15:56	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	18.7	mg/L	5.0	2.6	5		07/09/25 13:13	16887-00-6	
Fluoride	0.22	mg/L	0.20	0.12	1		07/09/25 13:02	16984-48-8	
Sulfate	31.7	mg/L	5.0	2.8	5		07/09/25 13:13	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.13	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:13	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.0	mg/L	1.0	0.54	1		06/30/25 06:32	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	0.93J	mg/L	1.0	0.54	1		07/07/25 17:41		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-MW-10D-061625 Lab ID: 60477512006 Collected: 06/16/25 15:15 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.38	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:18	7440-39-3	
Boron, Total Recoverable	2.1	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:18	7440-42-8	
Calcium, Total Recoverable	25.9	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:18	7440-70-2	
Hardness, Magnesium (SM 2340B)	67.8	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:18		
Magnesium, Total Recoverable	16.5	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:18	7439-95-4	
Potassium, Total Recoverable	5.0	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:18	7440-09-7	
Sodium, Total Recoverable	158	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:18	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	16.7	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 18:57	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.057	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:15	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.053	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:35	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.54	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:25	7429-90-5	
Cadmium, Total Recoverable	<0.000062	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 10:46	7440-43-9	
Cobalt, Total Recoverable	0.00042J	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:25	7440-48-4	
Iron, Total Recoverable	0.96	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:25	7439-89-6	
Lead, Total Recoverable	0.00037J	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:25	7439-92-1	
Manganese, Total Recoverable	0.11	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:25	7439-96-5	
Molybdenum, Total Recoverable	0.0070	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 10:46	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.027J	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:34	7429-90-5	
Cobalt, Dissolved	0.00013J	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:34	7440-48-4	
Iron, Dissolved	0.10	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:34	7439-89-6	
Manganese, Dissolved	0.096	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:34	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	449	mg/L	20.0	10.5	1		06/19/25 21:14		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 21:14		
Alkalinity, Total as CaCO3	449	mg/L	20.0	10.5	1		06/19/25 21:14		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-MW-10D-061625		Lab ID: 60477512006		Collected: 06/16/25 15:15		Received: 06/18/25 11:03		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	595	mg/L	10.0	10.0	1		06/20/25 14:43		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.69	mg/L	0.20	0.041	1		06/19/25 15:15	15438-31-0	H3,H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.9	Std. Units	0.10	0.10	1		06/24/25 15:16		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.051	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.18	mg/L	0.10	0.055	1		06/19/25 16:43	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 16:43	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	101	mg/L	10.0	5.3	10		07/09/25 13:35	16887-00-6	
Fluoride	0.80	mg/L	0.20	0.12	1		07/09/25 13:24	16984-48-8	
Sulfate	3.3	mg/L	1.0	0.55	1		07/09/25 13:24	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.12	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:15	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	2.5	mg/L	1.0	0.54	1		06/30/25 06:17	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.2	mg/L	1.0	0.54	1		07/02/25 00:32		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-MW707D-061625 Lab ID: 60477512007 Collected: 06/16/25 16:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.97	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:20	7440-39-3	
Boron, Total Recoverable	1.6	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:20	7440-42-8	
Calcium, Total Recoverable	24.8	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:20	7440-70-2	
Hardness, Magnesium (SM 2340B)	57.5	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:20		
Magnesium, Total Recoverable	14.0	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:20	7439-95-4	
Potassium, Total Recoverable	9.2	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:20	7440-09-7	
Sodium, Total Recoverable	721	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:20	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	13.5	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 18:59	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.19	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:17	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.19	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:37	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.25	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:54	7429-90-5	
Cadmium, Total Recoverable	0.038	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 11:09	7440-43-9	
Cobalt, Total Recoverable	0.00076J	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:54	7440-48-4	
Iron, Total Recoverable	0.33	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:54	7439-89-6	
Lead, Total Recoverable	<0.00023	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:54	7439-92-1	
Manganese, Total Recoverable	0.14	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:54	7439-96-5	
Molybdenum, Total Recoverable	0.049	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 11:09	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.017J	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:37	7429-90-5	
Cobalt, Dissolved	0.00064J	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:37	7440-48-4	
Iron, Dissolved	0.043J	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:37	7439-89-6	
Manganese, Dissolved	0.13	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:37	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	928	mg/L	20.0	10.5	1		06/19/25 21:34		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 21:34		
Alkalinity, Total as CaCO3	928	mg/L	20.0	10.5	1		06/19/25 21:34		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-MW707D-061625 Lab ID: 60477512007 Collected: 06/16/25 16:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Kansas City									
Total Dissolved Solids	2350	mg/L	100	100	1		06/20/25 14:43		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City									
Iron, Ferrous	0.25	mg/L	0.20	0.041	1		06/19/25 15:15	15438-31-0	H3,H6
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.9	Std. Units	0.10	0.10	1		06/24/25 15:16		H3
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.075J	mg/L	0.10	0.055	1		06/19/25 16:53	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 16:53	14797-65-0	H1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	723	mg/L	100	52.7	100		07/09/25 13:57	16887-00-6	
Fluoride	0.41	mg/L	0.20	0.12	1		07/09/25 13:46	16984-48-8	
Sulfate	6.4	mg/L	1.0	0.55	1		07/09/25 13:46	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.17	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 22:18	7723-14-0	B
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	0.97J	mg/L	1.0	0.54	1		06/30/25 06:02	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/07/25 18:01		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B&E-DUP-061625 Lab ID: 60477512008 Collected: 06/16/25 16:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Barium, Total Recoverable	0.99	mg/L	0.0050	0.00075	1	06/19/25 13:37	07/03/25 17:21	7440-39-3	
Boron, Total Recoverable	1.7	mg/L	0.10	0.033	1	06/19/25 13:37	07/03/25 17:21	7440-42-8	
Calcium, Total Recoverable	25.7	mg/L	0.20	0.045	1	06/19/25 13:37	07/03/25 17:21	7440-70-2	
Hardness, Magnesium (SM 2340B)	59.1	mg/L	0.21	0.087	1	06/19/25 13:37	07/03/25 17:21		
Magnesium, Total Recoverable	14.3	mg/L	0.050	0.021	1	06/19/25 13:37	07/03/25 17:21	7439-95-4	
Potassium, Total Recoverable	9.7	mg/L	0.50	0.045	1	06/19/25 13:37	07/03/25 17:21	7440-09-7	
Sodium, Total Recoverable	735	mg/L	0.50	0.032	1	06/19/25 13:37	07/03/25 17:21	7440-23-5	
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	14.5	mg/L	0.050	0.021	1	06/19/25 09:20	07/02/25 19:01	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.19	mg/L	0.010	0.0018	1	06/23/25 15:49	07/07/25 11:18	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.18	mg/L	0.010	0.0018	1	06/19/25 09:24	07/02/25 19:39	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.30	mg/L	0.050	0.0082	1	06/19/25 13:37	06/30/25 15:56	7429-90-5	
Cadmium, Total Recoverable	<0.000062	mg/L	0.00050	0.000062	1	06/19/25 13:37	07/01/25 11:11	7440-43-9	
Cobalt, Total Recoverable	0.00078J	mg/L	0.0010	0.00010	1	06/19/25 13:37	06/30/25 15:56	7440-48-4	
Iron, Total Recoverable	0.39	mg/L	0.050	0.0044	1	06/19/25 13:37	06/30/25 15:56	7439-89-6	
Lead, Total Recoverable	<0.00023	mg/L	0.0010	0.00023	1	06/19/25 13:37	06/30/25 15:56	7439-92-1	
Manganese, Total Recoverable	0.14	mg/L	0.0010	0.00052	1	06/19/25 13:37	06/30/25 15:56	7439-96-5	
Molybdenum, Total Recoverable	0.0048	mg/L	0.0010	0.00016	1	06/19/25 13:37	07/01/25 11:11	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.016J	mg/L	0.050	0.0082	1	06/19/25 09:20	06/30/25 16:39	7429-90-5	
Cobalt, Dissolved	0.00064J	mg/L	0.0010	0.00010	1	06/19/25 09:20	06/30/25 16:39	7440-48-4	
Iron, Dissolved	0.039J	mg/L	0.050	0.0044	1	06/19/25 09:20	06/30/25 16:39	7439-89-6	
Manganese, Dissolved	0.13	mg/L	0.0010	0.00052	1	06/19/25 09:20	06/30/25 16:39	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	916	mg/L	20.0	10.5	1		06/19/25 21:50		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/19/25 21:50		
Alkalinity, Total as CaCO3	916	mg/L	20.0	10.5	1		06/19/25 21:50		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Sample: LAC-B&E-DUP-061625 Lab ID: 60477512008 Collected: 06/16/25 16:35 Received: 06/18/25 11:03 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids Analytical Method: SM 2540C Pace Analytical Services - Kansas City									
Total Dissolved Solids	2320	mg/L	100	100	1		06/20/25 14:43		
Iron, Ferrous Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City									
Iron, Ferrous	0.87	mg/L	0.20	0.041	1		06/19/25 15:15	15438-31-0	H3,H6
4500H+ pH, Electrometric Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.8	Std. Units	0.10	0.10	1		06/24/25 15:16		H3
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	0.018J	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.072J	mg/L	0.10	0.055	1		06/19/25 17:04	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/19/25 17:04	14797-65-0	H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	697	mg/L	100	52.7	100		07/09/25 14:41	16887-00-6	
Fluoride	0.41	mg/L	0.20	0.12	1		07/09/25 14:08	16984-48-8	
Sulfate	6.4	mg/L	1.0	0.55	1		07/09/25 14:08	14808-79-8	
365.4 Total Phosphorus Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.088J	mg/L	0.10	0.071	1	07/01/25 14:30	07/10/25 10:45	7723-14-0	B
5310C TOC Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		06/30/25 21:13	7440-44-0	M1
5310C Dissolved Organic Carbon Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	0.82J	mg/L	1.0	0.54	1		07/02/25 00:46		

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939141	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3723377	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	mg/L	<0.00075	0.0050	0.00075	07/03/25 16:56	
Boron	mg/L	<0.033	0.10	0.033	07/03/25 16:56	
Calcium	mg/L	<0.045	0.20	0.045	07/03/25 16:56	
Hardness, Magnesium (SM 2340B)	mg/L	<0.087	0.21	0.087	07/03/25 16:56	
Magnesium	mg/L	<0.021	0.050	0.021	07/03/25 16:56	
Potassium	mg/L	<0.045	0.50	0.045	07/03/25 16:56	
Sodium	mg/L	<0.032	0.50	0.032	07/03/25 16:56	

LABORATORY CONTROL SAMPLE: 3723378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	1	0.99	99	85-115	
Boron	mg/L	1	0.94	94	85-115	
Calcium	mg/L	10	10.2	102	85-115	
Hardness, Magnesium (SM 2340B)	mg/L	41.2	40.8	99	85-115	
Magnesium	mg/L	10	9.9	99	85-115	
Potassium	mg/L	10	9.9	99	85-115	
Sodium	mg/L	10	9.8	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723379 3723380

Parameter	Units	60477512004	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Barium	mg/L	0.25	1	1	1.2	1.2	97	97	70-130	0	20	
Boron	mg/L	0.39	1	1	1.3	1.3	93	93	70-130	0	20	
Calcium	mg/L	67.1	10	10	76.1	77.1	89	100	70-130	1	20	
Hardness, Magnesium (SM 2340B)	mg/L	66.7	41.2	41.2	107	107	98	99	70-130	0	20	
Magnesium	mg/L	16.2	10	10	26.0	26.1	98	99	70-130	0	20	
Potassium	mg/L	5.0	10	10	16.1	15.9	111	109	70-130	1	20	
Sodium	mg/L	107	10	10	115	117	87	101	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch:	939096	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

METHOD BLANK:	3723186	Matrix:	Water
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Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.021	0.050	0.021	07/02/25 20:08	

LABORATORY CONTROL SAMPLE: 3723187						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	9.1	91	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3723189							
		60477512002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Magnesium, Dissolved	mg/L	49.9	10	10	52.5	55.7	26	58	70-130	6	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939140	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3723372	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	06/30/25 15:20	
Cadmium	mg/L	<0.000062	0.00050	0.000062	07/01/25 10:42	
Cobalt	mg/L	<0.00010	0.0010	0.00010	06/30/25 15:20	
Iron	mg/L	<0.0044	0.050	0.0044	06/30/25 15:20	
Lead	mg/L	<0.00023	0.0010	0.00023	06/30/25 15:20	
Manganese	mg/L	<0.00052	0.0010	0.00052	06/30/25 15:20	
Molybdenum	mg/L	<0.00016	0.0010	0.00016	07/01/25 10:42	

LABORATORY CONTROL SAMPLE: 3723373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.95	95	85-115	
Cadmium	mg/L	0.04	0.040	99	85-115	
Cobalt	mg/L	0.04	0.038	96	85-115	
Iron	mg/L	1	0.93	93	85-115	
Lead	mg/L	0.04	0.038	95	85-115	
Manganese	mg/L	0.04	0.038	95	85-115	
Molybdenum	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723374 3723375

Parameter	Units	60477512006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	0.54	1	1	1.6	1.6	110	110	70-130	0	20	
Cadmium	mg/L	<0.000062	0.04	0.04	0.038	0.038	95	94	70-130	1	20	
Cobalt	mg/L	0.00042J	0.04	0.04	0.037	0.038	93	94	70-130	1	20	
Iron	mg/L	0.96	1	1	1.9	1.9	90	90	70-130	0	20	
Lead	mg/L	0.00037J	0.04	0.04	0.036	0.037	90	91	70-130	1	20	
Manganese	mg/L	0.11	0.04	0.04	0.15	0.15	80	84	70-130	1	20	
Molybdenum	mg/L	0.0070	0.04	0.04	0.049	0.048	105	104	70-130	1	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939095	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK: 3723182

Matrix: Water

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	0.050	0.0082	06/30/25 16:03	
Cobalt, Dissolved	mg/L	<0.00010	0.0010	0.00010	06/30/25 16:03	
Iron, Dissolved	mg/L	<0.0044	0.050	0.0044	06/30/25 16:03	
Manganese, Dissolved	mg/L	<0.00052	0.0010	0.00052	06/30/25 16:03	

LABORATORY CONTROL SAMPLE: 3723183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	0.98	98	85-115	
Cobalt, Dissolved	mg/L	0.04	0.039	97	85-115	
Iron, Dissolved	mg/L	1	0.95	95	85-115	
Manganese, Dissolved	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723184 3723185

Parameter	Units	60477512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.0082	1	1	1.1	1.2	110	115	70-130	4	20	
Cobalt, Dissolved	mg/L	0.0012	0.04	0.04	0.038	0.038	91	93	70-130	2	20	
Iron, Dissolved	mg/L	1.0	1	1	1.8	1.9	82	86	70-130	2	20	
Manganese, Dissolved	mg/L	0.16	0.04	0.04	0.19	0.19	77	86	70-130	2	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch:	939408	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3724668	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	<0.0018	0.010	0.0018	07/07/25 10:53	

LABORATORY CONTROL SAMPLE: 3724669						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724670 3724671												
Parameter	Units	60477512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.14	1	1	1.1	1.1	100	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939097	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3723190	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.0018	0.010	0.0018	07/02/25 19:46	

LABORATORY CONTROL SAMPLE:	3723191					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3723192			3723193								
Parameter	Units	60477512004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.026	1	1	0.93	0.99	90	97	75-125	6	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch: 939232 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006

METHOD BLANK: 3723816 Matrix: Water
Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	06/19/25 18:24	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 18:24	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 18:24	

LABORATORY CONTROL SAMPLE: 3723817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	483	97	90-110	

SAMPLE DUPLICATE: 3723818

Parameter	Units	60477299002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	157	151	4	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	157	151	4	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

SAMPLE DUPLICATE: 3723819

Parameter	Units	60477497007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	50.3	50.8	1	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	50.3	50.8	1	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch: 939234 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512007, 60477512008

METHOD BLANK: 3723826 Matrix: Water

Associated Lab Samples: 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	06/19/25 21:18	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 21:18	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 21:18	

LABORATORY CONTROL SAMPLE: 3723827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	452	90	90-110	

SAMPLE DUPLICATE: 3723828

Parameter	Units	60477512007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	928	952	3	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	928	952	3	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	<10.5		10	

SAMPLE DUPLICATE: 3723829

Parameter	Units	60477595002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	229	224	2	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	229	224	2	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch: 939289 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

METHOD BLANK: 3724116 Matrix: Water
Associated Lab Samples: 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	5.0	06/20/25 14:41	

LABORATORY CONTROL SAMPLE: 3724117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	990	99	80-120	

SAMPLE DUPLICATE: 3724118

Parameter	Units	60477299002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	373	374	0	10	

SAMPLE DUPLICATE: 3724119

Parameter	Units	60477497009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2750	2870	4	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch:	939593	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512001, 60477512002, 60477512003

METHOD BLANK: 3725101 Matrix: Water
Associated Lab Samples: 60477512001, 60477512002, 60477512003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	5.0	06/24/25 14:05	

LABORATORY CONTROL SAMPLE: 3725102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	992	99	80-120	

SAMPLE DUPLICATE: 3725103

Parameter	Units	60477475001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1290	1290	0	10	

SAMPLE DUPLICATE: 3725104

Parameter	Units	60477567001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3190	3190	0	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch: 939104

Analysis Method: SM 3500-Fe B#4

QC Batch Method: SM 3500-Fe B#4

Analysis Description: Iron, Ferrous

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512004, 60477512005

METHOD BLANK: 3723201

Matrix: Water

Associated Lab Samples: 60477512004, 60477512005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	06/19/25 15:15	H6

LABORATORY CONTROL SAMPLE: 3723202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.0	101	90-110	H6

SAMPLE DUPLICATE: 3723203

Parameter	Units	60477292005 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	22.8	22.7	0	20	H6

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939106	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512006, 60477512007, 60477512008

METHOD BLANK: 3723204 Matrix: Water

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512006, 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	06/19/25 15:15	H6

LABORATORY CONTROL SAMPLE: 3723205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L		2.0			H6

SAMPLE DUPLICATE: 3723206

Parameter	Units	60477512006 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	0.69	0.68	2	20	H3,H6

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch: 939560

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

SAMPLE DUPLICATE: 3725010

Parameter	Units	60477595009 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	8.0	1	5	H1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch:	939422	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3724714	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.016	0.050	0.016	06/23/25 14:30	

LABORATORY CONTROL SAMPLE:	3724715					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3724717					3724718							
		60477476001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Sulfide, Total	mg/L	0.058	0.5	0.5	0.15	0.16	19	20	75-125	3	20	M1

SAMPLE DUPLICATE: 3724716						
Parameter	Units	60477476001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.058	0.058	0	20	

SAMPLE DUPLICATE: 3724719						
Parameter	Units	60477497001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.016		20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	939119	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3723248	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.055	0.10	0.055	06/19/25 05:02	
Nitrite as N	mg/L	<0.035	0.10	0.035	06/19/25 05:02	

LABORATORY CONTROL SAMPLE: 3723249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	103	90-110	
Nitrite as N	mg/L	2	2.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3723250		3723251								
Parameter	Units	60477512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.43	2	2	2.0	2.1	81	82	80-120	1	15	
Nitrite as N	mg/L	<0.035	2	2	2.0	2.1	102	103	80-120	1	15	

MATRIX SPIKE SAMPLE:		3723786					
		60477512004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate as N	mg/L	<0.055	2	1.7	87	80-120	H1
Nitrite as N	mg/L	<0.035	2	1.7	83	80-120	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	940916	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples: 60477512001, 60477512002, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008			

METHOD BLANK: 3730304

Matrix: Water

Associated Lab Samples: 60477512001, 60477512002, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	<0.53	1.0	0.53	07/09/25 09:52	
Fluoride	mg/L	<0.12	0.20	0.12	07/09/25 09:52	
Sulfate	mg/L	<0.55	1.0	0.55	07/09/25 09:52	

LABORATORY CONTROL SAMPLE: 3730305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	104	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	5	5.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3730306 3730307

Parameter	Units	60477512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.3	50	50	88.2	87.8	96	95	80-120	0	15	
Fluoride	mg/L	0.22	2.5	2.5	2.3	2.4	85	88	80-120	3	15	
Sulfate	mg/L	69.9	50	50	121	120	102	101	80-120	0	15	

MATRIX SPIKE SAMPLE: 3730308

Parameter	Units	60477613001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	33.5	25	59.1	102	80-120	
Fluoride	mg/L	<0.12	2.5	2.0	80	80-120	
Sulfate	mg/L	1680	500	2240	113	80-120 E	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch: 941399

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512003

METHOD BLANK: 3732131

Matrix: Water

Associated Lab Samples: 60477512003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	<0.53	1.0	0.53	07/11/25 15:27	
Fluoride	mg/L	<0.12	0.20	0.12	07/11/25 15:27	
Sulfate	mg/L	<0.55	1.0	0.55	07/11/25 15:27	

LABORATORY CONTROL SAMPLE: 3732132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.4	104	90-110	
Fluoride	mg/L	5	5.1	102	90-110	
Sulfate	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3732133

3732134

Parameter	Units	60478080007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8780	10000	10000	15100	19800	64	110	80-120	27	15	M1,R1
Fluoride	mg/L	ND	5000	5000	3610	4210	72	84	80-120	15	15	M1
Sulfate	mg/L	ND	10000	10000	7160	9960	72	100	80-120	33	15	M1,R1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch:	940403	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

METHOD BLANK:	3728420	Matrix:	Water
Associated Lab Samples:	60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512006, 60477512007, 60477512008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	0.090J	0.10	0.071	07/08/25 21:30	

LABORATORY CONTROL SAMPLE:	3728421					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.3	106	80-120	

MATRIX SPIKE SAMPLE:		3728422					
		60477396001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.56	5	6.2	114	80-120	

MATRIX SPIKE SAMPLE:	3728424						
		60477512007	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.17	5	5.4	105	80-120	

SAMPLE DUPLICATE:	3728423					
Parameter	Units	60477396002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.40	0.50	22	10 D6	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch: 940190 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477512004, 60477512005, 60477512006, 60477512007

METHOD BLANK: 3727829 Matrix: Water
Associated Lab Samples: 60477512004, 60477512005, 60477512006, 60477512007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	06/30/25 00:03	

LABORATORY CONTROL SAMPLE: 3727830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.8	117	80-120	

MATRIX SPIKE SAMPLE: 3727831

Parameter	Units	60477292005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.7	5	8.1	107	80-120	

SAMPLE DUPLICATE: 3727832

Parameter	Units	60477292005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	2.7	2.7	1	25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch: 940349 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512008

METHOD BLANK: 3728232 Matrix: Water
Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	06/30/25 20:44	

LABORATORY CONTROL SAMPLE: 3728233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.0	99	80-120	

MATRIX SPIKE SAMPLE: 3728234

Parameter	Units	60477512008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<0.54	5	3.2	54	80-120	M1

SAMPLE DUPLICATE: 3728235

Parameter	Units	60477512008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	<0.54	<0.54		25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60477512

QC Batch: 940422

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Dissolved Organic Carbon

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512006, 60477512008

METHOD BLANK: 3728472

Matrix: Water

Associated Lab Samples: 60477512006, 60477512008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.54	1.0	0.54	07/01/25 18:08	

LABORATORY CONTROL SAMPLE: 3728473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.8	117	80-120	

MATRIX SPIKE SAMPLE: 3728474

Parameter	Units	60477292002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5.3	25	33.8	114	80-120	

SAMPLE DUPLICATE: 3728475

Parameter	Units	60477292002 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	5.3	5.3	1	25	D3

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60477512

QC Batch:	940707	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512007

METHOD BLANK: 3729641 Matrix: Water
Associated Lab Samples: 60477512001, 60477512002, 60477512003, 60477512004, 60477512005, 60477512007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.54	1.0	0.54	07/03/25 14:47	

LABORATORY CONTROL SAMPLE: 3729642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.8	117	80-120	

MATRIX SPIKE SAMPLE: 3729643

Parameter	Units	60477512001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.4	5	8.0	111	80-120	

SAMPLE DUPLICATE: 3729644

Parameter	Units	60477512003 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	6.2	9.5	42	25	D6

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QUALIFIERS

Project: La Cygne N&E Wells

Pace Project No.: 60477512

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1e	Dissolved result is greater than the conductivity. Data is within laboratory control limits.
B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477512001	LAC-B-1-061725	EPA 200.7	939141	EPA 200.7	939244
60477512002	LAC-B-2-061725	EPA 200.7	939141	EPA 200.7	939244
60477512003	LAC-B-3-061725	EPA 200.7	939141	EPA 200.7	939244
60477512004	LAC-B-4-061625	EPA 200.7	939141	EPA 200.7	939244
60477512005	LAC-B-5-061625	EPA 200.7	939141	EPA 200.7	939244
60477512006	LAC-MW-10D-061625	EPA 200.7	939141	EPA 200.7	939244
60477512007	LAC-MW707D-061625	EPA 200.7	939141	EPA 200.7	939244
60477512008	LAC-B&E-DUP-061625	EPA 200.7	939141	EPA 200.7	939244
60477512001	LAC-B-1-061725	EPA 200.7	939096	EPA 200.7	939164
60477512002	LAC-B-2-061725	EPA 200.7	939096	EPA 200.7	939164
60477512003	LAC-B-3-061725	EPA 200.7	939096	EPA 200.7	939164
60477512004	LAC-B-4-061625	EPA 200.7	939096	EPA 200.7	939164
60477512005	LAC-B-5-061625	EPA 200.7	939096	EPA 200.7	939164
60477512006	LAC-MW-10D-061625	EPA 200.7	939096	EPA 200.7	939164
60477512007	LAC-MW707D-061625	EPA 200.7	939096	EPA 200.7	939164
60477512008	LAC-B&E-DUP-061625	EPA 200.7	939096	EPA 200.7	939164
60477512001	LAC-B-1-061725	EPA 3010	939408	EPA 6010	939558
60477512002	LAC-B-2-061725	EPA 3010	939408	EPA 6010	939558
60477512003	LAC-B-3-061725	EPA 3010	939408	EPA 6010	939558
60477512004	LAC-B-4-061625	EPA 3010	939408	EPA 6010	939558
60477512005	LAC-B-5-061625	EPA 3010	939408	EPA 6010	939558
60477512006	LAC-MW-10D-061625	EPA 3010	939408	EPA 6010	939558
60477512007	LAC-MW707D-061625	EPA 3010	939408	EPA 6010	939558
60477512008	LAC-B&E-DUP-061625	EPA 3010	939408	EPA 6010	939558
60477512001	LAC-B-1-061725	EPA 3010	939097	EPA 6010	939154
60477512002	LAC-B-2-061725	EPA 3010	939097	EPA 6010	939154
60477512003	LAC-B-3-061725	EPA 3010	939097	EPA 6010	939154
60477512004	LAC-B-4-061625	EPA 3010	939097	EPA 6010	939154
60477512005	LAC-B-5-061625	EPA 3010	939097	EPA 6010	939154
60477512006	LAC-MW-10D-061625	EPA 3010	939097	EPA 6010	939154
60477512007	LAC-MW707D-061625	EPA 3010	939097	EPA 6010	939154
60477512008	LAC-B&E-DUP-061625	EPA 3010	939097	EPA 6010	939154
60477512001	LAC-B-1-061725	EPA 200.8	939140	EPA 200.8	939254
60477512002	LAC-B-2-061725	EPA 200.8	939140	EPA 200.8	939254
60477512003	LAC-B-3-061725	EPA 200.8	939140	EPA 200.8	939254
60477512004	LAC-B-4-061625	EPA 200.8	939140	EPA 200.8	939254
60477512005	LAC-B-5-061625	EPA 200.8	939140	EPA 200.8	939254
60477512006	LAC-MW-10D-061625	EPA 200.8	939140	EPA 200.8	939254
60477512007	LAC-MW707D-061625	EPA 200.8	939140	EPA 200.8	939254
60477512008	LAC-B&E-DUP-061625	EPA 200.8	939140	EPA 200.8	939254
60477512001	LAC-B-1-061725	EPA 200.8	939095	EPA 200.8	939163
60477512002	LAC-B-2-061725	EPA 200.8	939095	EPA 200.8	939163
60477512003	LAC-B-3-061725	EPA 200.8	939095	EPA 200.8	939163
60477512004	LAC-B-4-061625	EPA 200.8	939095	EPA 200.8	939163
60477512005	LAC-B-5-061625	EPA 200.8	939095	EPA 200.8	939163
60477512006	LAC-MW-10D-061625	EPA 200.8	939095	EPA 200.8	939163

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477512007	LAC-MW707D-061625	EPA 200.8	939095	EPA 200.8	939163
60477512008	LAC-B&E-DUP-061625	EPA 200.8	939095	EPA 200.8	939163
60477512001	LAC-B-1-061725	SM 2320B	939232		
60477512002	LAC-B-2-061725	SM 2320B	939232		
60477512003	LAC-B-3-061725	SM 2320B	939232		
60477512004	LAC-B-4-061625	SM 2320B	939232		
60477512005	LAC-B-5-061625	SM 2320B	939232		
60477512006	LAC-MW-10D-061625	SM 2320B	939232		
60477512007	LAC-MW707D-061625	SM 2320B	939234		
60477512008	LAC-B&E-DUP-061625	SM 2320B	939234		
60477512001	LAC-B-1-061725	SM 2540C	939593		
60477512002	LAC-B-2-061725	SM 2540C	939593		
60477512003	LAC-B-3-061725	SM 2540C	939593		
60477512004	LAC-B-4-061625	SM 2540C	939289		
60477512005	LAC-B-5-061625	SM 2540C	939289		
60477512006	LAC-MW-10D-061625	SM 2540C	939289		
60477512007	LAC-MW707D-061625	SM 2540C	939289		
60477512008	LAC-B&E-DUP-061625	SM 2540C	939289		
60477512001	LAC-B-1-061725	SM 3500-Fe B#4	939106		
60477512002	LAC-B-2-061725	SM 3500-Fe B#4	939106		
60477512003	LAC-B-3-061725	SM 3500-Fe B#4	939106		
60477512004	LAC-B-4-061625	SM 3500-Fe B#4	939104		
60477512005	LAC-B-5-061625	SM 3500-Fe B#4	939104		
60477512006	LAC-MW-10D-061625	SM 3500-Fe B#4	939106		
60477512007	LAC-MW707D-061625	SM 3500-Fe B#4	939106		
60477512008	LAC-B&E-DUP-061625	SM 3500-Fe B#4	939106		
60477512001	LAC-B-1-061725	SM 4500-H+B	939560		
60477512002	LAC-B-2-061725	SM 4500-H+B	939560		
60477512003	LAC-B-3-061725	SM 4500-H+B	939560		
60477512004	LAC-B-4-061625	SM 4500-H+B	939560		
60477512005	LAC-B-5-061625	SM 4500-H+B	939560		
60477512006	LAC-MW-10D-061625	SM 4500-H+B	939560		
60477512007	LAC-MW707D-061625	SM 4500-H+B	939560		
60477512008	LAC-B&E-DUP-061625	SM 4500-H+B	939560		
60477512001	LAC-B-1-061725	SM 4500-S-2 D	939422		
60477512002	LAC-B-2-061725	SM 4500-S-2 D	939422		
60477512003	LAC-B-3-061725	SM 4500-S-2 D	939422		
60477512004	LAC-B-4-061625	SM 4500-S-2 D	939422		
60477512005	LAC-B-5-061625	SM 4500-S-2 D	939422		
60477512006	LAC-MW-10D-061625	SM 4500-S-2 D	939422		
60477512007	LAC-MW707D-061625	SM 4500-S-2 D	939422		
60477512008	LAC-B&E-DUP-061625	SM 4500-S-2 D	939422		
60477512001	LAC-B-1-061725	EPA 300.0	939119		
60477512002	LAC-B-2-061725	EPA 300.0	939119		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60477512

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477512003	LAC-B-3-061725	EPA 300.0	939119		
60477512004	LAC-B-4-061625	EPA 300.0	939119		
60477512005	LAC-B-5-061625	EPA 300.0	939119		
60477512006	LAC-MW-10D-061625	EPA 300.0	939119		
60477512007	LAC-MW707D-061625	EPA 300.0	939119		
60477512008	LAC-B&E-DUP-061625	EPA 300.0	939119		
60477512001	LAC-B-1-061725	EPA 300.0	940916		
60477512002	LAC-B-2-061725	EPA 300.0	940916		
60477512003	LAC-B-3-061725	EPA 300.0	941399		
60477512004	LAC-B-4-061625	EPA 300.0	940916		
60477512005	LAC-B-5-061625	EPA 300.0	940916		
60477512006	LAC-MW-10D-061625	EPA 300.0	940916		
60477512007	LAC-MW707D-061625	EPA 300.0	940916		
60477512008	LAC-B&E-DUP-061625	EPA 300.0	940916		
60477512001	LAC-B-1-061725	EPA 365.4	940403	EPA 365.4	941230
60477512002	LAC-B-2-061725	EPA 365.4	940403	EPA 365.4	941230
60477512003	LAC-B-3-061725	EPA 365.4	940403	EPA 365.4	941230
60477512004	LAC-B-4-061625	EPA 365.4	940403	EPA 365.4	941230
60477512005	LAC-B-5-061625	EPA 365.4	940403	EPA 365.4	941230
60477512006	LAC-MW-10D-061625	EPA 365.4	940403	EPA 365.4	941230
60477512007	LAC-MW707D-061625	EPA 365.4	940403	EPA 365.4	941230
60477512008	LAC-B&E-DUP-061625	EPA 365.4	940403	EPA 365.4	941230
60477512001	LAC-B-1-061725	SM 5310C	940349		
60477512002	LAC-B-2-061725	SM 5310C	940349		
60477512003	LAC-B-3-061725	SM 5310C	940349		
60477512004	LAC-B-4-061625	SM 5310C	940190		
60477512005	LAC-B-5-061625	SM 5310C	940190		
60477512006	LAC-MW-10D-061625	SM 5310C	940190		
60477512007	LAC-MW707D-061625	SM 5310C	940190		
60477512008	LAC-B&E-DUP-061625	SM 5310C	940349		
60477512001	LAC-B-1-061725	SM 5310C	940707		
60477512002	LAC-B-2-061725	SM 5310C	940707		
60477512003	LAC-B-3-061725	SM 5310C	940707		
60477512004	LAC-B-4-061625	SM 5310C	940707		
60477512005	LAC-B-5-061625	SM 5310C	940707		
60477512006	LAC-MW-10D-061625	SM 5310C	940422		
60477512007	LAC-MW707D-061625	SM 5310C	940707		
60477512008	LAC-B&E-DUP-061625	SM 5310C	940422		

REPORT OF LABORATORY ANALYSIS

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WO#: 60477512



DC#_Title: ENV-FRM-LENE-0009_Sa

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: EvergyCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 1.0 Corr. Factor 10.1 Corrected 1.1Date and initials of person
examining contents: DF 12/18

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	COOLER 2: 1.0
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	COOLER 3: 2.8
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	NOX
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Client: Evergy
Site: La Cygne Nè E wells

Profile/EZ # E2 32666666
Notes NOX

COC ne Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	NA		3										2							1	2		2	2	1							
2			3										2							1	2		1	1	1		1					
3			3										2							1	2		1	1	1		1					
4			3										2							1	2		1	1	1		1					
5			3										2							1	2		1	1	1		1					
6			3										2							1	2		1	1	1		1					
7			3										2							1	2		1	1	1		1					
8			3										2							1	2		1	1	1		1					
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic				Misc.			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab			
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate			
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag			
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter			
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes			
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit			
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can			
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic						
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic						
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate						
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic						
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water			
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid			
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid			
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL			
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe			
				BP4U	125mL unpreserved plastic	DW		Drinking Water			
				BP4N	125mL HNO3 plastic						
				BP4S	125mL H2SO4 plastic						
				WPDU	16oz unpreserved plstic						

Work Order Number: 00977512



July 16, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in black ink that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

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SAMPLE SUMMARY

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477613001	LAC-MW-13-061825	Water	06/18/25 14:25	06/19/25 11:26
60477613002	LAC-MW-14R-061825	Water	06/18/25 12:25	06/19/25 11:26
60477613003	LAC-MW-15-061825	Water	06/18/25 16:35	06/19/25 11:26
60477613004	LAC-MW-601-061825	Water	06/18/25 17:30	06/19/25 11:26
60477613005	LAC-MW-602-061825	Water	06/18/25 13:25	06/19/25 11:26
60477613006	LAC-MW-708-061825	Water	06/18/25 14:10	06/19/25 11:26
60477613007	LAC-MW-801-061825	Water	06/18/25 12:40	06/19/25 11:26
60477613008	LAC-MW-802-061825	Water	06/18/25 11:30	06/19/25 11:26
60477613009	LAC-MW804-061825	Water	06/18/25 09:25	06/19/25 11:26
60477613010	LAC-MW-805-061725	Water	06/18/25 13:30	06/19/25 11:26
60477613011	LAC-DUP1-061725	Water	06/18/25 13:30	06/19/25 11:26

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SAMPLE ANALYTE COUNT

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477613001	LAC-MW-13-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613002	LAC-MW-14R-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613003	LAC-MW-15-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477613004	LAC-MW-601-061825	SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613005	LAC-MW-602-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477613006	LAC-MW-708-061825	SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613007	LAC-MW-801-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613008	LAC-MW-802-061825	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K

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SAMPLE ANALYTE COUNT

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477613009	LAC-MW804-061825	SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477613010	LAC-MW-805-061725	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477613011	LAC-DUP1-061725	SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939476

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477613001,60477613010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724835)
- Calcium

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939478

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477613002,60477613011

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724840)
- Manganese

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: EPA 200.8
Description: 200.8 MET ICPMS, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 939406

B: Analyte was detected in the associated method blank.

- BLANK for HBN 939406 [MPRP/878 (Lab ID: 3724658)]
- Iron, Dissolved

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939406

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477613001,60477613011

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 3724662)
- Manganese, Dissolved

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-DUP1-061725 (Lab ID: 60477613011)
- LAC-MW-13-061825 (Lab ID: 60477613001)
- LAC-MW-14R-061825 (Lab ID: 60477613002)
- LAC-MW-15-061825 (Lab ID: 60477613003)
- LAC-MW-601-061825 (Lab ID: 60477613004)
- LAC-MW-602-061825 (Lab ID: 60477613005)
- LAC-MW-708-061825 (Lab ID: 60477613006)
- LAC-MW-801-061825 (Lab ID: 60477613007)
- LAC-MW-802-061825 (Lab ID: 60477613008)
- LAC-MW-805-061725 (Lab ID: 60477613010)
- LAC-MW804-061825 (Lab ID: 60477613009)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-DUP1-061725 (Lab ID: 60477613011)
- LAC-MW-13-061825 (Lab ID: 60477613001)
- LAC-MW-14R-061825 (Lab ID: 60477613002)
- LAC-MW-15-061825 (Lab ID: 60477613003)
- LAC-MW-601-061825 (Lab ID: 60477613004)
- LAC-MW-602-061825 (Lab ID: 60477613005)
- LAC-MW-708-061825 (Lab ID: 60477613006)
- LAC-MW-801-061825 (Lab ID: 60477613007)
- LAC-MW-802-061825 (Lab ID: 60477613008)
- LAC-MW-805-061725 (Lab ID: 60477613010)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-MW804-061825 (Lab ID: 60477613009)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: SM 4500-S-2 D

Description: 4500S2D Sulfide, Total

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: EPA 300.0
Description: 300.0 IC Anions
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-DUP1-061725 (Lab ID: 60477613011)
- LAC-MW-13-061825 (Lab ID: 60477613001)
- LAC-MW-601-061825 (Lab ID: 60477613004)
- LAC-MW-708-061825 (Lab ID: 60477613006)
- LAC-MW-801-061825 (Lab ID: 60477613007)
- LAC-MW-802-061825 (Lab ID: 60477613008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939263

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477572004,60477613008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3723968)
 - Nitrate as N
- MS (Lab ID: 3723969)
 - Nitrate as N
- MSD (Lab ID: 3723970)
 - Nitrate as N

QC Batch: 939302

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477667002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3724280)
 - Nitrate as N

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 940916

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3730308)
- Sulfate

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

Method: EPA 365.4
Description: 365.4 Total Phosphorus
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

11 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 940404

B: Analyte was detected in the associated method blank.

- BLANK for HBN 940404 [WETA/109 (Lab ID: 3728425)
- Phosphorus

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940403

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3728423)
- Phosphorus

Additional Comments:

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: SM 5310C

Description: 5310C TOC

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 940349

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477512008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3728234)
- Total Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 940584

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- DUP (Lab ID: 3729121)
- Total Organic Carbon

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PROJECT NARRATIVE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Method: SM 5310C

Description: 5310C Dissolved Organic Carbon

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

11 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940707

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3729644)
- Dissolved Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-13-061825 Lab ID: 60477613001 Collected: 06/18/25 14:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.29	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:28	7440-42-8	M1,P6
Calcium, Total Recoverable	365	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:28	7440-70-2	
Magnesium, Total Recoverable	173	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:28	7439-95-4	
Potassium, Total Recoverable	3.0	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:28	7440-09-7	
Sodium, Total Recoverable	140	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:28	7440-23-5	
Total Hardness by 2340B, Total Recoverable	1620	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:28		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	180	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 13:51	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.057	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:14	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:02	7429-90-5	
Iron, Total Recoverable	0.0056J	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:02	7439-89-6	
Manganese, Total Recoverable	0.0016	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:02	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 17:48	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 17:48	7440-48-4	
Iron, Dissolved	<0.0044	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 17:48	7439-89-6	
Manganese, Dissolved	0.00064J	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 17:48	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	342	mg/L	20.0	10.5	1		06/20/25 00:12		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/20/25 00:12		
Alkalinity, Total as CaCO3	342	mg/L	20.0	10.5	1		06/20/25 00:12		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	2710	mg/L	66.7	66.7	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	<0.041	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-13-061825 Lab ID: 60477613001 Collected: 06/18/25 14:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	6.7	Std. Units	0.10	0.10	1		06/24/25 15:12		H1
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.081J	mg/L	0.10	0.055	1		06/20/25 15:09	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 15:09	14797-65-0	H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	33.5	mg/L	5.0	2.6	5		07/09/25 15:39	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 15:03	16984-48-8	
Sulfate	1680	mg/L	100	55.0	100		07/09/25 16:01	14808-79-8	
365.4 Total Phosphorus Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	18.6	mg/L	1.0	0.71	10	07/01/25 14:30	07/15/25 15:42	7723-14-0	
5310C TOC Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	1.4	mg/L	1.0	0.54	1		06/30/25 23:37	7440-44-0	
5310C Dissolved Organic Carbon Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.7	mg/L	1.0	0.54	1		07/07/25 18:21		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-14R-061825 Lab ID: 60477613002 Collected: 06/18/25 12:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.68	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:34	7440-42-8	
Calcium, Total Recoverable	51.1	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:34	7440-70-2	
Magnesium, Total Recoverable	37.3	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:34	7439-95-4	
Potassium, Total Recoverable	4.4	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:34	7440-09-7	
Sodium, Total Recoverable	111	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:34	7440-23-5	
Total Hardness by 2340B, Total Recoverable	281	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:34		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	38.2	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 13:52	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.042	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:12	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.013J	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 16:51	7429-90-5	
Iron, Total Recoverable	0.14	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 16:51	7439-89-6	
Manganese, Total Recoverable	0.18	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 16:51	7439-96-5	M1
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:00	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:00	7440-48-4	
Iron, Dissolved	0.062	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:00	7439-89-6	B
Manganese, Dissolved	0.17	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:00	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	486	mg/L	20.0	10.5	1		06/20/25 00:19		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/20/25 00:19		
Alkalinity, Total as CaCO3	486	mg/L	20.0	10.5	1		06/20/25 00:19		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	596	mg/L	13.3	13.3	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.26	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-14R-061825 Lab ID: 60477613002 Collected: 06/18/25 12:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.3	Std. Units	0.10	0.10	1		06/24/25 15:13		H1
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	3.9	mg/L	0.25	0.078	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.53	mg/L	0.10	0.055	1		06/20/25 12:24	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 12:24	14797-65-0	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	6.8	mg/L	1.0	0.53	1		07/09/25 16:23	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 16:23	16984-48-8	
Sulfate	50.3	mg/L	5.0	2.8	5		07/09/25 16:34	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.36	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:08	7723-14-0	B
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	0.70J	mg/L	1.0	0.54	1		06/30/25 23:51	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	0.92J	mg/L	1.0	0.54	1		07/07/25 18:40		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-15-061825 Lab ID: 60477613003 Collected: 06/18/25 16:35 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.20	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:36	7440-42-8	
Calcium, Total Recoverable	97.9	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:36	7440-70-2	
Magnesium, Total Recoverable	35.3	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:36	7439-95-4	
Potassium, Total Recoverable	2.7	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:36	7440-09-7	
Sodium, Total Recoverable	129	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:36	7440-23-5	
Total Hardness by 2340B, Total Recoverable	390	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:36		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	36.4	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 13:58	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.024	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:07	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:05	7429-90-5	
Iron, Total Recoverable	<0.0044	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:05	7439-89-6	
Manganese, Total Recoverable	<0.00052	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:05	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:02	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:02	7440-48-4	
Iron, Dissolved	0.0086J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:02	7439-89-6	B
Manganese, Dissolved	<0.00052	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:02	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	471	mg/L	20.0	10.5	1		06/20/25 00:25		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/20/25 00:25		
Alkalinity, Total as CaCO3	471	mg/L	20.0	10.5	1		06/20/25 00:25		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	773	mg/L	13.3	13.3	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	<0.041	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-15-061825		Lab ID: 60477613003		Collected: 06/18/25 16:35		Received: 06/19/25 11:26		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.3	Std. Units	0.10	0.10	1		06/24/25 15:13		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.055	mg/L	0.10	0.055	1		06/20/25 15:20	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 15:20	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	11.1	mg/L	1.0	0.53	1		07/09/25 17:08	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 17:08	16984-48-8	
Sulfate	216	mg/L	50.0	27.5	50		07/09/25 17:19	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.15	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:13	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 00:05	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.6	mg/L	1.0	0.54	1		07/07/25 19:00		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-601-061825 Lab ID: 60477613004 Collected: 06/18/25 17:30 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.7	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:37	7440-42-8	
Calcium, Total Recoverable	14.3	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:37	7440-70-2	
Magnesium, Total Recoverable	9.8	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:37	7439-95-4	
Potassium, Total Recoverable	4.3	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:37	7440-09-7	
Sodium, Total Recoverable	338	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:37	7440-23-5	
Total Hardness by 2340B, Total Recoverable	76.0	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:37		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	10.3	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:00	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.075	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:16	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.40	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:08	7429-90-5	
Iron, Total Recoverable	0.25	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:08	7439-89-6	
Manganese, Total Recoverable	0.034	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:08	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.016J	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:05	7429-90-5	
Cobalt, Dissolved	0.00011J	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:05	7440-48-4	
Iron, Dissolved	0.022J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:05	7439-89-6	B
Manganese, Dissolved	0.032	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:05	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	643	mg/L	20.0	10.5	1		06/25/25 14:28		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 14:28		
Alkalinity, Total as CaCO3	643	mg/L	20.0	10.5	1		06/25/25 14:28		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	1060	mg/L	20.0	20.0	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.16J	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-601-061825		Lab ID: 60477613004		Collected: 06/18/25 17:30		Received: 06/19/25 11:26		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.8	Std. Units	0.10	0.10	1		06/24/25 15:13		H1
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.21	mg/L	0.10	0.055	1		06/20/25 22:19	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 22:19	14797-65-0	H1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	170	mg/L	20.0	10.5	20		07/09/25 17:41	16887-00-6	
Fluoride	1.4	mg/L	0.20	0.12	1		07/09/25 17:30	16984-48-8	
Sulfate	4.9	mg/L	1.0	0.55	1		07/09/25 17:30	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.11	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:18	7723-14-0	B
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 00:20	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/07/25 19:20		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-602-061825 Lab ID: 60477613005 Collected: 06/18/25 13:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	2.2	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:39	7440-42-8	
Calcium, Total Recoverable	20.4	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:39	7440-70-2	
Magnesium, Total Recoverable	13.9	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:39	7439-95-4	
Potassium, Total Recoverable	3.5	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:39	7440-09-7	
Sodium, Total Recoverable	190	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:39	7440-23-5	
Total Hardness by 2340B, Total Recoverable	108	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:39		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	14.1	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:01	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.063	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:18	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.33	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:10	7429-90-5	
Iron, Total Recoverable	0.27	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:10	7439-89-6	
Manganese, Total Recoverable	0.020	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:10	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:07	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:07	7440-48-4	
Iron, Dissolved	0.026J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:07	7439-89-6	B
Manganese, Dissolved	0.013	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:07	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	494	mg/L	20.0	10.5	1		06/25/25 14:35		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 14:35		
Alkalinity, Total as CaCO3	494	mg/L	20.0	10.5	1		06/25/25 14:35		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	641	mg/L	13.3	13.3	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.074J	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-602-061825		Lab ID: 60477613005		Collected: 06/18/25 13:25		Received: 06/19/25 11:26		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	0.10	1		06/24/25 15:13		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.49	mg/L	0.10	0.055	1		06/20/25 13:09	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 13:09	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	17.4	mg/L	1.0	0.53	1		07/09/25 17:52	16887-00-6	
Fluoride	0.94	mg/L	0.20	0.12	1		07/09/25 17:52	16984-48-8	
Sulfate	27.5	mg/L	5.0	2.8	5		07/09/25 18:03	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.094J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:20	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 00:34	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.0	mg/L	1.0	0.54	1		07/07/25 19:39		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-708-061825 Lab ID: 60477613006 Collected: 06/18/25 14:10 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.3	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:53	7440-42-8	
Calcium, Total Recoverable	26.5	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:53	7440-70-2	
Magnesium, Total Recoverable	29.7	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:53	7439-95-4	
Potassium, Total Recoverable	4.4	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:53	7440-09-7	
Sodium, Total Recoverable	181	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:53	7440-23-5	
Total Hardness by 2340B, Total Recoverable	189	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:53		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	32.1	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:09	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.084	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:25	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.011J	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:17	7429-90-5	
Iron, Total Recoverable	0.0050J	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:17	7439-89-6	
Manganese, Total Recoverable	0.077	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:17	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:14	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:14	7440-48-4	
Iron, Dissolved	0.0046J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:14	7439-89-6	B
Manganese, Dissolved	0.071	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:14	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	549	mg/L	20.0	10.5	1		06/25/25 14:43		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 14:43		
Alkalinity, Total as CaCO3	549	mg/L	20.0	10.5	1		06/25/25 14:43		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	716	mg/L	13.3	13.3	1		06/25/25 16:20		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	<0.041	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-708-061825 Lab ID: 60477613006 Collected: 06/18/25 14:10 Received: 06/19/25 11:26 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		06/24/25 15:13		H1
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.082J	mg/L	0.10	0.055	1		06/20/25 22:08	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 22:08	14797-65-0	H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	49.1	mg/L	10.0	5.3	10		07/09/25 18:25	16887-00-6	
Fluoride	0.34	mg/L	0.20	0.12	1		07/09/25 18:14	16984-48-8	
Sulfate	10.3	mg/L	1.0	0.55	1		07/09/25 18:14	14808-79-8	
365.4 Total Phosphorus Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.090J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:22	7723-14-0	B
5310C TOC Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 00:48	7440-44-0	
5310C Dissolved Organic Carbon Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.3	mg/L	1.0	0.54	1		07/07/25 19:59		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-801-061825 Lab ID: 60477613007 Collected: 06/18/25 12:40 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	2.1	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:55	7440-42-8	
Calcium, Total Recoverable	23.2	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:55	7440-70-2	
Magnesium, Total Recoverable	19.6	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:55	7439-95-4	
Potassium, Total Recoverable	5.4	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:55	7440-09-7	
Sodium, Total Recoverable	271	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:55	7440-23-5	
Total Hardness by 2340B, Total Recoverable	139	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:55		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	21.3	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:11	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.094	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:27	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.023J	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 18:17	7429-90-5	
Iron, Total Recoverable	0.053	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 18:17	7439-89-6	
Manganese, Total Recoverable	0.017	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 18:17	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.012J	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 17:19	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 17:19	7440-48-4	
Iron, Dissolved	0.026J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 17:19	7439-89-6	B
Manganese, Dissolved	0.017	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 17:19	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	649	mg/L	20.0	10.5	1		06/25/25 14:50		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 14:50		
Alkalinity, Total as CaCO3	649	mg/L	20.0	10.5	1		06/25/25 14:50		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	916	mg/L	20.0	20.0	1		06/25/25 16:21		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	<0.041	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-801-061825 Lab ID: 60477613007 Collected: 06/18/25 12:40 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.5	Std. Units	0.10	0.10	1		06/24/25 15:14		H1
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.11	mg/L	0.10	0.055	1		06/20/25 12:58	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 12:58	14797-65-0	H1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	92.1	mg/L	20.0	10.5	20		07/09/25 18:47	16887-00-6	
Fluoride	0.91	mg/L	0.20	0.12	1		07/09/25 18:36	16984-48-8	
Sulfate	0.84J	mg/L	1.0	0.55	1		07/09/25 18:36	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.080J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:25	7723-14-0	B
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 01:03	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/07/25 20:19		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-802-061825 Lab ID: 60477613008 Collected: 06/18/25 11:30 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	2.2	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:57	7440-42-8	
Calcium, Total Recoverable	27.5	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:57	7440-70-2	
Magnesium, Total Recoverable	26.7	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:57	7439-95-4	
Potassium, Total Recoverable	5.1	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:57	7440-09-7	
Sodium, Total Recoverable	197	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:57	7440-23-5	
Total Hardness by 2340B, Total Recoverable	179	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:57		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	28.2	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:12	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.092	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:29	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.027J	mg/L	0.050	0.0082	1	07/02/25 09:18	07/03/25 11:54	7429-90-5	
Iron, Total Recoverable	0.51	mg/L	0.050	0.0044	1	07/02/25 09:18	07/03/25 11:54	7439-89-6	
Manganese, Total Recoverable	0.016	mg/L	0.0010	0.00052	1	07/02/25 09:18	07/03/25 11:54	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:19	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:19	7440-48-4	
Iron, Dissolved	0.51	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:19	7439-89-6	
Manganese, Dissolved	0.015	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:19	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	589	mg/L	20.0	10.5	1		06/25/25 14:57		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 14:57		
Alkalinity, Total as CaCO3	589	mg/L	20.0	10.5	1		06/25/25 14:57		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	741	mg/L	13.3	13.3	1		06/25/25 16:21		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.90	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-802-061825		Lab ID: 60477613008		Collected: 06/18/25 11:30		Received: 06/19/25 11:26		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	0.10	1		06/24/25 15:14		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.25	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.055	mg/L	0.10	0.055	1		06/20/25 21:35	14797-55-8	H1,M1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 21:35	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	38.8	mg/L	5.0	2.6	5		07/09/25 19:32	16887-00-6	
Fluoride	0.60	mg/L	0.20	0.12	1		07/09/25 19:21	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.55	1		07/09/25 19:21	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.11	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:42	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 01:46	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.1	mg/L	1.0	0.54	1		07/07/25 21:19		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW804-061825 Lab ID: 60477613009 Collected: 06/18/25 09:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.5	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 16:58	7440-42-8	
Calcium, Total Recoverable	66.2	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 16:58	7440-70-2	
Magnesium, Total Recoverable	22.1	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 16:58	7439-95-4	
Potassium, Total Recoverable	2.6	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 16:58	7440-09-7	
Sodium, Total Recoverable	124	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 16:58	7440-23-5	
Total Hardness by 2340B, Total Recoverable	256	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 16:58		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	22.8	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:35	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.042	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:31	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.019J	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:25	7429-90-5	
Iron, Total Recoverable	0.030J	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:25	7439-89-6	
Manganese, Total Recoverable	0.015	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:25	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:22	7429-90-5	
Cobalt, Dissolved	<0.00010	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:22	7440-48-4	
Iron, Dissolved	0.0083J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:22	7439-89-6	B
Manganese, Dissolved	0.0090	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:22	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	460	mg/L	20.0	10.5	1		06/25/25 15:04		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 15:04		
Alkalinity, Total as CaCO3	460	mg/L	20.0	10.5	1		06/25/25 15:04		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	616	mg/L	13.3	13.3	1		06/25/25 16:21		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.30	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW804-061825 Lab ID: 60477613009 Collected: 06/18/25 09:25 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		06/24/25 15:14		H3
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.17	mg/L	0.10	0.055	1		06/20/25 06:47	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 06:47	14797-65-0	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	41.0	mg/L	5.0	2.6	5		07/09/25 19:54	16887-00-6	
Fluoride	0.15J	mg/L	0.20	0.12	1		07/09/25 19:43	16984-48-8	
Sulfate	28.3	mg/L	5.0	2.8	5		07/09/25 19:54	14808-79-8	
365.4 Total Phosphorus Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.088J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:43	7723-14-0	B
5310C TOC Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 02:01	7440-44-0	
5310C Dissolved Organic Carbon Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	0.93J	mg/L	1.0	0.54	1		07/07/25 21:39		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-805-061725 Lab ID: 60477613010 Collected: 06/18/25 13:30 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.42	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 17:00	7440-42-8	
Calcium, Total Recoverable	459	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 17:00	7440-70-2	
Magnesium, Total Recoverable	126	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 17:00	7439-95-4	
Potassium, Total Recoverable	1.3	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 17:00	7440-09-7	
Sodium, Total Recoverable	85.1	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 17:00	7440-23-5	
Total Hardness by 2340B, Total Recoverable	1670	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 17:00		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	132	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:37	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.019	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:32	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.24	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:31	7429-90-5	
Iron, Total Recoverable	0.23	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:31	7439-89-6	
Manganese, Total Recoverable	0.47	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:31	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:28	7429-90-5	
Cobalt, Dissolved	0.00055J	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:28	7440-48-4	
Iron, Dissolved	0.027J	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:28	7439-89-6	B
Manganese, Dissolved	0.44	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:28	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	428	mg/L	20.0	10.5	1		06/25/25 15:23		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 15:23		
Alkalinity, Total as CaCO3	428	mg/L	20.0	10.5	1		06/25/25 15:23		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	2410	mg/L	100	100	1		06/25/25 16:21		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.074J	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-MW-805-061725		Lab ID: 60477613010		Collected: 06/18/25 13:30		Received: 06/19/25 11:26		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.5	Std. Units	0.10	0.10	1		06/24/25 15:14		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.021J	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.18	mg/L	0.10	0.055	1		06/20/25 13:20	14797-55-8	
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 13:20	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	568	mg/L	100	52.7	100		07/09/25 20:16	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 20:05	16984-48-8	
Sulfate	911	mg/L	100	55.0	100		07/09/25 20:16	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.092J	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:46	7723-14-0	B
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/01/25 02:15	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/07/25 21:58		

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-DUP1-061725 Lab ID: 60477613011 Collected: 06/18/25 13:30 Received: 06/19/25 11:26 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.40	mg/L	0.10	0.033	1	06/24/25 13:30	07/07/25 17:04	7440-42-8	
Calcium, Total Recoverable	442	mg/L	0.20	0.045	1	06/24/25 13:30	07/07/25 17:04	7440-70-2	
Magnesium, Total Recoverable	120	mg/L	0.050	0.021	1	06/24/25 13:30	07/07/25 17:04	7439-95-4	
Potassium, Total Recoverable	1.3	mg/L	0.50	0.045	1	06/24/25 13:30	07/07/25 17:04	7440-09-7	
Sodium, Total Recoverable	82.1	mg/L	0.50	0.032	1	06/24/25 13:30	07/07/25 17:04	7440-23-5	
Total Hardness by 2340B, Total Recoverable	1600	mg/L	0.50	0.20	1	06/24/25 13:30	07/07/25 17:04		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	131	mg/L	0.050	0.021	1	06/23/25 15:49	07/07/25 14:40	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.018	mg/L	0.010	0.0018	1	06/23/25 13:14	07/07/25 13:34	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.23	mg/L	0.050	0.0082	1	06/24/25 13:30	06/30/25 17:34	7429-90-5	
Iron, Total Recoverable	0.22	mg/L	0.050	0.0044	1	06/24/25 13:30	06/30/25 17:34	7439-89-6	
Manganese, Total Recoverable	0.45	mg/L	0.0010	0.00052	1	06/24/25 13:30	06/30/25 17:34	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	06/23/25 15:49	06/30/25 18:31	7429-90-5	
Cobalt, Dissolved	0.00057J	mg/L	0.0010	0.00010	1	06/23/25 15:49	06/30/25 18:31	7440-48-4	
Iron, Dissolved	0.093	mg/L	0.050	0.0044	1	06/23/25 15:49	06/30/25 18:31	7439-89-6	B
Manganese, Dissolved	0.44	mg/L	0.0010	0.00052	1	06/23/25 15:49	06/30/25 18:31	7439-96-5	M0
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	427	mg/L	20.0	10.5	1		06/25/25 15:30		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		06/25/25 15:30		
Alkalinity, Total as CaCO3	427	mg/L	20.0	10.5	1		06/25/25 15:30		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	2340	mg/L	100	100	1		06/25/25 16:21		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.058J	mg/L	0.20	0.041	1		07/02/25 14:26	15438-31-0	H6

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ANALYTICAL RESULTS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Sample: LAC-DUP1-061725 Lab ID: 60477613011 Collected: 06/18/25 13:30 Received: 06/19/25 11:26 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	6.6	Std. Units	0.10	0.10	1		06/24/25 15:14		H1
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	0.034J	mg/L	0.050	0.016	1		06/23/25 14:30	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	0.17	mg/L	0.10	0.055	1		06/20/25 13:31	14797-55-8	H1
Nitrite as N	<0.035	mg/L	0.10	0.035	1		06/20/25 13:31	14797-65-0	H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	621	mg/L	100	52.7	100		07/09/25 20:38	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		07/09/25 20:27	16984-48-8	
Sulfate	996	mg/L	100	55.0	100		07/09/25 20:38	14808-79-8	
365.4 Total Phosphorus Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.36	mg/L	0.10	0.071	1	07/01/25 14:30	07/08/25 20:48	7723-14-0	B
5310C TOC Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	1.1	mg/L	1.0	0.54	1		07/02/25 16:48	7440-44-0	
5310C Dissolved Organic Carbon Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		07/07/25 22:18		

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939476	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3724833	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	<0.033	0.10	0.033	07/07/25 16:25	
Calcium	mg/L	<0.045	0.20	0.045	07/07/25 16:25	
Hardness, Total(SM 2340B)	mg/L	<0.20	0.50	0.20	07/07/25 16:25	
Magnesium	mg/L	<0.021	0.050	0.021	07/07/25 16:25	
Potassium	mg/L	<0.045	0.50	0.045	07/07/25 16:25	
Sodium	mg/L	0.058J	0.50	0.032	07/07/25 16:25	

LABORATORY CONTROL SAMPLE: 3724834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.93	93	85-115	
Calcium	mg/L	10	9.9	99	85-115	
Hardness, Total(SM 2340B)	mg/L	66.2	64.4	97	85-115	
Magnesium	mg/L	10	9.6	96	85-115	
Potassium	mg/L	10	9.8	98	85-115	
Sodium	mg/L	10	10.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724835 3724836

Parameter	Units	60477613001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
Boron	mg/L	0.29	1	1	1.2	1.2	95	96	70-130	1	20	
Calcium	mg/L	365	10	10	368	374	35	92	70-130	2	20	M1
Hardness, Total(SM 2340B)	mg/L	1620	66.2	66.2	1660	1680	59	94	70-130	1	20	
Magnesium	mg/L	173	10	10	180	182	73	95	70-130	1	20	
Potassium	mg/L	3.0	10	10	13.1	13.1	101	101	70-130	0	20	
Sodium	mg/L	140	10	10	149	150	91	106	70-130	1	20	

MATRIX SPIKE SAMPLE: 3724837

Parameter	Units	60477613010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.42	1	1.4	97	70-130	
Calcium	mg/L	459	10	469	96	70-130	
Hardness, Total(SM 2340B)	mg/L	1670	66.2	1730	100	70-130	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

MATRIX SPIKE SAMPLE:		3724837					
		60477613010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium	mg/L	126	10	136	102	70-130	
Potassium	mg/L	1.3	10	11.6	102	70-130	
Sodium	mg/L	85.1	10	95.7	105	70-130	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

QC Batch:	939407	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK: 3724663 Matrix: Water
Associated Lab Samples: 60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.021	0.050	0.021	07/07/25 13:47	

LABORATORY CONTROL SAMPLE: 3724664						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724665 3724666												
Parameter	Units	60477613002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	38.2	10	10	47.2	48.2	90	100	70-130	2	20	

MATRIX SPIKE SAMPLE:		3724667					
		60477613010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	mg/L	132	10	141	89	70-130	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL
Pace Project No.: 60477613

QC Batch:	939478	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613009, 60477613010, 60477613011		

METHOD BLANK: 3724838 Matrix: Water
Associated Lab Samples: 60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613009, 60477613010, 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	06/30/25 16:46	
Iron	mg/L	<0.0044	0.050	0.0044	06/30/25 16:46	
Manganese	mg/L	<0.00052	0.0010	0.00052	06/30/25 16:46	

LABORATORY CONTROL SAMPLE: 3724839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.98	98	85-115	
Iron	mg/L	1	0.98	98	85-115	
Manganese	mg/L	0.04	0.039	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724840 3724841

Parameter	Units	60477613002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	0.013J	1	1	1.1	1.1	106	107	70-130	0	20	
Iron	mg/L	0.14	1	1	1.0	1.0	90	90	70-130	0	20	
Manganese	mg/L	0.18	0.04	0.04	0.20	0.21	69	88	70-130	4	20 M1	

MATRIX SPIKE SAMPLE: 3724863

Parameter	Units	60477613011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	0.23	1	1.5	125	70-130	
Iron	mg/L	0.22	1	1.1	88	70-130	
Manganese	mg/L	0.45	0.04	0.49	117	70-130	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940524	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613008

METHOD BLANK: 3728817 Matrix: Water

Associated Lab Samples: 60477613008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	07/03/25 11:50	
Iron	mg/L	<0.0044	0.050	0.0044	07/03/25 11:50	
Manganese	mg/L	<0.00052	0.0010	0.00052	07/03/25 11:50	

LABORATORY CONTROL SAMPLE: 3728818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.99	99	85-115	
Iron	mg/L	1	0.97	97	85-115	
Manganese	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3728819 3728820

Parameter	Units	60477613008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	0.027J	1	1	1.1	1.1	104	108	70-130	4	20	
Iron	mg/L	0.51	1	1	1.4	1.5	93	97	70-130	3	20	
Manganese	mg/L	0.016	0.04	0.04	0.051	0.053	89	93	70-130	3	20	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939406	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK: 3724658

Matrix: Water

Associated Lab Samples: 60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	0.050	0.0082	06/30/25 17:43	
Cobalt, Dissolved	mg/L	<0.00010	0.0010	0.00010	06/30/25 17:43	
Iron, Dissolved	mg/L	0.013J	0.050	0.0044	06/30/25 17:43	
Manganese, Dissolved	mg/L	<0.00052	0.0010	0.00052	06/30/25 17:43	

LABORATORY CONTROL SAMPLE: 3724659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	103	85-115	
Cobalt, Dissolved	mg/L	0.04	0.040	101	85-115	
Iron, Dissolved	mg/L	1	1.0	102	85-115	
Manganese, Dissolved	mg/L	0.04	0.041	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724660 3724661

Parameter	Units	60477613001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.0082	1	1	1.3	1.3	128	130	70-130	1	20	
Cobalt, Dissolved	mg/L	<0.00010	0.04	0.04	0.043	0.043	107	106	70-130	1	20	
Iron, Dissolved	mg/L	<0.0044	1	1	0.84	0.83	83	83	70-130	0	20	
Manganese, Dissolved	mg/L	0.00064J	0.04	0.04	0.035	0.034	87	83	70-130	4	20	

MATRIX SPIKE SAMPLE: 3724662

Parameter	Units	60477613011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	1	1.3	125	70-130	
Cobalt, Dissolved	mg/L	0.00057J	0.04	0.042	104	70-130	
Iron, Dissolved	mg/L	0.093	1	0.92	83	70-130	
Manganese, Dissolved	mg/L	0.44	0.04	0.46	60	70-130 M0	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939434	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3724747	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.0018	0.010	0.0018	07/07/25 13:03	

LABORATORY CONTROL SAMPLE:	3724748					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3724749			3724750								
Parameter	Units	60477613003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.024	1	1	1.1	1.0	103	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939234	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613001, 60477613002, 60477613003

METHOD BLANK: 3723826 Matrix: Water

Associated Lab Samples: 60477613001, 60477613002, 60477613003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	06/19/25 21:18	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 21:18	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/19/25 21:18	

LABORATORY CONTROL SAMPLE: 3723827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	452	90	90-110	

SAMPLE DUPLICATE: 3723828

Parameter	Units	60477512007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	928	952	3	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	928	952	3	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	<10.5		10	

SAMPLE DUPLICATE: 3723829

Parameter	Units	60477595002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	229	224	2	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	229	224	2	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939783	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3725861	Matrix:	Water
Associated Lab Samples:	60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	06/25/25 14:00	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/25/25 14:00	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	06/25/25 14:00	

LABORATORY CONTROL SAMPLE:	3725862					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	452	90	90-110	

SAMPLE DUPLICATE:	3725863					
Parameter	Units	60477300004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	150	150	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	150	150	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

SAMPLE DUPLICATE:	3725864					
Parameter	Units	60477667002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	385	383	1	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	385	383	1	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939728	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3725617	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	5.0	06/25/25 16:20	

LABORATORY CONTROL SAMPLE: 3725618						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	988	99	80-120	

SAMPLE DUPLICATE: 3725619						
Parameter	Units	60477613001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2710	2690	1	10	

SAMPLE DUPLICATE: 3725620						
		60477613011	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Total Dissolved Solids	mg/L	2340	2370	1	10	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940058	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3726980	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	07/02/25 14:26	H6

LABORATORY CONTROL SAMPLE:	3726981					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.1	103	90-110	H6

SAMPLE DUPLICATE:	3726982					
Parameter	Units	60477613009 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	0.30	0.32	5	20	H6

SAMPLE DUPLICATE:	3726983					
Parameter	Units	60477667002 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	ND	<0.041		20	H6

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939511	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

SAMPLE DUPLICATE: 3724904

Parameter	Units	60477522011 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.9	4.9	0	5	H1

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939436	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3724755	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.016	0.050	0.016	06/23/25 14:30	

LABORATORY CONTROL SAMPLE: 3724756						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3724758								3724759			
Parameter	Units	60477714003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual				
Sulfide, Total	mg/L	0.24	0.5	0.5	0.74	0.73	99	99	75-125	0	20					

SAMPLE DUPLICATE: 3724757						
		60477714003	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Sulfide, Total	mg/L	0.24	0.24	0	20	

SAMPLE DUPLICATE: 3724760						
Parameter	Units	60477548002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.092	0.091	1	20	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch: 939248

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613009

METHOD BLANK: 3723895

Matrix: Water

Associated Lab Samples: 60477613009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.055	0.10	0.055	06/20/25 04:29	
Nitrite as N	mg/L	<0.035	0.10	0.035	06/20/25 04:29	

LABORATORY CONTROL SAMPLE: 3723896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	103	90-110	
Nitrite as N	mg/L	2	2.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723897 3723898

Parameter	Units	60477613009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.17	2	2	2.2	2.1	101	98	80-120	3	15	
Nitrite as N	mg/L	<0.035	2	2	2.0	2.0	101	98	80-120	3	15	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939263	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613002, 60477613005, 60477613007, 60477613008, 60477613010, 60477613011

METHOD BLANK: 3723966 Matrix: Water

Associated Lab Samples: 60477613002, 60477613005, 60477613007, 60477613008, 60477613010, 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.055	0.10	0.055	06/20/25 08:22	
Nitrite as N	mg/L	<0.035	0.10	0.035	06/20/25 08:22	

LABORATORY CONTROL SAMPLE: 3723967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	103	90-110	
Nitrite as N	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 3723968

Parameter	Units	60477613008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	<0.055	2	1.6	76	80-120	H1,M1
Nitrite as N	mg/L	<0.035	2	2.1	104	80-120	H1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3723969 3723970

Parameter	Units	60477572004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.96	2	2	2.4	2.4	72	70	80-120	2	15	H1,M1
Nitrite as N	mg/L		2	2	1.9	1.8	94	89	80-120	5	15	H1

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	939302	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613001, 60477613003, 60477613004, 60477613006

METHOD BLANK: 3724277 Matrix: Water

Associated Lab Samples: 60477613001, 60477613003, 60477613004, 60477613006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.055	0.10	0.055	06/20/25 14:41	
Nitrite as N	mg/L	<0.035	0.10	0.035	06/20/25 14:41	

LABORATORY CONTROL SAMPLE: 3724278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.1	104	90-110	
Nitrite as N	mg/L	2	2.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724279 3724280

Parameter	Units	60477667002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	1.1	2	2	2.7	2.6	82	77	80-120	3	15	M1
Nitrite as N	mg/L	ND	2	2	1.7	1.6	85	80	80-120	6	15	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940916	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK: 3730304

Matrix: Water

Associated Lab Samples: 60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	<0.53	1.0	0.53	07/09/25 09:52	
Fluoride	mg/L	<0.12	0.20	0.12	07/09/25 09:52	
Sulfate	mg/L	<0.55	1.0	0.55	07/09/25 09:52	

LABORATORY CONTROL SAMPLE: 3730305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	104	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	5	5.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3730306 3730307

Parameter	Units	60477512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.3	50	50	88.2	87.8	96	95	80-120	0	15	
Fluoride	mg/L	0.22	2.5	2.5	2.3	2.4	85	88	80-120	3	15	
Sulfate	mg/L	69.9	50	50	121	120	102	101	80-120	0	15	

MATRIX SPIKE SAMPLE: 3730308

Parameter	Units	60477613001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	33.5	25	59.1	102	80-120	
Fluoride	mg/L	<0.12	2.5	2.0	80	80-120	
Sulfate	mg/L	1680	500	2240	113	80-120 E	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940403	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613001

METHOD BLANK: 3728420 Matrix: Water

Associated Lab Samples: 60477613001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	0.090J	0.10	0.071	07/08/25 21:30	

LABORATORY CONTROL SAMPLE: 3728421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.3	106	80-120	

MATRIX SPIKE SAMPLE: 3728422

Parameter	Units	60477396001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.56	5	6.2	114	80-120	

MATRIX SPIKE SAMPLE: 3728424

Parameter	Units	60477512007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.17	5	5.4	105	80-120	

SAMPLE DUPLICATE: 3728423

Parameter	Units	60477396002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.40	0.50	22	10	D6

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940404	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3728425	Matrix:	Water
Associated Lab Samples:	60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	0.093J	0.10	0.071	07/08/25 20:05	

LABORATORY CONTROL SAMPLE:	3728426					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	6.0	120	80-120	

MATRIX SPIKE SAMPLE:	3728427						
		60477613002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.36	5	6.0	114	80-120	

MATRIX SPIKE SAMPLE:		3728429					
		60477636001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	38.8	25	63.5	99	80-120	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940349	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010		

METHOD BLANK:	3728232	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	06/30/25 20:44	

LABORATORY CONTROL SAMPLE:	3728233					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.0	99	80-120	

MATRIX SPIKE SAMPLE:		3728234					
		60477512008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Total Organic Carbon	mg/L	<0.54	5	3.2	54	80-120	M1

SAMPLE DUPLICATE:	3728235					
Parameter	Units	60477512008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	<0.54	<0.54		25	

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940584	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477613011

METHOD BLANK: 3729118 Matrix: Water

Associated Lab Samples: 60477613011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	07/02/25 15:48	

LABORATORY CONTROL SAMPLE: 3729119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.8	116	80-120	

MATRIX SPIKE SAMPLE: 3729120

Parameter	Units	60477576002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.8	25	36.7	120	80-120	

SAMPLE DUPLICATE: 3729121

Parameter	Units	60477634003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	7.5	7.3	2	25	D3

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QUALITY CONTROL DATA

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

QC Batch:	940707	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

METHOD BLANK:	3729641	Matrix:	Water
Associated Lab Samples:	60477613001, 60477613002, 60477613003, 60477613004, 60477613005, 60477613006, 60477613007, 60477613008, 60477613009, 60477613010, 60477613011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.54	1.0	0.54	07/03/25 14:47	

LABORATORY CONTROL SAMPLE: 3729642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.8	117	80-120	

MATRIX SPIKE SAMPLE: 3729643

Parameter	Units	60477512001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.4	5	8.0	111	80-120	

SAMPLE DUPLICATE: 3729644

Parameter	Units	60477512003 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	6.2	9.5	42	25 D6	

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QUALIFIERS

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477613001	LAC-MW-13-061825	EPA 200.7	939476	EPA 200.7	939740
60477613002	LAC-MW-14R-061825	EPA 200.7	939476	EPA 200.7	939740
60477613003	LAC-MW-15-061825	EPA 200.7	939476	EPA 200.7	939740
60477613004	LAC-MW-601-061825	EPA 200.7	939476	EPA 200.7	939740
60477613005	LAC-MW-602-061825	EPA 200.7	939476	EPA 200.7	939740
60477613006	LAC-MW-708-061825	EPA 200.7	939476	EPA 200.7	939740
60477613007	LAC-MW-801-061825	EPA 200.7	939476	EPA 200.7	939740
60477613008	LAC-MW-802-061825	EPA 200.7	939476	EPA 200.7	939740
60477613009	LAC-MW804-061825	EPA 200.7	939476	EPA 200.7	939740
60477613010	LAC-MW-805-061725	EPA 200.7	939476	EPA 200.7	939740
60477613011	LAC-DUP1-061725	EPA 200.7	939476	EPA 200.7	939740
60477613001	LAC-MW-13-061825	EPA 200.7	939407	EPA 200.7	939557
60477613002	LAC-MW-14R-061825	EPA 200.7	939407	EPA 200.7	939557
60477613003	LAC-MW-15-061825	EPA 200.7	939407	EPA 200.7	939557
60477613004	LAC-MW-601-061825	EPA 200.7	939407	EPA 200.7	939557
60477613005	LAC-MW-602-061825	EPA 200.7	939407	EPA 200.7	939557
60477613006	LAC-MW-708-061825	EPA 200.7	939407	EPA 200.7	939557
60477613007	LAC-MW-801-061825	EPA 200.7	939407	EPA 200.7	939557
60477613008	LAC-MW-802-061825	EPA 200.7	939407	EPA 200.7	939557
60477613009	LAC-MW804-061825	EPA 200.7	939407	EPA 200.7	939557
60477613010	LAC-MW-805-061725	EPA 200.7	939407	EPA 200.7	939557
60477613011	LAC-DUP1-061725	EPA 200.7	939407	EPA 200.7	939557
60477613001	LAC-MW-13-061825	EPA 3010	939434	EPA 6010	939528
60477613002	LAC-MW-14R-061825	EPA 3010	939434	EPA 6010	939528
60477613003	LAC-MW-15-061825	EPA 3010	939434	EPA 6010	939528
60477613004	LAC-MW-601-061825	EPA 3010	939434	EPA 6010	939528
60477613005	LAC-MW-602-061825	EPA 3010	939434	EPA 6010	939528
60477613006	LAC-MW-708-061825	EPA 3010	939434	EPA 6010	939528
60477613007	LAC-MW-801-061825	EPA 3010	939434	EPA 6010	939528
60477613008	LAC-MW-802-061825	EPA 3010	939434	EPA 6010	939528
60477613009	LAC-MW804-061825	EPA 3010	939434	EPA 6010	939528
60477613010	LAC-MW-805-061725	EPA 3010	939434	EPA 6010	939528
60477613011	LAC-DUP1-061725	EPA 3010	939434	EPA 6010	939528
60477613001	LAC-MW-13-061825	EPA 200.8	939478	EPA 200.8	939739
60477613002	LAC-MW-14R-061825	EPA 200.8	939478	EPA 200.8	939739
60477613003	LAC-MW-15-061825	EPA 200.8	939478	EPA 200.8	939739
60477613004	LAC-MW-601-061825	EPA 200.8	939478	EPA 200.8	939739
60477613005	LAC-MW-602-061825	EPA 200.8	939478	EPA 200.8	939739
60477613006	LAC-MW-708-061825	EPA 200.8	939478	EPA 200.8	939739
60477613007	LAC-MW-801-061825	EPA 200.8	939478	EPA 200.8	939739
60477613008	LAC-MW-802-061825	EPA 200.8	940524	EPA 200.8	940593
60477613009	LAC-MW804-061825	EPA 200.8	939478	EPA 200.8	939739
60477613010	LAC-MW-805-061725	EPA 200.8	939478	EPA 200.8	939739
60477613011	LAC-DUP1-061725	EPA 200.8	939478	EPA 200.8	939739
60477613001	LAC-MW-13-061825	EPA 200.8	939406	EPA 200.8	939555
60477613002	LAC-MW-14R-061825	EPA 200.8	939406	EPA 200.8	939555

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477613003	LAC-MW-15-061825	EPA 200.8	939406	EPA 200.8	939555
60477613004	LAC-MW-601-061825	EPA 200.8	939406	EPA 200.8	939555
60477613005	LAC-MW-602-061825	EPA 200.8	939406	EPA 200.8	939555
60477613006	LAC-MW-708-061825	EPA 200.8	939406	EPA 200.8	939555
60477613007	LAC-MW-801-061825	EPA 200.8	939406	EPA 200.8	939555
60477613008	LAC-MW-802-061825	EPA 200.8	939406	EPA 200.8	939555
60477613009	LAC-MW804-061825	EPA 200.8	939406	EPA 200.8	939555
60477613010	LAC-MW-805-061725	EPA 200.8	939406	EPA 200.8	939555
60477613011	LAC-DUP1-061725	EPA 200.8	939406	EPA 200.8	939555
60477613001	LAC-MW-13-061825	SM 2320B	939234		
60477613002	LAC-MW-14R-061825	SM 2320B	939234		
60477613003	LAC-MW-15-061825	SM 2320B	939234		
60477613004	LAC-MW-601-061825	SM 2320B	939783		
60477613005	LAC-MW-602-061825	SM 2320B	939783		
60477613006	LAC-MW-708-061825	SM 2320B	939783		
60477613007	LAC-MW-801-061825	SM 2320B	939783		
60477613008	LAC-MW-802-061825	SM 2320B	939783		
60477613009	LAC-MW804-061825	SM 2320B	939783		
60477613010	LAC-MW-805-061725	SM 2320B	939783		
60477613011	LAC-DUP1-061725	SM 2320B	939783		
60477613001	LAC-MW-13-061825	SM 2540C	939728		
60477613002	LAC-MW-14R-061825	SM 2540C	939728		
60477613003	LAC-MW-15-061825	SM 2540C	939728		
60477613004	LAC-MW-601-061825	SM 2540C	939728		
60477613005	LAC-MW-602-061825	SM 2540C	939728		
60477613006	LAC-MW-708-061825	SM 2540C	939728		
60477613007	LAC-MW-801-061825	SM 2540C	939728		
60477613008	LAC-MW-802-061825	SM 2540C	939728		
60477613009	LAC-MW804-061825	SM 2540C	939728		
60477613010	LAC-MW-805-061725	SM 2540C	939728		
60477613011	LAC-DUP1-061725	SM 2540C	939728		
60477613001	LAC-MW-13-061825	SM 3500-Fe B#4	940058		
60477613002	LAC-MW-14R-061825	SM 3500-Fe B#4	940058		
60477613003	LAC-MW-15-061825	SM 3500-Fe B#4	940058		
60477613004	LAC-MW-601-061825	SM 3500-Fe B#4	940058		
60477613005	LAC-MW-602-061825	SM 3500-Fe B#4	940058		
60477613006	LAC-MW-708-061825	SM 3500-Fe B#4	940058		
60477613007	LAC-MW-801-061825	SM 3500-Fe B#4	940058		
60477613008	LAC-MW-802-061825	SM 3500-Fe B#4	940058		
60477613009	LAC-MW804-061825	SM 3500-Fe B#4	940058		
60477613010	LAC-MW-805-061725	SM 3500-Fe B#4	940058		
60477613011	LAC-DUP1-061725	SM 3500-Fe B#4	940058		
60477613001	LAC-MW-13-061825	SM 4500-H+B	939511		
60477613002	LAC-MW-14R-061825	SM 4500-H+B	939511		
60477613003	LAC-MW-15-061825	SM 4500-H+B	939511		
60477613004	LAC-MW-601-061825	SM 4500-H+B	939511		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477613005	LAC-MW-602-061825	SM 4500-H+B	939511		
60477613006	LAC-MW-708-061825	SM 4500-H+B	939511		
60477613007	LAC-MW-801-061825	SM 4500-H+B	939511		
60477613008	LAC-MW-802-061825	SM 4500-H+B	939511		
60477613009	LAC-MW804-061825	SM 4500-H+B	939511		
60477613010	LAC-MW-805-061725	SM 4500-H+B	939511		
60477613011	LAC-DUP1-061725	SM 4500-H+B	939511		
60477613001	LAC-MW-13-061825	SM 4500-S-2 D	939436		
60477613002	LAC-MW-14R-061825	SM 4500-S-2 D	939436		
60477613003	LAC-MW-15-061825	SM 4500-S-2 D	939436		
60477613004	LAC-MW-601-061825	SM 4500-S-2 D	939436		
60477613005	LAC-MW-602-061825	SM 4500-S-2 D	939436		
60477613006	LAC-MW-708-061825	SM 4500-S-2 D	939436		
60477613007	LAC-MW-801-061825	SM 4500-S-2 D	939436		
60477613008	LAC-MW-802-061825	SM 4500-S-2 D	939436		
60477613009	LAC-MW804-061825	SM 4500-S-2 D	939436		
60477613010	LAC-MW-805-061725	SM 4500-S-2 D	939436		
60477613011	LAC-DUP1-061725	SM 4500-S-2 D	939436		
60477613001	LAC-MW-13-061825	EPA 300.0	939302		
60477613002	LAC-MW-14R-061825	EPA 300.0	939263		
60477613003	LAC-MW-15-061825	EPA 300.0	939302		
60477613004	LAC-MW-601-061825	EPA 300.0	939302		
60477613005	LAC-MW-602-061825	EPA 300.0	939263		
60477613006	LAC-MW-708-061825	EPA 300.0	939302		
60477613007	LAC-MW-801-061825	EPA 300.0	939263		
60477613008	LAC-MW-802-061825	EPA 300.0	939263		
60477613009	LAC-MW804-061825	EPA 300.0	939248		
60477613010	LAC-MW-805-061725	EPA 300.0	939263		
60477613011	LAC-DUP1-061725	EPA 300.0	939263		
60477613001	LAC-MW-13-061825	EPA 300.0	940916		
60477613002	LAC-MW-14R-061825	EPA 300.0	940916		
60477613003	LAC-MW-15-061825	EPA 300.0	940916		
60477613004	LAC-MW-601-061825	EPA 300.0	940916		
60477613005	LAC-MW-602-061825	EPA 300.0	940916		
60477613006	LAC-MW-708-061825	EPA 300.0	940916		
60477613007	LAC-MW-801-061825	EPA 300.0	940916		
60477613008	LAC-MW-802-061825	EPA 300.0	940916		
60477613009	LAC-MW804-061825	EPA 300.0	940916		
60477613010	LAC-MW-805-061725	EPA 300.0	940916		
60477613011	LAC-DUP1-061725	EPA 300.0	940916		
60477613001	LAC-MW-13-061825	EPA 365.4	940403	EPA 365.4	941230
60477613002	LAC-MW-14R-061825	EPA 365.4	940404	EPA 365.4	941229
60477613003	LAC-MW-15-061825	EPA 365.4	940404	EPA 365.4	941229

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LACYGNE CCR WELLS - ADDITIONAL

Pace Project No.: 60477613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477613004	LAC-MW-601-061825	EPA 365.4	940404	EPA 365.4	941229
60477613005	LAC-MW-602-061825	EPA 365.4	940404	EPA 365.4	941229
60477613006	LAC-MW-708-061825	EPA 365.4	940404	EPA 365.4	941229
60477613007	LAC-MW-801-061825	EPA 365.4	940404	EPA 365.4	941229
60477613008	LAC-MW-802-061825	EPA 365.4	940404	EPA 365.4	941229
60477613009	LAC-MW804-061825	EPA 365.4	940404	EPA 365.4	941229
60477613010	LAC-MW-805-061725	EPA 365.4	940404	EPA 365.4	941229
60477613011	LAC-DUP1-061725	EPA 365.4	940404	EPA 365.4	941229
60477613001	LAC-MW-13-061825	SM 5310C	940349		
60477613002	LAC-MW-14R-061825	SM 5310C	940349		
60477613003	LAC-MW-15-061825	SM 5310C	940349		
60477613004	LAC-MW-601-061825	SM 5310C	940349		
60477613005	LAC-MW-602-061825	SM 5310C	940349		
60477613006	LAC-MW-708-061825	SM 5310C	940349		
60477613007	LAC-MW-801-061825	SM 5310C	940349		
60477613008	LAC-MW-802-061825	SM 5310C	940349		
60477613009	LAC-MW804-061825	SM 5310C	940349		
60477613010	LAC-MW-805-061725	SM 5310C	940349		
60477613011	LAC-DUP1-061725	SM 5310C	940584		
60477613001	LAC-MW-13-061825	SM 5310C	940707		
60477613002	LAC-MW-14R-061825	SM 5310C	940707		
60477613003	LAC-MW-15-061825	SM 5310C	940707		
60477613004	LAC-MW-601-061825	SM 5310C	940707		
60477613005	LAC-MW-602-061825	SM 5310C	940707		
60477613006	LAC-MW-708-061825	SM 5310C	940707		
60477613007	LAC-MW-801-061825	SM 5310C	940707		
60477613008	LAC-MW-802-061825	SM 5310C	940707		
60477613009	LAC-MW804-061825	SM 5310C	940707		
60477613010	LAC-MW-805-061725	SM 5310C	940707		
60477613011	LAC-DUP1-061725	SM 5310C	940707		

REPORT OF LABORATORY ANALYSIS

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WO#: 60477613



DC#_Title: ENV-FRM-LENE-0009_Sample

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name:

Energy H&H

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☒ Bubble Bags ☐ Foam ☐ None ☐ Other ☐

Thermometer Used: 1301 Type of Ice: Wet ☒ Blue ☐ None ☐

Cooler Temperature (°C): As-read 3.4 Corr. Factor +0.1 Corrected 3.5

Date and initials of person examining contents:

AF 6/19

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	<u>Cooler 2-3.8</u>
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	<u>4-3.7</u>
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>NOX</u>
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☒ No ☐ N/A	<u>1 vial arrived broken</u>
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	<u>from MW14R</u>
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☒ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☒ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Project Manager Review:

Date:

 Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here  60477613 Scan QR Code for instructions										
Company Name: Evergy_Haley & Aldrich			Contact/Report To: Jake Humphrey																			
Street Address: 818 S Kansas Avenue Topeka, KS 66612			Phone #: (913)634-0605																			
			E-Mail: jake.humphrey@evergy.com																			
			Cc E-Mail: skaney@haleyaldrich.com																			
Customer Project #:			Invoice To: Lacygne-Evergy Payable																			
Project Name: La Cygne CCR Wells -Additional Analyses			Invoice E-Mail: apinvoicing@evergy.com																			
Site Collection Info/Facility ID (as applicable): Evergy La Cygne Generating Station			Purchase Order # (if applicable): 3000222251																			
Quote #:																						
Time Zone Collected: [] AK [] PT [] MT [☒ CT [] ET			County / State origin of sample(s): Kansas																			
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other			Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [☒ No																			
			Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other			DW PWSID # or WW Permit # as applicable: NA																
			Date Results Requested:			Field Filtered (if applicable): [☒] Yes [] No Analysis: Metals, Dissolved; DOC																
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																						
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine													
				Date	Time	Date	Time	Cont.	Results	Units												
LaC-MW-13-061825		GW	GRAB	-	-	6/18/2025	1425	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-14R-061825		GW	GRAB	-	-	6/18/2025	1225	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-15-061825		GW	GRAB	-	-	6/18/2025	1635	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-601-061825		GW	GRAB	-	-	6/18/2025	1730	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-602-061825		GW	GRAB	-	-	6/18/2025	1325	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-708-061825		GW	GRAB	-	-	6/18/2025	1410	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-801-061825		GW	GRAB	-	-	6/18/2025	1240	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-802-061825		GW	GRAB	-	-	6/18/2025	1130	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-804-061825		GW	GRAB	-	-	6/18/2025	925	12	-	-	X	X	X	X	X	X	X	X	X	X		
LaC-MW-805-061725		GW	GRAB	-	-	6/17/2025	1330	12	-	-	X	X	X	X	X	X	X	X	X	X		
Additional Instructions from Pace*: *Total Metals: 200.7 - B, Ca, Mg, Na, K, Hardness / 200.8 - Al, Fe, Mn, **Dissolved Metals: 200.7- Mg / 6010 - Li / 200.8 - Co, Fe , Al, Mn Anions: Cl, SO4										Collected By: (Printed Name) Jason R. Franks Signature: 												
Relinquished by/Company: (Signature)  / SCS										Customer Remarks / Special Conditions / Possible Hazards:												
Relinquished by/Company: (Signature)										# Coolers: Thermometer ID: T301 Correction Factor (°C): +0.1 Obs. Temp. (°C): 3-4 Corrected Temp. (°C): 3-5 On Ice:												
Relinquished by/Company: (Signature)										Tracking Number:												
Relinquished by/Company: (Signature)										Delivered by: [] In- Person [] Courier												
Relinquished by/Company: (Signature)										[] FedEx [] UPS [] Other												
Relinquished by/Company: (Signature)										Page: 1 of 2												

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

Client:

Energy H&A

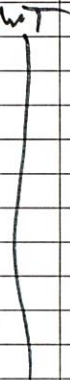
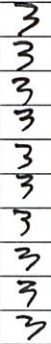
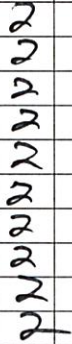
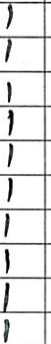
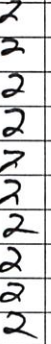
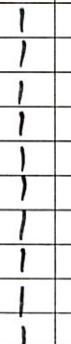
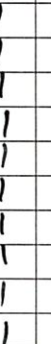
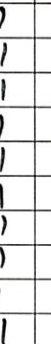
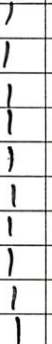
Profile/EZ #

EZ 3266665

Site:

La Cygne CLR wells-Additional

Notes

COC Line Item	Matrix	VC9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other				
1																																		
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio, clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60477613

2

Client: Energy

Profile/EZ # _____

Site: _____

Notes _____

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1			3										2							1	2		1	1	1		1					
2																																
3																																
4																																
5																																
6																																
7																																
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Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60477613



July 16, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in cursive script that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477684001	LAC-MW-703-061925	Water	06/19/25 16:45	06/20/25 11:08
60477684002	LAC-MW-704-061925	Water	06/19/25 15:15	06/20/25 11:08
60477684003	LAC-MW-705-061925	Water	06/19/25 13:20	06/20/25 11:08
60477684004	LAC-MW-706-061925	Water	06/19/25 12:15	06/20/25 11:08
60477684005	LAC-MW-707B-061925	Water	06/19/25 10:10	06/20/25 11:08
60477684006	LAC-MW-803-061925	Water	06/19/25 10:25	06/20/25 11:08
60477684007	LAC-TW-1-061925	Water	06/19/25 11:15	06/20/25 11:08

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477684001	LAC-MW-703-061925	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477684002	LAC-MW-704-061925	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477684003	LAC-MW-705-061925	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477684004	LAC-MW-706-061925	EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477684005	LAC-MW-707B-061925	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477684006	LAC-MW-803-061925	SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
60477684007	LAC-TW-1-061925	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Date: July 16, 2025

300.0 NO₂NO₃ analysis was conducted beyond the recommended hold time because reanalysis was necessary. The initial analysis could not be reported due to a missing LCS.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939618

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3725232)
- Sodium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 200.8
Description: 200.8 MET ICPMS, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939406

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477613001,60477613011

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 3724662)
- Manganese, Dissolved

QC Batch: 939420

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724708)
 - Aluminum, Dissolved
 - Manganese, Dissolved
- MSD (Lab ID: 3724709)
 - Aluminum, Dissolved
 - Manganese, Dissolved

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Method: EPA 200.8

Description: 200.8 MET ICPMS, Dissolved

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 2540C
Description: 2540C Total Dissolved Solids
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-MW-703-061925 (Lab ID: 60477684001)
- LAC-MW-704-061925 (Lab ID: 60477684002)
- LAC-MW-705-061925 (Lab ID: 60477684003)
- LAC-MW-706-061925 (Lab ID: 60477684004)
- LAC-MW-707B-061925 (Lab ID: 60477684005)
- LAC-MW-803-061925 (Lab ID: 60477684006)
- LAC-TW-1-061925 (Lab ID: 60477684007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 4500-H+B
Description: 4500H+ pH, Electrometric
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-703-061925 (Lab ID: 60477684001)
- LAC-MW-704-061925 (Lab ID: 60477684002)
- LAC-MW-705-061925 (Lab ID: 60477684003)
- LAC-MW-706-061925 (Lab ID: 60477684004)
- LAC-TW-1-061925 (Lab ID: 60477684007)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-MW-707B-061925 (Lab ID: 60477684005)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 4500-S-2 D
Description: 4500S2D Sulfide, Total
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939821

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477635002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3726015)
 - Sulfide, Total
- MSD (Lab ID: 3726016)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 300.0
Description: 300.0 IC Anions
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-703-061925 (Lab ID: 60477684001)
- LAC-MW-704-061925 (Lab ID: 60477684002)
- LAC-MW-705-061925 (Lab ID: 60477684003)
- LAC-MW-706-061925 (Lab ID: 60477684004)
- LAC-MW-707B-061925 (Lab ID: 60477684005)
- LAC-TW-1-061925 (Lab ID: 60477684007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939361

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724499)
 - Nitrate as N
- MSD (Lab ID: 3724500)
 - Nitrate as N

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: EPA 365.4
Description: 365.4 Total Phosphorus
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

7 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 940584

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- DUP (Lab ID: 3729121)
 - Total Organic Carbon
- LAC-MW-707B-061925 (Lab ID: 60477684005)
 - Total Organic Carbon

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

6 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 940708

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3729647)
- Dissolved Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940707

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3729644)
- Dissolved Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-703-061925		Lab ID: 60477684001	Collected: 06/19/25 16:45	Received: 06/20/25 11:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	0.96	mg/L	0.10	1	06/24/25 13:52	07/07/25 20:00	7440-42-8	
Calcium, Total Recoverable	43.8	mg/L	0.20	1	06/24/25 13:52	07/07/25 20:00	7440-70-2	
Magnesium, Total Recoverable	17.4	mg/L	0.050	1	06/24/25 13:52	07/07/25 20:00	7439-95-4	
Potassium, Total Recoverable	3.5	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:00	7440-09-7	
Sodium, Total Recoverable	229	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:00	7440-23-5	M1
Total Hardness by 2340B, Total Recoverable	181	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:00		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	18.6	mg/L	0.050	1	06/23/25 15:49	07/07/25 14:42	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.040	mg/L	0.010	1	06/23/25 13:14	07/07/25 13:36	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:15	7429-90-5	
Iron, Total Recoverable	1.6	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:15	7439-89-6	
Manganese, Total Recoverable	0.50	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:15	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:40	7429-90-5	
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:40	7440-48-4	
Iron, Dissolved	1.3	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:40	7439-89-6	
Manganese, Dissolved	0.41	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:40	7439-96-5	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 12:42	7439-97-6	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	605	mg/L	20.0	1		06/25/25 18:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:12		
Alkalinity, Total as CaCO3	605	mg/L	20.0	1		06/25/25 18:12		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	835	mg/L	13.3	1		06/26/25 16:21		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-703-061925		Lab ID: 60477684001		Collected: 06/19/25 16:45		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	2.4	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.3	Std. Units	0.10	1		06/24/25 15:16		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	<0.10	mg/L	0.10	1		06/26/25 03:57	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		06/26/25 03:57	14797-65-0	H1	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	35.8	mg/L	10.0	10		07/10/25 10:35	16887-00-6		
Fluoride	0.30	mg/L	0.20	1		07/10/25 09:56	16984-48-8		
Sulfate	70.4	mg/L	10.0	10		07/10/25 10:35	14808-79-8		
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.20	mg/L	0.10	1	07/01/25 14:30	07/08/25 20:57	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	2.0	mg/L	1.0	1		07/02/25 18:33	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	2.5	mg/L	1.0	1		07/07/25 22:37			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-704-061925		Lab ID: 60477684002	Collected: 06/19/25 15:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.9	mg/L	0.10	1	06/24/25 13:52	07/07/25 20:05	7440-42-8	
Calcium, Total Recoverable	20.7	mg/L	0.20	1	06/24/25 13:52	07/07/25 20:05	7440-70-2	
Magnesium, Total Recoverable	14.5	mg/L	0.050	1	06/24/25 13:52	07/07/25 20:05	7439-95-4	
Potassium, Total Recoverable	5.4	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:05	7440-09-7	
Sodium, Total Recoverable	412	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:05	7440-23-5	
Total Hardness by 2340B, Total Recoverable	112	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:05		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	16.0	mg/L	0.050	1	06/23/25 15:49	07/07/25 14:44	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.10	mg/L	0.010	1	06/23/25 13:14	07/07/25 13:38	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.061	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:21	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:21	7439-89-6	
Manganese, Total Recoverable	0.0094	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:21	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:43	7429-90-5	
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:43	7440-48-4	
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:43	7439-89-6	
Manganese, Dissolved	0.014	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:43	7439-96-5	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 12:44	7439-97-6	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	796	mg/L	20.0	1		06/25/25 18:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:19		
Alkalinity, Total as CaCO3	796	mg/L	20.0	1		06/25/25 18:19		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1330	mg/L	40.0	1		06/26/25 16:21		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-704-061925		Lab ID: 60477684002		Collected: 06/19/25 15:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1			07/02/25 14:26	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	1			06/24/25 15:16		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1			06/26/25 14:49	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.88	mg/L	0.10	1			06/26/25 03:45	14797-55-8	H1
Nitrite as N	<0.10	mg/L	0.10	1			06/26/25 03:45	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	101	mg/L	50.0	50			07/10/25 11:27	16887-00-6	
Fluoride	0.25	mg/L	0.20	1			07/10/25 11:14	16984-48-8	
Sulfate	170	mg/L	50.0	50			07/10/25 11:27	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1		07/01/25 14:30	07/08/25 21:00	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1			07/02/25 18:48	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			07/07/25 22:57		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-705-061925		Lab ID: 60477684003		Collected: 06/19/25 13:20		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.9	mg/L	0.10	1	06/24/25 13:52	07/07/25 20:07	7440-42-8		
Calcium, Total Recoverable	26.8	mg/L	0.20	1	06/24/25 13:52	07/07/25 20:07	7440-70-2		
Magnesium, Total Recoverable	27.2	mg/L	0.050	1	06/24/25 13:52	07/07/25 20:07	7439-95-4		
Potassium, Total Recoverable	6.4	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:07	7440-09-7		
Sodium, Total Recoverable	301	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:07	7440-23-5		
Total Hardness by 2340B, Total Recoverable	179	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:07			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	30.5	mg/L	0.050	1	06/23/25 15:49	07/07/25 14:46	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.12	mg/L	0.010	1	06/23/25 13:14	07/07/25 13:40	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:24	7429-90-5		
Iron, Total Recoverable	0.087	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:24	7439-89-6		
Manganese, Total Recoverable	0.014	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:24	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:45	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:45	7440-48-4		
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 15:49	06/30/25 18:45	7439-89-6		
Manganese, Dissolved	0.010	mg/L	0.0010	1	06/23/25 15:49	06/30/25 18:45	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 12:51	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	676	mg/L	20.0	1		06/25/25 18:27			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:27			
Alkalinity, Total as CaCO3	676	mg/L	20.0	1		06/25/25 18:27			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1040	mg/L	20.0	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-705-061925		Lab ID: 60477684003		Collected: 06/19/25 13:20		Received: 06/20/25 11:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1			07/02/25 14:26	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	1			06/24/25 15:16		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1			06/26/25 14:49	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1			06/26/25 03:33	14797-55-8	H1
Nitrite as N	<0.10	mg/L	0.10	1			06/26/25 03:33	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	151	mg/L	10.0	10			07/10/25 12:19	16887-00-6	CL
Fluoride	0.35	mg/L	0.20	1			07/10/25 12:06	16984-48-8	CL
Sulfate	40.0	mg/L	10.0	10			07/10/25 12:19	14808-79-8	CL
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1		07/01/25 14:30	07/08/25 21:02	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1			07/02/25 19:02	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			07/07/25 23:17		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-706-061925		Lab ID: 60477684004		Collected: 06/19/25 12:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.9	mg/L	0.10	1	06/24/25 13:52	07/07/25 20:09	7440-42-8		
Calcium, Total Recoverable	22.1	mg/L	0.20	1	06/24/25 13:52	07/07/25 20:09	7440-70-2		
Magnesium, Total Recoverable	17.6	mg/L	0.050	1	06/24/25 13:52	07/07/25 20:09	7439-95-4		
Potassium, Total Recoverable	6.2	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:09	7440-09-7		
Sodium, Total Recoverable	414	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:09	7440-23-5		
Total Hardness by 2340B, Total Recoverable	127	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:09			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	19.5	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:13	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.13	mg/L	0.010	1	06/23/25 13:14	07/07/25 14:14	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.22	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:27	7429-90-5		
Iron, Total Recoverable	0.26	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:27	7439-89-6		
Manganese, Total Recoverable	0.022	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:27	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:02	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:02	7440-48-4		
Iron, Dissolved	0.053	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:02	7439-89-6		
Manganese, Dissolved	0.016	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:02	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 12:56	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	772	mg/L	20.0	1		06/25/25 18:35			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:35			
Alkalinity, Total as CaCO3	772	mg/L	20.0	1		06/25/25 18:35			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1340	mg/L	40.0	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-706-061925		Lab ID: 60477684004		Collected: 06/19/25 12:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.33	mg/L	0.20	1			07/02/25 14:26	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1			06/24/25 15:16		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1			06/26/25 14:49	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.15	mg/L	0.10	1			06/26/25 03:22	14797-55-8	H1
Nitrite as N	<0.10	mg/L	0.10	1			06/26/25 03:22	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	316	mg/L	100	100			07/10/25 12:58	16887-00-6	CL
Fluoride	0.26	mg/L	0.20	1			07/10/25 12:45	16984-48-8	CL
Sulfate	5.9	mg/L	1.0	1			07/10/25 12:45	14808-79-8	CL
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1		07/01/25 14:30	07/08/25 21:19	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1			07/02/25 19:17	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			07/08/25 00:15		M1

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-707B-061925		Lab ID: 60477684005		Collected: 06/19/25 10:10		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.6	mg/L	0.10	1	06/24/25 13:52	07/07/25 20:11	7440-42-8		
Calcium, Total Recoverable	341	mg/L	0.20	1	06/24/25 13:52	07/07/25 20:11	7440-70-2		
Magnesium, Total Recoverable	770	mg/L	0.25	5	06/24/25 13:52	07/08/25 16:31	7439-95-4		
Potassium, Total Recoverable	17.2	mg/L	0.50	1	06/24/25 13:52	07/07/25 20:11	7440-09-7		
Sodium, Total Recoverable	1080	mg/L	2.5	5	06/24/25 13:52	07/08/25 16:31	7440-23-5		
Total Hardness by 2340B, Total Recoverable	4020	mg/L	2.5	5	06/24/25 13:52	07/08/25 16:31			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	673	mg/L	0.10	2	06/23/25 16:31	07/10/25 12:46	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	1.2	mg/L	0.010	1	06/23/25 13:14	07/07/25 14:16	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.57	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:33	7429-90-5		
Iron, Total Recoverable	0.58	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:33	7439-89-6		
Manganese, Total Recoverable	2.8	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:33	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 09:51	7429-90-5	M1	
Cobalt, Dissolved	0.0065	mg/L	0.0020	2	06/23/25 16:31	07/02/25 10:32	7440-48-4		
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 09:51	7439-89-6		
Manganese, Dissolved	1.2	mg/L	0.0020	2	06/23/25 16:31	07/02/25 10:32	7439-96-5	M1	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 12:58	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	797	mg/L	20.0	1		06/25/25 18:42			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:42			
Alkalinity, Total as CaCO3	797	mg/L	20.0	1		06/25/25 18:42			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	9150	mg/L	250	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-707B-061925		Lab ID: 60477684005		Collected: 06/19/25 10:10		Received: 06/20/25 11:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.26	mg/L	0.20	1			07/02/25 14:26	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.0	Std. Units	0.10	1			06/24/25 15:17		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1			06/26/25 14:49	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.14	mg/L	0.10	1			06/26/25 02:34	14797-55-8	H1,M1
Nitrite as N	<0.10	mg/L	0.10	1			06/26/25 02:34	14797-65-0	H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	127	mg/L	50.0	50			07/10/25 13:25	16887-00-6	CL
Fluoride	<0.20	mg/L	0.20	1			07/10/25 13:12	16984-48-8	CL
Sulfate	6720	mg/L	1000	1000			07/10/25 13:38	14808-79-8	CL
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.17	mg/L	0.10	1		07/01/25 14:30	07/08/25 21:21	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<5.0	mg/L	5.0	5			07/02/25 19:32	7440-44-0	D3
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1			07/08/25 01:35		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-MW-803-061925		Lab ID: 60477684006		Collected: 06/19/25 10:25		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.9	mg/L	0.10	1	06/24/25 13:52	07/07/25 21:12	7440-42-8		
Calcium, Total Recoverable	44.2	mg/L	0.20	1	06/24/25 13:52	07/07/25 21:12	7440-70-2		
Magnesium, Total Recoverable	31.3	mg/L	0.050	1	06/24/25 13:52	07/07/25 21:12	7439-95-4		
Potassium, Total Recoverable	5.0	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:12	7440-09-7		
Sodium, Total Recoverable	156	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:12	7440-23-5		
Total Hardness by 2340B, Total Recoverable	239	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:12			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	33.9	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:21	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.068	mg/L	0.010	1	06/23/25 14:11	07/07/25 22:11	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	1.5	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:36	7429-90-5		
Iron, Total Recoverable	1.9	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:36	7439-89-6		
Manganese, Total Recoverable	0.040	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:36	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	0.086	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:05	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:05	7440-48-4		
Iron, Dissolved	0.12	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:05	7439-89-6		
Manganese, Dissolved	0.0099	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:05	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 13:00	7439-97-6		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.62	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.59	mg/L	0.10	1	07/01/25 14:30	07/08/25 21:23	7723-14-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

Sample: LAC-MW-803-061925		Lab ID: 60477684006		Collected: 06/19/25 10:25		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		07/02/25 19:47	7440-44-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-TW-1-061925		Lab ID: 60477684007	Collected: 06/19/25 11:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.2	mg/L	0.10	1	06/24/25 13:52	07/07/25 21:14	7440-42-8	
Calcium, Total Recoverable	21.5	mg/L	0.20	1	06/24/25 13:52	07/07/25 21:14	7440-70-2	
Magnesium, Total Recoverable	50.5	mg/L	0.050	1	06/24/25 13:52	07/07/25 21:14	7439-95-4	
Potassium, Total Recoverable	7.3	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:14	7440-09-7	
Sodium, Total Recoverable	281	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:14	7440-23-5	
Total Hardness by 2340B, Total Recoverable	262	mg/L	0.50	1	06/24/25 13:52	07/07/25 21:14		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	57.3	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:23	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.14	mg/L	0.010	1	06/23/25 14:11	07/07/25 22:16	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:39	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 13:52	07/02/25 09:39	7439-89-6	
Manganese, Total Recoverable	0.0021	mg/L	0.0010	1	06/24/25 13:52	07/02/25 09:39	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:08	7429-90-5	
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:08	7440-48-4	
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:08	7439-89-6	
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:08	7439-96-5	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 13:03	7439-97-6	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO ₃)	842	mg/L	20.0	1		06/25/25 18:50		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	20.0	1		06/25/25 18:50		
Alkalinity, Total as CaCO ₃	842	mg/L	20.0	1		06/25/25 18:50		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1140	mg/L	20.0	1		06/26/25 16:21		MW

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Sample: LAC-TW-1-061925		Lab ID: 60477684007		Collected: 06/19/25 11:15		Received: 06/20/25 11:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	<0.20	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.8	Std. Units	0.10	1		06/24/25 15:17		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	0.79	mg/L	0.10	1		06/26/25 03:10	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		06/26/25 03:10	14797-65-0	H1	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	39.3	mg/L	10.0	10		07/10/25 14:04	16887-00-6	CL	
Fluoride	<0.20	mg/L	0.20	1		07/10/25 13:51	16984-48-8	CL	
Sulfate	55.8	mg/L	10.0	10		07/10/25 14:04	14808-79-8	CL	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.10	mg/L	0.10	1	07/01/25 14:30	07/08/25 21:26	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<1.0	mg/L	1.0	1		07/02/25 18:18	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		07/08/25 01:55			

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch: 940117

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3727297

Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/30/25 12:12	

LABORATORY CONTROL SAMPLE: 3727298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727299 3727300

Parameter	Units	60477289007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.4	4.3	88	85	70-130	4	20	

MATRIX SPIKE SAMPLE: 3727301

Parameter	Units	60477684003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	5	4.2	84	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939618	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3725229

Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	07/07/25 19:56	
Calcium	mg/L	<0.20	0.20	07/07/25 19:56	
Hardness, Total(SM 2340B)	mg/L	<0.50	0.50	07/07/25 19:56	
Magnesium	mg/L	<0.050	0.050	07/07/25 19:56	
Potassium	mg/L	<0.50	0.50	07/07/25 19:56	
Sodium	mg/L	<0.50	0.50	07/07/25 19:56	

LABORATORY CONTROL SAMPLE: 3725230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.90	90	85-115	
Calcium	mg/L	10	9.7	97	85-115	
Hardness, Total(SM 2340B)	mg/L	66.2	62.8	95	85-115	
Magnesium	mg/L	10	9.4	94	85-115	
Potassium	mg/L	10	9.6	96	85-115	
Sodium	mg/L	10	9.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725231 3725232

Parameter	Units	60477684001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.96	1	1	1.9	1.8	90	88	70-130	1	20	
Calcium	mg/L	43.8	10	10	52.8	51.8	90	80	70-130	2	20	
Hardness, Total(SM 2340B)	mg/L	181	66.2	66.2	241	236	91	83	70-130	2	20	
Magnesium	mg/L	17.4	10	10	26.5	25.9	91	85	70-130	2	20	
Potassium	mg/L	3.5	10	10	12.9	12.8	93	93	70-130	0	20	
Sodium	mg/L	229	10	10	238	233	90	39	70-130	2	20 M1	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939407	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003

METHOD BLANK: 3724663 Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.050	0.050	07/07/25 13:47	

LABORATORY CONTROL SAMPLE: 3724664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724665 3724666

Parameter	Units	60477613002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	38.2	10	10	47.2	48.2	90	100	70-130	2	20	

MATRIX SPIKE SAMPLE: 3724667

Parameter	Units	60477613010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	132	10	141	89	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch: 939419 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3724702 Matrix: Water
Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.050	0.050	07/08/25 17:10	

LABORATORY CONTROL SAMPLE: 3724703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.5	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724704 3724705

Parameter	Units	60477684004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	19.5	10	10	29.2	29.2	97	97	70-130	0	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939624	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3725235 Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	<0.050	0.050	07/02/25 09:04	
Iron	mg/L	<0.050	0.050	07/02/25 09:04	
Manganese	mg/L	<0.0010	0.0010	07/02/25 09:04	

LABORATORY CONTROL SAMPLE: 3725236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.0	101	85-115	
Iron	mg/L	1	1.1	106	85-115	
Manganese	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725237 3725238

Parameter	Units	60477684002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	0.061	1	1	1.2	1.2	111	113	70-130	1	20	
Iron	mg/L	<0.050	1	1	1.1	1.1	107	109	70-130	2	20	
Manganese	mg/L	0.0094	0.04	0.04	0.049	0.050	100	101	70-130	1	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939406	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003

METHOD BLANK: 3724658 Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	06/30/25 17:43	
Cobalt, Dissolved	mg/L	<0.0010	0.0010	06/30/25 17:43	
Iron, Dissolved	mg/L	<0.050	0.050	06/30/25 17:43	
Manganese, Dissolved	mg/L	<0.0010	0.0010	06/30/25 17:43	

LABORATORY CONTROL SAMPLE: 3724659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	103	85-115	
Cobalt, Dissolved	mg/L	0.04	0.040	101	85-115	
Iron, Dissolved	mg/L	1	1.0	102	85-115	
Manganese, Dissolved	mg/L	0.04	0.041	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724660 3724661

Parameter	Units	60477613001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.0082	1	1	1.3	1.3	128	130	70-130	1	20	
Cobalt, Dissolved	mg/L	<0.00010	0.04	0.04	0.043	0.043	107	106	70-130	1	20	
Iron, Dissolved	mg/L	<0.0044	1	1	0.84	0.83	83	83	70-130	0	20	
Manganese, Dissolved	mg/L	0.00064J	0.04	0.04	0.035	0.034	87	83	70-130	4	20	

MATRIX SPIKE SAMPLE: 3724662

Parameter	Units	60477613011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	1	1.3	125	70-130	
Cobalt, Dissolved	mg/L	0.00057J	0.04	0.042	104	70-130	
Iron, Dissolved	mg/L	0.093	1	0.92	83	70-130	
Manganese, Dissolved	mg/L	0.44	0.04	0.46	60	70-130 M0	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	939420	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3724706 Matrix: Water
Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	07/02/25 09:45	
Cobalt, Dissolved	mg/L	<0.0010	0.0010	07/02/25 09:45	
Iron, Dissolved	mg/L	<0.050	0.050	07/02/25 09:45	
Manganese, Dissolved	mg/L	<0.0010	0.0010	07/02/25 09:45	

LABORATORY CONTROL SAMPLE: 3724707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	101	85-115	
Cobalt, Dissolved	mg/L	0.04	0.038	95	85-115	
Iron, Dissolved	mg/L	1	1.0	104	85-115	
Manganese, Dissolved	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724708 3724709

Parameter	Units	60477684005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.050	1	1	1.6	1.5	159	151	70-130	5	20	M1
Cobalt, Dissolved	mg/L	0.0065	0.04	0.04	0.053	0.053	116	116	70-130	0	20	
Iron, Dissolved	mg/L	<0.050	1	1	1.2	1.1	117	113	70-130	4	20	
Manganese, Dissolved	mg/L	1.2	0.04	0.04	1.3	1.2	9	-17	70-130	1	20	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	939434	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005

METHOD BLANK: 3724747 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	07/07/25 13:03	

LABORATORY CONTROL SAMPLE: 3724748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724749 3724750

Parameter	Units	60477613003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.024	1	1	1.1	1.0	103	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	939438	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684006, 60477684007

METHOD BLANK: 3724761 Matrix: Water

Associated Lab Samples: 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	07/07/25 22:07	

LABORATORY CONTROL SAMPLE: 3724762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724763 3724764

Parameter	Units	60477684006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.068	1	1	1.0	1.0	98	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939784	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

METHOD BLANK: 3725865 Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	20.0	06/25/25 17:15	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	20.0	06/25/25 17:15	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	20.0	06/25/25 17:15	

LABORATORY CONTROL SAMPLE: 3725866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	452	90	90-110	

SAMPLE DUPLICATE: 3725867

Parameter	Units	60477667006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	589	589	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	589	589	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3725868

Parameter	Units	60477689002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	688	691	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	688	691	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	939899	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

METHOD BLANK: 3726332 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	06/26/25 16:20	

LABORATORY CONTROL SAMPLE: 3726333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	992	99	80-120	

SAMPLE DUPLICATE: 3726334

Parameter	Units	60476421003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	<5.0	<5.0		10	H1

SAMPLE DUPLICATE: 3726335

Parameter	Units	60477684005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9150	9220	1	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch: 940058 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3726980 Matrix: Water
Associated Lab Samples: 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	07/02/25 14:26	H6

LABORATORY CONTROL SAMPLE: 3726981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.1	103	90-110	H6

SAMPLE DUPLICATE: 3726982

Parameter	Units	60477613009 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	0.30	0.32	5	20	H6

SAMPLE DUPLICATE: 3726983

Parameter	Units	60477667002 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	ND	<0.20		20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch: 940073 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684001, 60477684002, 60477684003

METHOD BLANK: 3727019 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	07/02/25 14:26	H6

LABORATORY CONTROL SAMPLE: 3727020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.1	103	90-110	H6

SAMPLE DUPLICATE: 3727021

Parameter	Units	60477684003 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch: 939560

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

SAMPLE DUPLICATE: 3725010

Parameter	Units	60477595009 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	8.0	1	5	H1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	939821	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007			

METHOD BLANK:	3726012	Matrix:	Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	06/26/25 14:49	

LABORATORY CONTROL SAMPLE: 3726013						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.54	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726015 3726016												
Parameter	Units	60477635002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.32	0.34	59	62	75-125	4	20	M1

SAMPLE DUPLICATE: 3726014						
Parameter	Units	60477635002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

SAMPLE DUPLICATE: 3726017						
Parameter	Units	60477684001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.050	<0.050		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	939361	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

METHOD BLANK: 3724497 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	06/26/25 02:10	
Nitrite as N	mg/L	<0.10	0.10	06/26/25 02:10	

LABORATORY CONTROL SAMPLE: 3724498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	102	90-110	
Nitrite as N	mg/L	2	2.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724499 3724500

Parameter	Units	60477684005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.14	2	2	1.1	1.0	46	45	80-120	2	15	H1,M1
Nitrite as N	mg/L	<0.10	2	2	1.8	1.7	89	86	80-120	3	15	H1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

QC Batch:	941219	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007			

METHOD BLANK: 3731451

Matrix: Water

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	07/10/25 09:29	
Fluoride	mg/L	<0.20	0.20	07/10/25 09:29	
Sulfate	mg/L	<1.0	1.0	07/10/25 09:29	

LABORATORY CONTROL SAMPLE: 3731452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.7	94	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3731453 3731454

Parameter	Units	60477684001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	35.8	50	50	77.8	79.5	84	87	80-120	2	15	
Fluoride	mg/L	0.30	2.5	2.5	2.4	2.4	85	85	80-120	1	15	
Sulfate	mg/L	70.4	50	50	115	119	89	98	80-120	4	15	

MATRIX SPIKE SAMPLE: 3731455

Parameter	Units	60477689004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	52.2	50	93.0	81	80-120	CL
Fluoride	mg/L	1.1	2.5	3.4	93	80-120	
Sulfate	mg/L	<1.0	5	5.4	94	80-120	CL

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	940404	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3728425 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	07/08/25 20:05	

LABORATORY CONTROL SAMPLE: 3728426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	6.0	120	80-120	

MATRIX SPIKE SAMPLE: 3728427

Parameter	Units	60477613002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.36	5	6.0	114	80-120	

MATRIX SPIKE SAMPLE: 3728429

Parameter	Units	60477636001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	38.8	25	63.5	99	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch:	940584	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

METHOD BLANK: 3729118 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003, 60477684004, 60477684005, 60477684006, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	07/02/25 15:48	

LABORATORY CONTROL SAMPLE: 3729119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.8	116	80-120	

MATRIX SPIKE SAMPLE: 3729120

Parameter	Units	60477576002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.8	25	36.7	120	80-120	

SAMPLE DUPLICATE: 3729121

Parameter	Units	60477634003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	7.5	7.3	2	25	D3

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch: 940707 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684001, 60477684002, 60477684003

METHOD BLANK: 3729641 Matrix: Water
Associated Lab Samples: 60477684001, 60477684002, 60477684003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	07/03/25 14:47	

LABORATORY CONTROL SAMPLE: 3729642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.8	117	80-120	

MATRIX SPIKE SAMPLE: 3729643

Parameter	Units	60477512001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.4	5	8.0	111	80-120	

SAMPLE DUPLICATE: 3729644

Parameter	Units	60477512003 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	6.2	9.5	42	25	D6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60477684

QC Batch: 940708 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477684004, 60477684005, 60477684007

METHOD BLANK: 3729645 Matrix: Water
Associated Lab Samples: 60477684004, 60477684005, 60477684007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	07/07/25 23:36	

LABORATORY CONTROL SAMPLE: 3729646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	4.9	98	80-120	

MATRIX SPIKE SAMPLE: 3729647

Parameter	Units	60477684004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	5	4.2	72	80-120	M1

SAMPLE DUPLICATE: 3729648

Parameter	Units	60477684007 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALIFIERS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MW	Due to matrix interference, achieving a constant weight is not possible.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477684001	LAC-MW-703-061925	EPA 200.7	939618	EPA 200.7	939729
60477684002	LAC-MW-704-061925	EPA 200.7	939618	EPA 200.7	939729
60477684003	LAC-MW-705-061925	EPA 200.7	939618	EPA 200.7	939729
60477684004	LAC-MW-706-061925	EPA 200.7	939618	EPA 200.7	939729
60477684005	LAC-MW-707B-061925	EPA 200.7	939618	EPA 200.7	939729
60477684006	LAC-MW-803-061925	EPA 200.7	939618	EPA 200.7	939729
60477684007	LAC-TW-1-061925	EPA 200.7	939618	EPA 200.7	939729
60477684001	LAC-MW-703-061925	EPA 200.7	939407	EPA 200.7	939557
60477684002	LAC-MW-704-061925	EPA 200.7	939407	EPA 200.7	939557
60477684003	LAC-MW-705-061925	EPA 200.7	939407	EPA 200.7	939557
60477684004	LAC-MW-706-061925	EPA 200.7	939419	EPA 200.7	939576
60477684005	LAC-MW-707B-061925	EPA 200.7	939419	EPA 200.7	939576
60477684006	LAC-MW-803-061925	EPA 200.7	939419	EPA 200.7	939576
60477684007	LAC-TW-1-061925	EPA 200.7	939419	EPA 200.7	939576
60477684001	LAC-MW-703-061925	EPA 3010	939434	EPA 6010	939528
60477684002	LAC-MW-704-061925	EPA 3010	939434	EPA 6010	939528
60477684003	LAC-MW-705-061925	EPA 3010	939434	EPA 6010	939528
60477684004	LAC-MW-706-061925	EPA 3010	939434	EPA 6010	939528
60477684005	LAC-MW-707B-061925	EPA 3010	939434	EPA 6010	939528
60477684006	LAC-MW-803-061925	EPA 3010	939438	EPA 6010	939518
60477684007	LAC-TW-1-061925	EPA 3010	939438	EPA 6010	939518
60477684001	LAC-MW-703-061925	EPA 200.8	939624	EPA 200.8	939736
60477684002	LAC-MW-704-061925	EPA 200.8	939624	EPA 200.8	939736
60477684003	LAC-MW-705-061925	EPA 200.8	939624	EPA 200.8	939736
60477684004	LAC-MW-706-061925	EPA 200.8	939624	EPA 200.8	939736
60477684005	LAC-MW-707B-061925	EPA 200.8	939624	EPA 200.8	939736
60477684006	LAC-MW-803-061925	EPA 200.8	939624	EPA 200.8	939736
60477684007	LAC-TW-1-061925	EPA 200.8	939624	EPA 200.8	939736
60477684001	LAC-MW-703-061925	EPA 200.8	939406	EPA 200.8	939555
60477684002	LAC-MW-704-061925	EPA 200.8	939406	EPA 200.8	939555
60477684003	LAC-MW-705-061925	EPA 200.8	939406	EPA 200.8	939555
60477684004	LAC-MW-706-061925	EPA 200.8	939420	EPA 200.8	939575
60477684005	LAC-MW-707B-061925	EPA 200.8	939420	EPA 200.8	939575
60477684006	LAC-MW-803-061925	EPA 200.8	939420	EPA 200.8	939575
60477684007	LAC-TW-1-061925	EPA 200.8	939420	EPA 200.8	939575
60477684001	LAC-MW-703-061925	EPA 245.1	940117	EPA 245.1	940148
60477684002	LAC-MW-704-061925	EPA 245.1	940117	EPA 245.1	940148
60477684003	LAC-MW-705-061925	EPA 245.1	940117	EPA 245.1	940148
60477684004	LAC-MW-706-061925	EPA 245.1	940117	EPA 245.1	940148
60477684005	LAC-MW-707B-061925	EPA 245.1	940117	EPA 245.1	940148
60477684006	LAC-MW-803-061925	EPA 245.1	940117	EPA 245.1	940148
60477684007	LAC-TW-1-061925	EPA 245.1	940117	EPA 245.1	940148
60477684001	LAC-MW-703-061925	SM 2320B	939784		
60477684002	LAC-MW-704-061925	SM 2320B	939784		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477684003	LAC-MW-705-061925	SM 2320B	939784		
60477684004	LAC-MW-706-061925	SM 2320B	939784		
60477684005	LAC-MW-707B-061925	SM 2320B	939784		
60477684007	LAC-TW-1-061925	SM 2320B	939784		
60477684001	LAC-MW-703-061925	SM 2540C	939899		
60477684002	LAC-MW-704-061925	SM 2540C	939899		
60477684003	LAC-MW-705-061925	SM 2540C	939899		
60477684004	LAC-MW-706-061925	SM 2540C	939899		
60477684005	LAC-MW-707B-061925	SM 2540C	939899		
60477684007	LAC-TW-1-061925	SM 2540C	939899		
60477684001	LAC-MW-703-061925	SM 3500-Fe B#4	940073		
60477684002	LAC-MW-704-061925	SM 3500-Fe B#4	940073		
60477684003	LAC-MW-705-061925	SM 3500-Fe B#4	940073		
60477684004	LAC-MW-706-061925	SM 3500-Fe B#4	940058		
60477684005	LAC-MW-707B-061925	SM 3500-Fe B#4	940058		
60477684006	LAC-MW-803-061925	SM 3500-Fe B#4	940058		
60477684007	LAC-TW-1-061925	SM 3500-Fe B#4	940058		
60477684001	LAC-MW-703-061925	SM 4500-H+B	939560		
60477684002	LAC-MW-704-061925	SM 4500-H+B	939560		
60477684003	LAC-MW-705-061925	SM 4500-H+B	939560		
60477684004	LAC-MW-706-061925	SM 4500-H+B	939560		
60477684005	LAC-MW-707B-061925	SM 4500-H+B	939560		
60477684007	LAC-TW-1-061925	SM 4500-H+B	939560		
60477684001	LAC-MW-703-061925	SM 4500-S-2 D	939821		
60477684002	LAC-MW-704-061925	SM 4500-S-2 D	939821		
60477684003	LAC-MW-705-061925	SM 4500-S-2 D	939821		
60477684004	LAC-MW-706-061925	SM 4500-S-2 D	939821		
60477684005	LAC-MW-707B-061925	SM 4500-S-2 D	939821		
60477684006	LAC-MW-803-061925	SM 4500-S-2 D	939821		
60477684007	LAC-TW-1-061925	SM 4500-S-2 D	939821		
60477684001	LAC-MW-703-061925	EPA 300.0	939361		
60477684002	LAC-MW-704-061925	EPA 300.0	939361		
60477684003	LAC-MW-705-061925	EPA 300.0	939361		
60477684004	LAC-MW-706-061925	EPA 300.0	939361		
60477684005	LAC-MW-707B-061925	EPA 300.0	939361		
60477684007	LAC-TW-1-061925	EPA 300.0	939361		
60477684001	LAC-MW-703-061925	EPA 300.0	941219		
60477684002	LAC-MW-704-061925	EPA 300.0	941219		
60477684003	LAC-MW-705-061925	EPA 300.0	941219		
60477684004	LAC-MW-706-061925	EPA 300.0	941219		
60477684005	LAC-MW-707B-061925	EPA 300.0	941219		
60477684007	LAC-TW-1-061925	EPA 300.0	941219		
60477684001	LAC-MW-703-061925	EPA 365.4	940404	EPA 365.4	941229
60477684002	LAC-MW-704-061925	EPA 365.4	940404	EPA 365.4	941229
60477684003	LAC-MW-705-061925	EPA 365.4	940404	EPA 365.4	941229

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60477684

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477684004	LAC-MW-706-061925	EPA 365.4	940404	EPA 365.4	941229
60477684005	LAC-MW-707B-061925	EPA 365.4	940404	EPA 365.4	941229
60477684006	LAC-MW-803-061925	EPA 365.4	940404	EPA 365.4	941229
60477684007	LAC-TW-1-061925	EPA 365.4	940404	EPA 365.4	941229
60477684001	LAC-MW-703-061925	SM 5310C	940584		
60477684002	LAC-MW-704-061925	SM 5310C	940584		
60477684003	LAC-MW-705-061925	SM 5310C	940584		
60477684004	LAC-MW-706-061925	SM 5310C	940584		
60477684005	LAC-MW-707B-061925	SM 5310C	940584		
60477684006	LAC-MW-803-061925	SM 5310C	940584		
60477684007	LAC-TW-1-061925	SM 5310C	940584		
60477684001	LAC-MW-703-061925	SM 5310C	940707		
60477684002	LAC-MW-704-061925	SM 5310C	940707		
60477684003	LAC-MW-705-061925	SM 5310C	940707		
60477684004	LAC-MW-706-061925	SM 5310C	940708		
60477684005	LAC-MW-707B-061925	SM 5310C	940708		
60477684007	LAC-TW-1-061925	SM 5310C	940708		

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DC#_Title: ENV-FRM-LENE-000

Revision: 2

Effective Date:

WO#: 60477684

Client Name: EnergyCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 2.5 Corr. Factor +0.1 Corrected 2.6Date and initials of person
examining contents: 6/20

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	• cooler #2 temp is 4.1 • limited volume for sample ID: "LaC-MW-803-061825"
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr): <u>NOX</u>	☒ Yes ☐ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☒ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A <u>88728</u> LOT#: <u>96888</u>	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

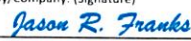
Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

 Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields		LAB USE ONLY - Affix Workorder/Login Label Here  60477684 Scan QR Code for instructions																																	
Company Name: Evergy_Haley & Aldrich		Contact/Report To: Jake Humphrey																																			
Street Address: 818 S Kansas Avenue Topeka, KS 66612		Phone #: (913)634-0605																																			
		E-Mail: jake.humphrey@evergy.com																																			
		Cc E-Mail: skaney@haleyaldrich.com																																			
Customer Project #:		Invoice To: Lacygne-Evergy Payable																																			
Project Name: La Cygne CCR Wells -Additional Analyses		Invoice E-Mail: apinvoicing@evergy.com																																			
Site Collection Info/Facility ID (as applicable): Evergy La Cygne Generating Station		Purchase Order # (if applicable): 3000222251																																			
Quote #:																																					
Time Zone Collected: [] AK [] PT [] MT [☒] CT [] ET		County / State origin of sample(s): Kansas																																			
Data Deliverables:		Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [☒] No																																			
[] Level II [] Level III [] Level IV		Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____		DW PWSID # or WW Permit # as applicable: NA																																	
[] EQUIS		Date Results Requested:		Field Filtered (if applicable): [☒] Yes [] No Analysis: Metals, Dissolved; DOC																																	
[] Other _____																																					
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																																					
Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		2540C Total Dissolved Solids				300.0 IC Anions 28 Days; 4500H+ pH, Electrometric; NO2/NO3 (UNP: 48 HR)		365.4 Total Phosphorus; NO2/NO3		4500S2D Sulfide, Total		5310C Dissolved Organic Carbon (FF)		5310C TOC		Iron, Ferrous		Metals: 200.7/200.8 *see list		Metals: 200.7/200.8/6010 Dissolved (FF) **see list		2320B Alkalinity, Carb/Bicarb		Lab Use Only		Preservation non-conformance identified for sample.			
			Date	Time	Date	Time		Results	Units																												
LaC-MW-703-061925	GW	GRAB	-	-	6/19/2025	1645	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LaC-MW-704-061925	GW	GRAB	-	-	6/19/2025	1515	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LaC-MW-705-061925	GW	GRAB	-	-	6/19/2025	1320	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LaC-MW-706-061925	GW	GRAB	-	-	6/19/2025	1215	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LaC-MW-707B-061925	GW	GRAB	-	-	6/19/2025	1010	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LaC-MW-803-061825	GW	GRAB	-	-	6/18/2025	1025	8	-	-							X	X			X	X	X	X														
LaC-TW-1-061925	GW	GRAB	-	-	6/19/2025	1115	12	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Additional Instructions from Pace*: *Total Metals: 200.7 - B, Ca, Mg, Na, K, Hardness / 200.8 - Al, Fe, Mn, **Dissolved Metals: 200.7- Mg / 6010 - Li / 200.8 - Co, Fe, Al, Mn Anions: Cl, SO4			Collected By: (Printed Name) Jason R. Franks Signature: 			Customer Remarks / Special Conditions / Possible Hazards: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice: 206																															
Relinquished by/Company: (Signature)  / SCS			Date/Time: 06/20/2025 / 11:00			Received by/Company: (Signature) 			Date/Time: 6/20 11:08			Tracking Number:																									
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Delivered by: [] In-Person [] Courier																									
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			[] FedEx [] UPS [] Other																									
Relinquished by/Company: (Signature)			Date/Time:			Received by/Company: (Signature)			Date/Time:			Page: 1 of 1																									

Site: LA Cygne CCR Wells - Additional Analyses

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT		3										2								1	2		1	1	1		1				
2			1										1								1			1								
3			1										1								1			1								
4			1										1								1			1								
5			1										1								1			1								
6			3										1										1	1	1		1					
7			3										2								1	1		1	1	1		1				
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unpreserved amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio, clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60477684



July 24, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

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SAMPLE SUMMARY

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477689001	LAC-MW-6-062025	Water	06/20/25 10:05	06/20/25 13:58
60477689002	LAC-MW-7-062025	Water	06/20/25 10:40	06/20/25 13:58
60477689003	LAC-MW-701-062025	Water	06/20/25 08:45	06/20/25 13:58
60477689004	LAC-MW-702-062025	Water	06/20/25 08:50	06/20/25 13:58
60477689005	LAC-DUP2-062025	Water	06/20/25 08:45	06/20/25 13:58

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SAMPLE ANALYTE COUNT

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477689001	LAC-MW-6-062025	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477689002	LAC-MW-7-062025	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477689003	LAC-MW-701-062025	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477689004	LAC-MW-702-062025	EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K
60477689005	LAC-DUP2-062025	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	3	PASI-K
		EPA 200.8	JGP	4	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EFM	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EFM	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	MLD	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EFM	1	PASI-K
		SM 5310C	BMT	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939692

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477689002,60477779001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3725489)
 - Sodium
- MS (Lab ID: 3725491)
 - Calcium
- MSD (Lab ID: 3725490)
 - Sodium

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939597

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477689001,60477709006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3725117)
 - Manganese
- MSD (Lab ID: 3725118)
 - Manganese

QC Batch: 940682

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477689003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3729464)
 - Aluminum

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: EPA 200.8
Description: 200.8 MET ICPMS, Dissolved
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939420

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724708)
 - Aluminum, Dissolved
 - Manganese, Dissolved
- MSD (Lab ID: 3724709)
 - Aluminum, Dissolved
 - Manganese, Dissolved

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: EPA 245.1

Description: 245.1 Mercury

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 940721

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477875003,60477969001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3729734)
- Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: SM 2540C
Description: 2540C Total Dissolved Solids
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-DUP2-062025 (Lab ID: 60477689005)
- LAC-MW-6-062025 (Lab ID: 60477689001)
- LAC-MW-7-062025 (Lab ID: 60477689002)
- LAC-MW-701-062025 (Lab ID: 60477689003)
- LAC-MW-702-062025 (Lab ID: 60477689004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-DUP2-062025 (Lab ID: 60477689005)
- LAC-MW-6-062025 (Lab ID: 60477689001)
- LAC-MW-7-062025 (Lab ID: 60477689002)
- LAC-MW-701-062025 (Lab ID: 60477689003)
- LAC-MW-702-062025 (Lab ID: 60477689004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: SM 4500-S-2 D

Description: 4500S2D Sulfide, Total

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939821

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477635002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3726015)
 - Sulfide, Total
- MSD (Lab ID: 3726016)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939382

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477689001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3724590)
 - Nitrate as N
- MSD (Lab ID: 3724591)
 - Nitrate as N

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: July 24, 2025

General Information:

5 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 940512

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 3728791)
- Phosphorus

Additional Comments:

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 940584

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- DUP (Lab ID: 3729121)
- Total Organic Carbon

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PROJECT NARRATIVE

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: July 24, 2025

General Information:

5 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 940708

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477684004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3729647)
- Dissolved Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-6-062025		Lab ID: 60477689001		Collected: 06/20/25 10:05		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.1	mg/L	0.10	1	06/25/25 13:10	06/26/25 16:54	7440-42-8	P6	
Calcium, Total Recoverable	75.9	mg/L	0.20	1	06/25/25 13:10	06/26/25 16:54	7440-70-2		
Magnesium, Total Recoverable	37.1	mg/L	0.050	1	06/25/25 13:10	06/26/25 16:54	7439-95-4		
Potassium, Total Recoverable	4.8	mg/L	0.50	1	06/25/25 13:10	06/26/25 16:54	7440-09-7		
Sodium, Total Recoverable	304	mg/L	0.50	1	06/25/25 13:10	06/26/25 16:54	7440-23-5		
Total Hardness by 2340B, Total Recoverable	343	mg/L	0.50	1	06/25/25 13:10	06/26/25 16:54			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	38.4	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:25	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.048	mg/L	0.010	1	06/23/25 14:11	07/07/25 22:18	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:16	7429-90-5	M1	
Iron, Total Recoverable	0.40	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:16	7439-89-6		
Manganese, Total Recoverable	0.73	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:16	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/03/25 13:17	7429-90-5	D9	
Cobalt, Dissolved	0.0073	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:10	7440-48-4		
Iron, Dissolved	0.34	mg/L	0.050	1	06/23/25 16:31	07/03/25 13:17	7439-89-6		
Manganese, Dissolved	0.81	mg/L	0.0010	1	06/23/25 16:31	07/03/25 13:17	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 13:07	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	630	mg/L	20.0	1		06/25/25 18:58			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 18:58			
Alkalinity, Total as CaCO3	630	mg/L	20.0	1		06/25/25 18:58			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1220	mg/L	40.0	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-6-062025		Lab ID: 60477689001		Collected: 06/20/25 10:05		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	0.58	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.4	Std. Units	0.10	1		06/30/25 18:47		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	<0.10	mg/L	0.10	1		06/21/25 17:41	14797-55-8	M1	
Nitrite as N	<0.10	mg/L	0.10	1		06/21/25 17:41	14797-65-0		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	246	mg/L	50.0	50		07/10/25 14:56	16887-00-6	CL	
Fluoride	<0.20	mg/L	0.20	1		07/10/25 14:43	16984-48-8	CL	
Sulfate	139	mg/L	50.0	50		07/10/25 14:56	14808-79-8	CL	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.20	mg/L	0.10	1	07/01/25 14:30	07/08/25 21:28	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	1.2	mg/L	1.0	1		07/02/25 21:18	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	1.1	mg/L	1.0	1		07/08/25 02:34			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-7-062025		Lab ID: 60477689002		Collected: 06/20/25 10:40		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.5	mg/L	0.10	1	06/25/25 13:10	06/26/25 17:00	7440-42-8	M1	
Calcium, Total Recoverable	21.2	mg/L	0.20	1	06/25/25 13:10	06/26/25 17:00	7440-70-2		
Magnesium, Total Recoverable	13.8	mg/L	0.050	1	06/25/25 13:10	06/26/25 17:00	7439-95-4		
Potassium, Total Recoverable	4.4	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:00	7440-09-7		
Sodium, Total Recoverable	333	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:00	7440-23-5		
Total Hardness by 2340B, Total Recoverable	110	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:00			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	13.6	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:32	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.074	mg/L	0.010	1	06/23/25 14:11	07/07/25 22:20	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:29	7429-90-5		
Iron, Total Recoverable	0.67	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:29	7439-89-6		
Manganese, Total Recoverable	0.025	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:29	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/03/25 13:20	7429-90-5	D9	
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:17	7440-48-4		
Iron, Dissolved	0.61	mg/L	0.050	1	06/23/25 16:31	07/03/25 13:20	7439-89-6		
Manganese, Dissolved	0.027	mg/L	0.0010	1	06/23/25 16:31	07/03/25 13:20	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 13:10	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	688	mg/L	20.0	1		06/25/25 19:05			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 19:05			
Alkalinity, Total as CaCO3	688	mg/L	20.0	1		06/25/25 19:05			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	988	mg/L	20.0	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-7-062025		Lab ID: 60477689002		Collected: 06/20/25 10:40		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	1.1	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.6	Std. Units	0.10	1		06/30/25 14:04		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	<0.10	mg/L	0.10	1		06/21/25 18:15	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		06/21/25 18:15	14797-65-0		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	117	mg/L	20.0	20		07/10/25 15:22	16887-00-6	CL	
Fluoride	0.53	mg/L	0.20	1		07/10/25 15:09	16984-48-8	CL	
Sulfate	<1.0	mg/L	1.0	1		07/10/25 15:09	14808-79-8	CL	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.29	mg/L	0.10	1	07/10/25 07:37	07/15/25 15:09	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<1.0	mg/L	1.0	1		07/02/25 21:33	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		07/08/25 02:54			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-701-062025		Lab ID: 60477689003		Collected: 06/20/25 08:45		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.87	mg/L	0.10	1	06/25/25 13:10	06/26/25 17:01	7440-42-8		
Calcium, Total Recoverable	44.1	mg/L	0.20	1	06/25/25 13:10	06/26/25 17:01	7440-70-2		
Magnesium, Total Recoverable	9.3	mg/L	0.050	1	06/25/25 13:10	06/26/25 17:01	7439-95-4		
Potassium, Total Recoverable	3.2	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:01	7440-09-7		
Sodium, Total Recoverable	160	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:01	7440-23-5		
Total Hardness by 2340B, Total Recoverable	148	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:01			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	9.2	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:34	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.045	mg/L	0.010	1	06/23/25 14:11	07/07/25 22:22	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	1.4	mg/L	0.050	1	07/03/25 12:32	07/07/25 10:25	7429-90-5	M1	
Iron, Total Recoverable	0.75	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:32	7439-89-6		
Manganese, Total Recoverable	0.087	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:32	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:20	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:20	7440-48-4		
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:20	7439-89-6		
Manganese, Dissolved	0.084	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:20	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	06/27/25 15:03	06/30/25 13:12	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	360	mg/L	20.0	1		06/25/25 19:19			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 19:19			
Alkalinity, Total as CaCO3	360	mg/L	20.0	1		06/25/25 19:19			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	644	mg/L	13.3	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-701-062025		Lab ID: 60477689003		Collected: 06/20/25 08:45		Received: 06/20/25 13:58		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	1.5	mg/L	0.20	1			07/02/25 14:26	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.3	Std. Units	0.10	1			06/30/25 14:04		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1			06/26/25 14:49	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1			06/21/25 18:26	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1			06/21/25 18:26	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	48.5	mg/L	10.0	10			07/10/25 15:48	16887-00-6	CL
Fluoride	<0.20	mg/L	0.20	1			07/10/25 15:35	16984-48-8	CL
Sulfate	81.1	mg/L	10.0	10			07/10/25 15:48	14808-79-8	CL
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1		07/10/25 07:37	07/15/25 15:11	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.2	mg/L	1.0	1			07/02/25 22:17	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.0	mg/L	1.0	1			07/08/25 03:14		

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-702-062025		Lab ID: 60477689004		Collected: 06/20/25 08:50		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.8	mg/L	0.10	1	06/25/25 13:10	06/26/25 17:09	7440-42-8		
Calcium, Total Recoverable	19.0	mg/L	0.20	1	06/25/25 13:10	06/26/25 17:09	7440-70-2		
Magnesium, Total Recoverable	6.6	mg/L	0.050	1	06/25/25 13:10	06/26/25 17:09	7439-95-4		
Potassium, Total Recoverable	3.5	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:09	7440-09-7		
Sodium, Total Recoverable	249	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:09	7440-23-5		
Total Hardness by 2340B, Total Recoverable	74.5	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:09			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	6.7	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:36	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.060	mg/L	0.010	1	06/23/25 14:11	07/07/25 21:58	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.43	mg/L	0.050	1	07/03/25 12:32	07/07/25 10:33	7429-90-5		
Iron, Total Recoverable	0.32	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:35	7439-89-6		
Manganese, Total Recoverable	0.014	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:35	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:22	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:22	7440-48-4		
Iron, Dissolved	0.11	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:22	7439-89-6		
Manganese, Dissolved	0.016	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:22	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/03/25 14:48	07/07/25 09:35	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	550	mg/L	20.0	1		06/25/25 19:40			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 19:40			
Alkalinity, Total as CaCO3	550	mg/L	20.0	1		06/25/25 19:40			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	713	mg/L	13.3	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-MW-702-062025		Lab ID: 60477689004		Collected: 06/20/25 08:50		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	<0.20	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.6	Std. Units	0.10	1		06/30/25 14:04		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	0.48	mg/L	0.10	1		06/21/25 18:37	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		06/21/25 18:37	14797-65-0		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	52.2	mg/L	10.0	10		07/10/25 16:28	16887-00-6	CL	
Fluoride	1.1	mg/L	0.20	1		07/10/25 16:02	16984-48-8	CL	
Sulfate	<1.0	mg/L	1.0	1		07/10/25 16:02	14808-79-8	CL	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.24	mg/L	0.10	1	07/10/25 07:37	07/15/25 15:14	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<1.0	mg/L	1.0	1		07/02/25 22:03	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	1.1	mg/L	1.0	1		07/08/25 03:33			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-DUP2-062025		Lab ID: 60477689005		Collected: 06/20/25 08:45		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.88	mg/L	0.10	1	06/25/25 13:10	06/26/25 17:11	7440-42-8		
Calcium, Total Recoverable	44.8	mg/L	0.20	1	06/25/25 13:10	06/26/25 17:11	7440-70-2		
Magnesium, Total Recoverable	9.5	mg/L	0.050	1	06/25/25 13:10	06/26/25 17:11	7439-95-4		
Potassium, Total Recoverable	3.2	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:11	7440-09-7		
Sodium, Total Recoverable	163	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:11	7440-23-5		
Total Hardness by 2340B, Total Recoverable	151	mg/L	0.50	1	06/25/25 13:10	06/26/25 17:11			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	9.5	mg/L	0.050	1	06/23/25 16:31	07/08/25 17:38	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.045	mg/L	0.010	1	06/23/25 14:11	07/07/25 21:59	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	1.0	mg/L	0.050	1	07/03/25 12:32	07/07/25 10:35	7429-90-5		
Iron, Total Recoverable	0.68	mg/L	0.050	1	06/24/25 09:18	07/02/25 11:42	7439-89-6		
Manganese, Total Recoverable	0.085	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:42	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:25	7429-90-5		
Cobalt, Dissolved	<0.0010	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:25	7440-48-4		
Iron, Dissolved	<0.050	mg/L	0.050	1	06/23/25 16:31	07/02/25 10:25	7439-89-6		
Manganese, Dissolved	0.083	mg/L	0.0010	1	06/23/25 16:31	07/02/25 10:25	7439-96-5		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:31	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	361	mg/L	20.0	1		06/25/25 19:47			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		06/25/25 19:47			
Alkalinity, Total as CaCO3	361	mg/L	20.0	1		06/25/25 19:47			
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	635	mg/L	13.3	1		06/26/25 16:21			

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ANALYTICAL RESULTS

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Sample: LAC-DUP2-062025		Lab ID: 60477689005		Collected: 06/20/25 08:45		Received: 06/20/25 13:58		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	1.5	mg/L	0.20	1		07/02/25 14:26	15438-31-0	H6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City								
pH at 25 Degrees C	7.5	Std. Units	0.10	1		06/23/25 13:53		H1	
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		06/26/25 14:49	18496-25-8		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	<0.10	mg/L	0.10	1		06/21/25 18:48	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		06/21/25 18:48	14797-65-0		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Chloride	49.4	mg/L	10.0	10		07/10/25 17:33	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		07/10/25 17:20	16984-48-8		
Sulfate	82.8	mg/L	10.0	10		07/10/25 17:33	14808-79-8		
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.10	mg/L	0.10	1	07/10/25 07:37	07/15/25 15:16	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	1.2	mg/L	1.0	1		07/02/25 21:48	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	1.1	mg/L	1.0	1		07/08/25 03:53			

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch: 940117 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689001, 60477689002, 60477689003

METHOD BLANK: 3727297 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/30/25 12:12	

LABORATORY CONTROL SAMPLE: 3727298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3727299 3727300

Parameter	Units	60477289007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.4	4.3	88	85	70-130	4	20	

MATRIX SPIKE SAMPLE: 3727301

Parameter	Units	60477684003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	5	4.2	84	70-130	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch:	940450	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689005

METHOD BLANK: 3728537 Matrix: Water

Associated Lab Samples: 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	07/03/25 10:22	

LABORATORY CONTROL SAMPLE: 3728538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3728539 3728540

Parameter	Units	60477689005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.6	4.6	93	91	70-130	2	20	

MATRIX SPIKE SAMPLE: 3728541

Parameter	Units	60477709008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	5	5.0	100	70-130	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch:	940721	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689004

METHOD BLANK: 3729730 Matrix: Water

Associated Lab Samples: 60477689004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	07/07/25 09:31	

LABORATORY CONTROL SAMPLE: 3729731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3729732 3729733

Parameter	Units	60477875003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.45	5	5	5.1	5.0	93	91	70-130	2	20	

MATRIX SPIKE SAMPLE: 3729734

Parameter	Units	60477969001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	1.4	27	70-130	M1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939692	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3725487

Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	06/26/25 16:47	
Calcium	mg/L	<0.20	0.20	06/26/25 16:47	
Hardness, Total(SM 2340B)	mg/L	<0.50	0.50	06/26/25 16:47	
Magnesium	mg/L	<0.050	0.050	06/26/25 16:47	
Potassium	mg/L	<0.50	0.50	06/26/25 16:47	
Sodium	mg/L	<0.50	0.50	06/26/25 16:47	

LABORATORY CONTROL SAMPLE: 3725488

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.96	96	85-115	
Calcium	mg/L	10	10.4	104	85-115	
Hardness, Total(SM 2340B)	mg/L	66.2	68.0	103	85-115	
Magnesium	mg/L	10	10.2	102	85-115	
Potassium	mg/L	10	9.8	98	85-115	
Sodium	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725489 3725490

Parameter	Units	60477689002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	1.5	1	1	2.4	2.5	87	97	70-130	4	20	
Calcium	mg/L	21.2	10	10	30.3	31.2	90	100	70-130	3	20	
Hardness, Total(SM 2340B)	mg/L	110	66.2	66.2	169	176	90	100	70-130	4	20	
Magnesium	mg/L	13.8	10	10	22.8	23.7	90	99	70-130	4	20	
Potassium	mg/L	4.4	10	10	14.1	14.8	97	104	70-130	5	20	
Sodium	mg/L	333	10	10	329	339	-43	56	70-130	3	20	M1

MATRIX SPIKE SAMPLE: 3725491

Parameter	Units	60477779001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	ND	1	0.93	91	70-130	
Calcium	mg/L	84500 ug/L	10	89.5	50	70-130	M1
Hardness, Total(SM 2340B)	mg/L	268000 ug/L	66.2	316	73	70-130	
Magnesium	mg/L	13800 ug/L	10	22.5	87	70-130	
Potassium	mg/L	1080 ug/L	10	10.5	94	70-130	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

MATRIX SPIKE SAMPLE:		3725491					
Parameter	Units	60477779001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	mg/L	4440 ug/L	10	13.9	94	70-130	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939419	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3724702 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.050	0.050	07/08/25 17:10	

LABORATORY CONTROL SAMPLE: 3724703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.5	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724704 3724705

Parameter	Units	60477684004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	19.5	10	10	29.2	29.2	97	97	70-130	0	20	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939597	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005			

METHOD BLANK: 3725115

Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	0.081	0.050	07/02/25 11:10	
Iron	mg/L	<0.050	0.050	07/02/25 11:10	
Manganese	mg/L	<0.0010	0.0010	07/02/25 11:10	

LABORATORY CONTROL SAMPLE: 3725116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.0	102	85-115	
Iron	mg/L	1	1.0	101	85-115	
Manganese	mg/L	0.04	0.040	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725117 3725118

Parameter	Units	60477689001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	<0.050	1	1	1.1	1.1	106	105	70-130	1	20	
Iron	mg/L	0.40	1	1	1.3	1.3	86	86	70-130	0	20	
Manganese	mg/L	0.73	0.04	0.04	0.75	0.75	54	55	70-130	0	20 M1	

MATRIX SPIKE SAMPLE: 3725119

Parameter	Units	60477709006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	313 ug/L	1	1.4	104	70-130	
Iron	mg/L	222 ug/L	1	1.1	86	70-130	
Manganese	mg/L	31.4 ug/L	0.04	0.060	72	70-130	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch:	940682	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689003, 60477689004, 60477689005

METHOD BLANK: 3729461 Matrix: Water
Associated Lab Samples: 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	<0.050	0.050	07/07/25 10:22	

LABORATORY CONTROL SAMPLE: 3729462

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.0	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3729463 3729464

Parameter	Units	60477689003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	1.4	1	1	2.4	2.0	98	63	70-130	16	20	M1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch:	939420	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3724706 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	07/02/25 09:45	
Cobalt, Dissolved	mg/L	<0.0010	0.0010	07/02/25 09:45	
Iron, Dissolved	mg/L	<0.050	0.050	07/02/25 09:45	
Manganese, Dissolved	mg/L	<0.0010	0.0010	07/02/25 09:45	

LABORATORY CONTROL SAMPLE: 3724707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	101	85-115	
Cobalt, Dissolved	mg/L	0.04	0.038	95	85-115	
Iron, Dissolved	mg/L	1	1.0	104	85-115	
Manganese, Dissolved	mg/L	0.04	0.039	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724708 3724709

Parameter	Units	60477684005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.050	1	1	1.6	1.5	159	151	70-130	5	20	M1
Cobalt, Dissolved	mg/L	0.0065	0.04	0.04	0.053	0.053	116	116	70-130	0	20	
Iron, Dissolved	mg/L	<0.050	1	1	1.2	1.1	117	113	70-130	4	20	
Manganese, Dissolved	mg/L	1.2	0.04	0.04	1.3	1.2	9	-17	70-130	1	20	M1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939438	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3724761 Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	07/07/25 22:07	

LABORATORY CONTROL SAMPLE: 3724762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724763 3724764

Parameter	Units	60477684006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.068	1	1	1.0	1.0	98	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939784	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3725865 Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	20.0	06/25/25 17:15	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	20.0	06/25/25 17:15	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	20.0	06/25/25 17:15	

LABORATORY CONTROL SAMPLE: 3725866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	452	90	90-110	

SAMPLE DUPLICATE: 3725867

Parameter	Units	60477667006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	589	589	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	589	589	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3725868

Parameter	Units	60477689002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	688	691	0	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	688	691	0	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939899	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3726332 Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	06/26/25 16:20	

LABORATORY CONTROL SAMPLE: 3726333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	992	99	80-120	

SAMPLE DUPLICATE: 3726334

Parameter	Units	60476421003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	<5.0	<5.0		10	H1

SAMPLE DUPLICATE: 3726335

Parameter	Units	60477684005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9150	9220	1	10	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940073 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3727019 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	07/02/25 14:26	H6

LABORATORY CONTROL SAMPLE: 3727020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.1	103	90-110	H6

SAMPLE DUPLICATE: 3727021

Parameter	Units	60477684003 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	<0.20	<0.20		20	H6

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 939345

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689005

SAMPLE DUPLICATE: 3724455

Parameter	Units	60475366005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.2	1	5	H1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940296

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689002, 60477689003, 60477689004

SAMPLE DUPLICATE: 3728120

Parameter	Units	60477640001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	1	5	H1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940338

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001

SAMPLE DUPLICATE: 3728202

Parameter	Units	60477689001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H1

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 939821 Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3726012 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	06/26/25 14:49	

LABORATORY CONTROL SAMPLE: 3726013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.54	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3726015 3726016

Parameter	Units	60477635002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	ND	0.5	0.5	0.32	0.34	59	62	75-125	4	20	M1

SAMPLE DUPLICATE: 3726014

Parameter	Units	60477635002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	<0.050		20	

SAMPLE DUPLICATE: 3726017

Parameter	Units	60477684001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.050	<0.050		20	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	939382	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3724588

Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	06/21/25 17:19	
Nitrite as N	mg/L	<0.10	0.10	06/21/25 17:19	

LABORATORY CONTROL SAMPLE: 3724589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	4.3	108	90-110	
Nitrite as N	mg/L	4	4.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724590 3724591

Parameter	Units	60477689001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.10	2	2	1.2	1.3	57	62	80-120	8	15	M1
Nitrite as N	mg/L	<0.10	2	2	1.6	1.8	80	91	80-120	12	15	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch:	941219	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3731451

Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	07/10/25 09:29	
Fluoride	mg/L	<0.20	0.20	07/10/25 09:29	
Sulfate	mg/L	<1.0	1.0	07/10/25 09:29	

LABORATORY CONTROL SAMPLE: 3731452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.7	94	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3731453 3731454

Parameter	Units	60477684001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	35.8	50	50	77.8	79.5	84	87	80-120	2	15	
Fluoride	mg/L	0.30	2.5	2.5	2.4	2.4	85	85	80-120	1	15	
Sulfate	mg/L	70.4	50	50	115	119	89	98	80-120	4	15	

MATRIX SPIKE SAMPLE: 3731455

Parameter	Units	60477689004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	52.2	50	93.0	81	80-120	CL
Fluoride	mg/L	1.1	2.5	3.4	93	80-120	
Sulfate	mg/L	<1.0	5	5.4	94	80-120	CL

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940404

Analysis Method: EPA 365.4

QC Batch Method: EPA 365.4

Analysis Description: 365.4 Phosphorus

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001

METHOD BLANK: 3728425

Matrix: Water

Associated Lab Samples: 60477689001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	07/08/25 20:05	

LABORATORY CONTROL SAMPLE: 3728426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	6.0	120	80-120	

MATRIX SPIKE SAMPLE: 3728427

Parameter	Units	60477613002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.36	5	6.0	114	80-120	

MATRIX SPIKE SAMPLE: 3728429

Parameter	Units	60477636001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	38.8	25	63.5	99	80-120	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

QC Batch: 940512 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3728788 Matrix: Water
Associated Lab Samples: 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	07/15/25 15:04	

LABORATORY CONTROL SAMPLE: 3728789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.2	103	80-120	

MATRIX SPIKE SAMPLE: 3728790

Parameter	Units	60477915001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.66	5	5.9	105	80-120	

SAMPLE DUPLICATE: 3728791

Parameter	Units	60477915002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	1.4	1.0	30	10 D6	

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940584

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Total Organic Carbon

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3729118

Matrix: Water

Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	07/02/25 15:48	

LABORATORY CONTROL SAMPLE: 3729119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.8	116	80-120	

MATRIX SPIKE SAMPLE: 3729120

Parameter	Units	60477576002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.8	25	36.7	120	80-120	

SAMPLE DUPLICATE: 3729121

Parameter	Units	60477634003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	7.5	7.3	2	25	D3

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QUALITY CONTROL DATA

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

QC Batch: 940708 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

METHOD BLANK: 3729645 Matrix: Water
Associated Lab Samples: 60477689001, 60477689002, 60477689003, 60477689004, 60477689005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	07/07/25 23:36	

LABORATORY CONTROL SAMPLE: 3729646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	4.9	98	80-120	

MATRIX SPIKE SAMPLE: 3729647

Parameter	Units	60477684004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	5	4.2	72	80-120	M1

SAMPLE DUPLICATE: 3729648

Parameter	Units	60477684007 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	<1.0		25	

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QUALIFIERS

Project: LA CYGNE CCR WELLS-ADDITIONAL
Pace Project No.: 60477689

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
D9	Dissolved result is greater than the total. Data is within laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477689001	LAC-MW-6-062025	EPA 200.7	939692	EPA 200.7	939829
60477689002	LAC-MW-7-062025	EPA 200.7	939692	EPA 200.7	939829
60477689003	LAC-MW-701-062025	EPA 200.7	939692	EPA 200.7	939829
60477689004	LAC-MW-702-062025	EPA 200.7	939692	EPA 200.7	939829
60477689005	LAC-DUP2-062025	EPA 200.7	939692	EPA 200.7	939829
60477689001	LAC-MW-6-062025	EPA 200.7	939419	EPA 200.7	939576
60477689002	LAC-MW-7-062025	EPA 200.7	939419	EPA 200.7	939576
60477689003	LAC-MW-701-062025	EPA 200.7	939419	EPA 200.7	939576
60477689004	LAC-MW-702-062025	EPA 200.7	939419	EPA 200.7	939576
60477689005	LAC-DUP2-062025	EPA 200.7	939419	EPA 200.7	939576
60477689001	LAC-MW-6-062025	EPA 3010	939438	EPA 6010	939518
60477689002	LAC-MW-7-062025	EPA 3010	939438	EPA 6010	939518
60477689003	LAC-MW-701-062025	EPA 3010	939438	EPA 6010	939518
60477689004	LAC-MW-702-062025	EPA 3010	939438	EPA 6010	939518
60477689005	LAC-DUP2-062025	EPA 3010	939438	EPA 6010	939518
60477689001	LAC-MW-6-062025	EPA 200.8	939597	EPA 200.8	939664
60477689002	LAC-MW-7-062025	EPA 200.8	939597	EPA 200.8	939664
60477689003	LAC-MW-701-062025	EPA 200.8	939597	EPA 200.8	939664
60477689003	LAC-MW-701-062025	EPA 200.8	940682	EPA 200.8	940735
60477689004	LAC-MW-702-062025	EPA 200.8	939597	EPA 200.8	939664
60477689004	LAC-MW-702-062025	EPA 200.8	940682	EPA 200.8	940735
60477689005	LAC-DUP2-062025	EPA 200.8	939597	EPA 200.8	939664
60477689005	LAC-DUP2-062025	EPA 200.8	940682	EPA 200.8	940735
60477689001	LAC-MW-6-062025	EPA 200.8	939420	EPA 200.8	939575
60477689002	LAC-MW-7-062025	EPA 200.8	939420	EPA 200.8	939575
60477689003	LAC-MW-701-062025	EPA 200.8	939420	EPA 200.8	939575
60477689004	LAC-MW-702-062025	EPA 200.8	939420	EPA 200.8	939575
60477689005	LAC-DUP2-062025	EPA 200.8	939420	EPA 200.8	939575
60477689001	LAC-MW-6-062025	EPA 245.1	940117	EPA 245.1	940148
60477689002	LAC-MW-7-062025	EPA 245.1	940117	EPA 245.1	940148
60477689003	LAC-MW-701-062025	EPA 245.1	940117	EPA 245.1	940148
60477689004	LAC-MW-702-062025	EPA 245.1	940721	EPA 245.1	940760
60477689005	LAC-DUP2-062025	EPA 245.1	940450	EPA 245.1	940472
60477689001	LAC-MW-6-062025	SM 2320B	939784		
60477689002	LAC-MW-7-062025	SM 2320B	939784		
60477689003	LAC-MW-701-062025	SM 2320B	939784		
60477689004	LAC-MW-702-062025	SM 2320B	939784		
60477689005	LAC-DUP2-062025	SM 2320B	939784		
60477689001	LAC-MW-6-062025	SM 2540C	939899		
60477689002	LAC-MW-7-062025	SM 2540C	939899		
60477689003	LAC-MW-701-062025	SM 2540C	939899		
60477689004	LAC-MW-702-062025	SM 2540C	939899		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CYGNE CCR WELLS-ADDITIONAL

Pace Project No.: 60477689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477689005	LAC-DUP2-062025	SM 2540C	939899		
60477689001	LAC-MW-6-062025	SM 3500-Fe B#4	940073		
60477689002	LAC-MW-7-062025	SM 3500-Fe B#4	940073		
60477689003	LAC-MW-701-062025	SM 3500-Fe B#4	940073		
60477689004	LAC-MW-702-062025	SM 3500-Fe B#4	940073		
60477689005	LAC-DUP2-062025	SM 3500-Fe B#4	940073		
60477689001	LAC-MW-6-062025	SM 4500-H+B	940338		
60477689002	LAC-MW-7-062025	SM 4500-H+B	940296		
60477689003	LAC-MW-701-062025	SM 4500-H+B	940296		
60477689004	LAC-MW-702-062025	SM 4500-H+B	940296		
60477689005	LAC-DUP2-062025	SM 4500-H+B	939345		
60477689001	LAC-MW-6-062025	SM 4500-S-2 D	939821		
60477689002	LAC-MW-7-062025	SM 4500-S-2 D	939821		
60477689003	LAC-MW-701-062025	SM 4500-S-2 D	939821		
60477689004	LAC-MW-702-062025	SM 4500-S-2 D	939821		
60477689005	LAC-DUP2-062025	SM 4500-S-2 D	939821		
60477689001	LAC-MW-6-062025	EPA 300.0	939382		
60477689002	LAC-MW-7-062025	EPA 300.0	939382		
60477689003	LAC-MW-701-062025	EPA 300.0	939382		
60477689004	LAC-MW-702-062025	EPA 300.0	939382		
60477689005	LAC-DUP2-062025	EPA 300.0	939382		
60477689001	LAC-MW-6-062025	EPA 300.0	941219		
60477689002	LAC-MW-7-062025	EPA 300.0	941219		
60477689003	LAC-MW-701-062025	EPA 300.0	941219		
60477689004	LAC-MW-702-062025	EPA 300.0	941219		
60477689005	LAC-DUP2-062025	EPA 300.0	941219		
60477689001	LAC-MW-6-062025	EPA 365.4	940404	EPA 365.4	941229
60477689002	LAC-MW-7-062025	EPA 365.4	940512	EPA 365.4	941891
60477689003	LAC-MW-701-062025	EPA 365.4	940512	EPA 365.4	941891
60477689004	LAC-MW-702-062025	EPA 365.4	940512	EPA 365.4	941891
60477689005	LAC-DUP2-062025	EPA 365.4	940512	EPA 365.4	941891
60477689001	LAC-MW-6-062025	SM 5310C	940584		
60477689002	LAC-MW-7-062025	SM 5310C	940584		
60477689003	LAC-MW-701-062025	SM 5310C	940584		
60477689004	LAC-MW-702-062025	SM 5310C	940584		
60477689005	LAC-DUP2-062025	SM 5310C	940584		
60477689001	LAC-MW-6-062025	SM 5310C	940708		
60477689002	LAC-MW-7-062025	SM 5310C	940708		
60477689003	LAC-MW-701-062025	SM 5310C	940708		
60477689004	LAC-MW-702-062025	SM 5310C	940708		
60477689005	LAC-DUP2-062025	SM 5310C	940708		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-LENE-0009_Sample

Revision: 2

Effective Date: 01/12/2022

WO#: 60477689

Client Name: EvergyCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: B301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 4.2 Corr. Factor 10.1 Corrected 4.3Date and initials of person examining contents: DF 4/20

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	COOLER 2: 1.0
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	NOX
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	pH adjusted on BP3F; Sample: MW16
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:	<u>88728</u>	
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Pace® Location Requested (City/State):
Pace Analytical Kansas
9608 Loiret Blvd., Lenexa, KS 66219

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Evergy_Haley & Aldrich	Contact/Report To:	Jake Humphrey
Street Address:	818 S Kansas Avenue Topeka, KS 66612	Phone #:	(913)634-0605
		E-Mail:	jake.humphrey@evergy.com
		Cc E-Mail:	skaney@haleyaldrich.com
Customer Project #:			
Project Name:	La Cygne CCR Wells -Additional Analyses	Invoice To:	Lacygne-Evergy Payable
		Invoice E-Mail:	apinvoicing@evergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	3000222251
	Evergy La Cygne Generating Station	Quote #:	
Time Zone Collected:	☐ AK ☐ PT ☐ MT ☒ X CT ☐ ET	County / State origin of sample(s):	Kansas

Data Deliverables: ☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ No	
	Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other _____	
	DW PWSID # or WW Permit # as applicable: NA	
	Date Results Requested:	Field Filtered (if applicable): ☒ Yes ☐ No Analysis: Metals, Dissolved; DOC
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)		

[illegible]

Additional Instructions from Pace*: *Total Metals: 200.7 - B, Ca, Mg, Na, K, Hardness / 200.8 - Al, Fe, Mn, **Dissolved Metals: 200.7- Mg / 6010 - Li / 200.8 - Co, Fe, Al, Mn Anions: Cl, SO4	Collected By: (Printed Name) Jason R. Franks Signature: <i>Jason R. Franks</i>
---	---

Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / SCS	Date/Time: 06/20/2025 / 13:00	Received by/Company: (Signature) <i>Carmen June Pake</i>
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)



LAB USE ONLY- Affix Workorder/Login Label Here

00977689

Scan QR Code for instructions

[illegible]

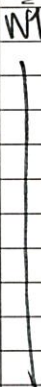
Customer Remarks / Special Conditions / Possible Hazards:					
# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
			4.2	4.3	
Date/Time: 6/20 13:58			Tracking Number:		
Date/Time:			Delivered by: ☐ In-Person ☐ Courier ☐ FedEx ☐ UPS ☐ Other		
Date/Time:					
Date/Time:			Page: 1 of 1		

Client: Evergh

Profile/EZ # EZ 326666665

Site: La Cygne CCR Wells - Additional Analysis

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1			3										2							1	2		1	1	1		1					
2			3										2							1	2		1	1	1		1					
3			3										2							1	2		1	1	1		1					
4			3										2							1	2		1	1	1		1					
5			3										2							1	2		1	1	1		1					
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

00977689



July 17, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La cygne CCR RAD
Pace Project No.: 60477691

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

A handwritten signature in black ink that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La cygne CCR RAD

Pace Project No.: 60477691

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477691001	LAC-MW-6-062025	Water	06/20/25 10:05	06/20/25 14:02
60477691002	LAC-MW-7-062025	Water	06/20/25 10:40	06/20/25 14:02
60477691003	LAC-MW-13-061825	Water	06/18/25 14:25	06/20/25 14:02
60477691004	LAC-MW-14R-061825	Water	06/18/25 12:25	06/20/25 14:02
60477691005	LAC-MW-15-061825	Water	06/18/25 16:35	06/20/25 14:02
60477691006	LAC-MW-601-061825	Water	06/18/25 17:30	06/20/25 14:02
60477691007	LAC-MW-602-061825	Water	06/18/25 13:25	06/20/25 14:02
60477691008	LAC-MW-701-062025	Water	06/20/25 08:45	06/20/25 14:02
60477691009	LAC-MW-702-062025	Water	06/20/25 08:50	06/20/25 14:02
60477691010	LAC-MW-703-061925	Water	06/19/25 16:45	06/20/25 14:02
60477691011	LAC-MW-704-061925	Water	06/19/25 15:15	06/20/25 14:02
60477691012	LAC-MW-705-061925	Water	06/19/25 13:20	06/20/25 14:02
60477691013	LAC-MW-706-061925	Water	06/19/25 12:15	06/20/25 14:02
60477691014	LAC-MW-707B-061925	Water	06/19/25 10:10	06/20/25 14:02
60477691015	LAC-MW-708-061825	Water	06/18/25 14:10	06/20/25 14:02
60477691016	LAC-MW-801-061825	Water	06/18/25 12:40	06/20/25 14:02
60477691017	LAC-MW-802-061825	Water	06/18/25 11:30	06/20/25 14:02
60477691018	LAC-MW-804-061825	Water	06/18/25 09:25	06/20/25 14:02
60477691019	LAC-MW-805-061725	Water	06/17/25 13:30	06/20/25 14:02
60477691020	LAC-TW-1-061925	Water	06/19/25 11:15	06/20/25 14:02
60477691021	LAC-DUP1-061725	Water	06/17/25 13:30	06/20/25 14:02
60477691022	LAC-DUP2-062025	Water	06/20/25 08:45	06/20/25 14:02

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La cygne CCR RAD

Pace Project No.: 60477691

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477691001	LAC-MW-6-062025	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691002	LAC-MW-7-062025	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691003	LAC-MW-13-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691004	LAC-MW-14R-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691005	LAC-MW-15-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691006	LAC-MW-601-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691007	LAC-MW-602-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691008	LAC-MW-701-062025	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691009	LAC-MW-702-062025	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691010	LAC-MW-703-061925	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691011	LAC-MW-704-061925	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691012	LAC-MW-705-061925	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691013	LAC-MW-706-061925	EPA 903.1	LL1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La cygne CCR RAD

Pace Project No.: 60477691

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477691014	LAC-MW-707B-061925	EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
60477691015	LAC-MW-708-061825	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691016	LAC-MW-801-061825	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	LL1	1	PASI-PA
60477691017	LAC-MW-802-061825	EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
60477691018	LAC-MW-804-061825	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691019	LAC-MW-805-061725	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
60477691020	LAC-TW-1-061925	EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
60477691021	LAC-DUP1-061725	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60477691022	LAC-DUP2-062025	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La cygne CCR RAD

Pace Project No.: 60477691

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Evergy_Haley & Aldrich

Date: July 17, 2025

General Information:

22 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La cygne CCR RAD

Pace Project No.: 60477691

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Evergy_Haley & Aldrich

Date: July 17, 2025

General Information:

22 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La cygne CCR RAD

Pace Project No.: 60477691

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Evergy_Haley & Aldrich

Date: July 17, 2025

General Information:

22 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-6-062025 Lab ID: 60477691001 Collected: 06/20/25 10:05 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.392 ± 0.800 (1.58) C:NA T:90%	pCi/L	07/14/25 14:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.13 ± 0.591 (1.09) C:76% T:82%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.13 ± 0.995 (1.58)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-7-062025 Lab ID: 60477691002 Collected: 06/20/25 10:40 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.759 ± 0.789 (1.27) C:NA T:93%	pCi/L	07/14/25 14:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.680 ± 0.419 (0.782) C:74% T:91%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.44 ± 0.893 (1.27)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-13-061825 Lab ID: 60477691003 Collected: 06/18/25 14:25 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.299 ± 0.788 (1.55) C:NA T:95%	pCi/L	07/14/25 14:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.465 ± 0.361 (0.706) C:78% T:85%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.465 ± 0.867 (1.55)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-14R-061825 Lab ID: 60477691004 Collected: 06/18/25 12:25 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.0579 ± 0.652 (1.27) C:NA T:92%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.514 ± 0.378 (0.728) C:74% T:87%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.514 ± 0.754 (1.27)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-15-061825 Lab ID: 60477691005 Collected: 06/18/25 16:35 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.126 ± 0.605 (1.14) C:NA T:90%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.657 ± 0.420 (0.781) C:74% T:82%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.783 ± 0.736 (1.14)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-601-061825 Lab ID: 60477691006 Collected: 06/18/25 17:30 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.489 ± 0.700 (1.47) C:NA T:92%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.600 ± 0.473 (0.938) C:63% T:89%	pCi/L	07/15/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.600 ± 0.845 (1.47)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-602-061825 Lab ID: 60477691007 Collected: 06/18/25 13:25 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.117 ± 0.586 (1.18) C:NA T:94%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.532 ± 0.370 (0.703) C:77% T:85%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.532 ± 0.693 (1.18)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-701-062025 Lab ID: 60477691008 Collected: 06/20/25 08:45 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.485 ± 0.770 (1.32) C:NA T:97%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.818 ± 0.383 (0.632) C:82% T:88%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.30 ± 0.860 (1.32)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-702-062025 Lab ID: 60477691009 Collected: 06/20/25 08:50 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.162 ± 0.610 (1.12) C:NA T:96%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.18 ± 0.570 (1.01) C:78% T:87%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.34 ± 0.835 (1.12)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-703-061925 Lab ID: 60477691010 Collected: 06/19/25 16:45 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.94 ± 1.09 (1.56) C:NA T:93%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.82 ± 0.682 (1.06) C:71% T:85%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.76 ± 1.29 (1.56)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-704-061925 Lab ID: 60477691011 Collected: 06/19/25 15:15 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.318 ± 1.04 (1.84) C:NA T:86%	pCi/L	07/14/25 15:10	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.38 ± 0.600 (1.00) C:77% T:83%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.70 ± 1.20 (1.84)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-705-061925 Lab ID: 60477691012 Collected: 06/19/25 13:20 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.492 ± 0.445 (1.06) C:NA T:95%	pCi/L	07/14/25 15:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.815 ± 0.516 (0.985) C:76% T:90%	pCi/L	07/15/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.815 ± 0.681 (1.06)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-706-061925 Lab ID: 60477691013 Collected: 06/19/25 12:15 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.164 ± 0.667 (1.22) C:NA T:93%	pCi/L	07/14/25 15:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.595 ± 0.484 (0.969) C:79% T:87%	pCi/L	07/15/25 14:38	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.759 ± 0.824 (1.22)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-707B-061925 Lab ID: 60477691014 Collected: 06/19/25 10:10 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.454 ± 0.650 (1.10) C:NA T:95%	pCi/L	07/14/25 15:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.450 ± 0.416 (0.854) C:83% T:88%	pCi/L	07/15/25 14:38	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.904 ± 0.772 (1.10)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-708-061825 Lab ID: 60477691015 Collected: 06/18/25 14:10 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.579 ± 0.938 (1.61) C:NA T:92%	pCi/L	07/14/25 15:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.810 ± 0.418 (0.736) C:81% T:90%	pCi/L	07/15/25 14:38	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.39 ± 1.03 (1.61)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-801-061825 Lab ID: 60477691016 Collected: 06/18/25 12:40 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.573 ± 0.677 (1.12) C:NA T:94%	pCi/L	07/14/25 15:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.756 ± 0.405 (0.720) C:80% T:88%	pCi/L	07/15/25 14:38	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.33 ± 0.789 (1.12)	pCi/L	07/16/25 08:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-802-061825 Lab ID: 60477691017 Collected: 06/18/25 11:30 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.416 ± 0.746 (1.30) C:NA T:95%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.16 ± 0.542 (0.951) C:74% T:90%	pCi/L	07/14/25 12:33	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.58 ± 0.922 (1.30)	pCi/L	07/17/25 13:30	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-804-061825 Lab ID: 60477691018 Collected: 06/18/25 09:25 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.0584 ± 0.732 (1.40) C:NA T:94%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.621 ± 0.491 (0.992) C:75% T:85%	pCi/L	07/14/25 12:33	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.621 ± 0.881 (1.40)	pCi/L	07/17/25 13:30	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-MW-805-061725 Lab ID: 60477691019 Collected: 06/17/25 13:30 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.476 ± 0.743 (1.27) C:NA T:97%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.25 ± 0.533 (0.901) C:78% T:91%	pCi/L	07/14/25 12:34	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.73 ± 0.914 (1.27)	pCi/L	07/17/25 13:30	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-TW-1-061925 Lab ID: 60477691020 Collected: 06/19/25 11:15 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.118 ± 0.800 (1.53) C:NA T:93%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.889 ± 0.465 (0.843) C:74% T:94%	pCi/L	07/14/25 12:34	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.889 ± 0.925 (1.53)	pCi/L	07/17/25 13:30	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-DUP1-061725 Lab ID: 60477691021 Collected: 06/17/25 13:30 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.948 ± 0.761 (1.64) C:NA T:94%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.68 ± 0.581 (0.848) C:76% T:93%	pCi/L	07/14/25 12:34	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.68 ± 0.957 (1.64)	pCi/L	07/17/25 13:30	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

Sample: LAC-DUP2-062025 Lab ID: 60477691022 Collected: 06/20/25 08:45 Received: 06/20/25 14:02 Matrix: Water

PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.09 ± 0.997 (1.60) C:NA T:92%	pCi/L	07/15/25 16:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.513 ± 0.452 (0.920) C:79% T:87%	pCi/L	07/14/25 12:34	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.60 ± 1.09 (1.60)	pCi/L	07/17/25 13:30	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

QC Batch:	754891	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 60477691017, 60477691018, 60477691019, 60477691020, 60477691021, 60477691022

METHOD BLANK:	3678201	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 60477691017, 60477691018, 60477691019, 60477691020, 60477691021, 60477691022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.645 ± 0.394 (0.734) C:74% T:93%	pCi/L	07/14/25 12:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La cygne CCR RAD
Pace Project No.: 60477691

QC Batch:	754888	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60477691001, 60477691002, 60477691003, 60477691004, 60477691005, 60477691006, 60477691007, 60477691008, 60477691009, 60477691010, 60477691011, 60477691012, 60477691013, 60477691014, 60477691015, 60477691016		

METHOD BLANK:	3678196	Matrix:	Water
Associated Lab Samples:	60477691001, 60477691002, 60477691003, 60477691004, 60477691005, 60477691006, 60477691007, 60477691008, 60477691009, 60477691010, 60477691011, 60477691012, 60477691013, 60477691014, 60477691015, 60477691016		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.291 ± 0.321 (0.669) C:79% T:91%	pCi/L	07/15/25 14:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La cygne CCR RAD
Pace Project No.: 60477691

QC Batch:	754887	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60477691001, 60477691002, 60477691003, 60477691004, 60477691005, 60477691006, 60477691007, 60477691008, 60477691009, 60477691010, 60477691011, 60477691012, 60477691013, 60477691014, 60477691015, 60477691016		

METHOD BLANK:	3678195	Matrix:	Water
Associated Lab Samples:	60477691001, 60477691002, 60477691003, 60477691004, 60477691005, 60477691006, 60477691007, 60477691008, 60477691009, 60477691010, 60477691011, 60477691012, 60477691013, 60477691014, 60477691015, 60477691016		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0846 ± 0.332 (0.704) C:NA T:96%	pCi/L	07/14/25 14:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: La cygne CCR RAD

Pace Project No.: 60477691

QC Batch: 754889

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 60477691017, 60477691018, 60477691019, 60477691020, 60477691021, 60477691022

METHOD BLANK: 3678197

Matrix: Water

Associated Lab Samples: 60477691017, 60477691018, 60477691019, 60477691020, 60477691021, 60477691022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0841 ± 0.436 (0.872) C:NA T:96%	pCi/L	07/15/25 16:00	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: La cygne CCR RAD
Pace Project No.: 60477691

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La cygne CCR RAD

Pace Project No.: 60477691

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477691001	LAC-MW-6-062025	EPA 903.1	754887		
60477691002	LAC-MW-7-062025	EPA 903.1	754887		
60477691003	LAC-MW-13-061825	EPA 903.1	754887		
60477691004	LAC-MW-14R-061825	EPA 903.1	754887		
60477691005	LAC-MW-15-061825	EPA 903.1	754887		
60477691006	LAC-MW-601-061825	EPA 903.1	754887		
60477691007	LAC-MW-602-061825	EPA 903.1	754887		
60477691008	LAC-MW-701-062025	EPA 903.1	754887		
60477691009	LAC-MW-702-062025	EPA 903.1	754887		
60477691010	LAC-MW-703-061925	EPA 903.1	754887		
60477691011	LAC-MW-704-061925	EPA 903.1	754887		
60477691012	LAC-MW-705-061925	EPA 903.1	754887		
60477691013	LAC-MW-706-061925	EPA 903.1	754887		
60477691014	LAC-MW-707B-061925	EPA 903.1	754887		
60477691015	LAC-MW-708-061825	EPA 903.1	754887		
60477691016	LAC-MW-801-061825	EPA 903.1	754887		
60477691017	LAC-MW-802-061825	EPA 903.1	754889		
60477691018	LAC-MW-804-061825	EPA 903.1	754889		
60477691019	LAC-MW-805-061725	EPA 903.1	754889		
60477691020	LAC-TW-1-061925	EPA 903.1	754889		
60477691021	LAC-DUP1-061725	EPA 903.1	754889		
60477691022	LAC-DUP2-062025	EPA 903.1	754889		
60477691001	LAC-MW-6-062025	EPA 904.0	754888		
60477691002	LAC-MW-7-062025	EPA 904.0	754888		
60477691003	LAC-MW-13-061825	EPA 904.0	754888		
60477691004	LAC-MW-14R-061825	EPA 904.0	754888		
60477691005	LAC-MW-15-061825	EPA 904.0	754888		
60477691006	LAC-MW-601-061825	EPA 904.0	754888		
60477691007	LAC-MW-602-061825	EPA 904.0	754888		
60477691008	LAC-MW-701-062025	EPA 904.0	754888		
60477691009	LAC-MW-702-062025	EPA 904.0	754888		
60477691010	LAC-MW-703-061925	EPA 904.0	754888		
60477691011	LAC-MW-704-061925	EPA 904.0	754888		
60477691012	LAC-MW-705-061925	EPA 904.0	754888		
60477691013	LAC-MW-706-061925	EPA 904.0	754888		
60477691014	LAC-MW-707B-061925	EPA 904.0	754888		
60477691015	LAC-MW-708-061825	EPA 904.0	754888		
60477691016	LAC-MW-801-061825	EPA 904.0	754888		
60477691017	LAC-MW-802-061825	EPA 904.0	754891		
60477691018	LAC-MW-804-061825	EPA 904.0	754891		
60477691019	LAC-MW-805-061725	EPA 904.0	754891		
60477691020	LAC-TW-1-061925	EPA 904.0	754891		
60477691021	LAC-DUP1-061725	EPA 904.0	754891		
60477691022	LAC-DUP2-062025	EPA 904.0	754891		
60477691001	LAC-MW-6-062025	Total Radium Calculation	758351		
60477691002	LAC-MW-7-062025	Total Radium Calculation	758351		
60477691003	LAC-MW-13-061825	Total Radium Calculation	758351		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La cygne CCR RAD

Pace Project No.: 60477691

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477691004	LAC-MW-14R-061825	Total Radium Calculation	758351		
60477691005	LAC-MW-15-061825	Total Radium Calculation	758351		
60477691006	LAC-MW-601-061825	Total Radium Calculation	758351		
60477691007	LAC-MW-602-061825	Total Radium Calculation	758351		
60477691008	LAC-MW-701-062025	Total Radium Calculation	758351		
60477691009	LAC-MW-702-062025	Total Radium Calculation	758351		
60477691010	LAC-MW-703-061925	Total Radium Calculation	758351		
60477691011	LAC-MW-704-061925	Total Radium Calculation	758351		
60477691012	LAC-MW-705-061925	Total Radium Calculation	758351		
60477691013	LAC-MW-706-061925	Total Radium Calculation	758351		
60477691014	LAC-MW-707B-061925	Total Radium Calculation	758351		
60477691015	LAC-MW-708-061825	Total Radium Calculation	758351		
60477691016	LAC-MW-801-061825	Total Radium Calculation	758351		
60477691017	LAC-MW-802-061825	Total Radium Calculation	758760		
60477691018	LAC-MW-804-061825	Total Radium Calculation	758760		
60477691019	LAC-MW-805-061725	Total Radium Calculation	758760		
60477691020	LAC-TW-1-061925	Total Radium Calculation	758760		
60477691021	LAC-DUP1-061725	Total Radium Calculation	758760		
60477691022	LAC-DUP2-062025	Total Radium Calculation	758760		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-LENE-0009_Sample

Revision: 2

Effective Date: 01/12/2022

WO#: 60477691



60477691

Issued By: Lene...

Client Name: EvergyCourier: FedEx ☐ UPS ☐ VTA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐Thermometer Used: T301 Type of Ice: Wet ☐ Blue ☒ None ☐Cooler Temperature (°C): As-read 29.6 Corr. Factor 10.1 Corrected 29.7Date and initials of person
examining contents: DF 4/20

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	Cooler 2: 29.3 3: 20.4 4: 23.2
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☐ No ☒ N/A	
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#: <u>96888</u>	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

1/3

Client:

Evergy

Profile/EZ #

EZ 3266666-9

Site:

La Cygne CCP Rad

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																					2										
2																						2										
3																						2										
4																						2										
5																						2										
6																						2										
7																						2										
8																						2										
9																						2										
10																						2										
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered		
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	WT	Water
BG3U	250mL unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	SL	Solid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	NAL	Non-aqueous Liquid
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	OL	OIL
				BP4U	125mL unpreserved plastic	WP	Wipe
				BP4N	125mL HNO3 plastic	DW	Drinking Water
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Num

WO# : 60477691

PM: AS

Due Date: 07/08/25

CLIENT: Evergy_Haley

2/3

Client: Evergny

Profile/EZ # E2 32444444-1

Site: La Cygne CCP Rad

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	WT																					2											
2																						2											
3																						2											
4																						2											
5																						2											
6																						2											
7																						2											
8																							2										
9																							2										
10																							2										
11																																	
12																																	

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

00477691

3/3

Client:

Evergy

Profile/EZ #

EZ 326666664

Site:

La Cygne CCR Rad

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	WT																					2											
2																						2											
3																						2											
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60477691

☐ Samples Pre-Logged into eCOC

Cert. Needed: ☒ Yes

☐ No

6/20/2025

Results Requested By: 7/8/2025

Workorder Name: La cygne CCR RAD

Subcontract To

Requested Analysis

Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2,3, & 4
Greensburg, PA 15601
Phone (724)850-5600

Radium 226

Radium 228 and combined

Preserved Containers

LAB USE ONLY

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3	Preserved Containers						R	Radium																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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WO# : 30790349



State Of Origin: KS
 Cert. Needed: ☒ Yes ☐ No
 Owner Received Date: 6/20/2025


Page 16 of 50

Workorder Name: La cygne CCR RAD

Owner Received Date: 6/20/2025 Results Requested By: 7/8/2025

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO#: 30790349
PM: CMC Due Date: 07/22/25
CLIENT: PACE_60_LEKS

	DC#_Title: ENV-FRM-GBUR-0088 v09_Sample Condition Upon Receipt- Greensburg		WO#: 30790349	
	Effective Date: 06/24/2025		PM: CMC Due Date: 07/22/25 CLIENT: PACE_60_LEKS	
Client Name: <u>Pace Kansas</u>			Project: _____	
Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other			Initial / Date	
Tracking Number: <u>4453 8933 4716</u>			Examined By: <u>MS 6/26/25</u>	
Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No			Labeled By: <u>MS 6/26/25</u>	
Therm. Used: _____ Type of Ice: Wet Blue <u>None</u>			Temped By: _____	
Cooler Temp: _____ Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C				
Temp should be above freezing to 6°C				

Comments:	Yes	No	NA	pH paper Lot# <u>10D43241</u>	D.P.D. Residual Chlorine Lot # _____
Chain of Custody Present	✓			1.	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓			
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:		✓		4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: _____					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓	✗		10.	
-Pace Containers Used	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dechlorination			✓	14.	
Filtered volume received for dissolved tests:			✓	15.	
Cr6+, Orthophosphate, DOC, Metals					
All containers checked for preservation:	✓			16.	
exceptions: VOA, coliform, TOC, O&G, TOX, LL Hg , Radon, non-aqueous matrix					
All containers meet method preservation requirements:	✓			Initial when completed <u>MS</u>	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Radon: Headspace in RAD Vials (0mm)			✓	19.	
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed <u>MS</u>	Date: <u>6/26/25</u> Survey Meter SN: <u>25014380</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: JJS1
Date: 7/9/2025
Worklist: 85909
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3678196
MB concentration: 0.291
MB 2 Sigma CSU: 0.321
MB MDC: 0.669
MB Numerical Performance Indicator: 1.77
MB Status vs Numerical Indicator: Pass
MB Status vs. MDC: Pass

Laboratory Control Sample Assessment

	LCSD (Y or N)?	Y
	LCS85909	LCS85909
Count Date:	7/15/2025	7/15/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.925	31.925
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.817
Target Conc. (pCi/L, g, F):	3.901	3.910
Uncertainty (Calculated):	0.191	0.192
Result (pCi/L, g, F):	3.341	2.997
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.819	0.773
Numerical Performance Indicator:	-1.31	-2.25
Percent Recovery:	85.65%	76.65%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment

	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment

Sample I.D.:	LCS85909	Enter Duplicate
Duplicate Sample I.D.:	LCS85909	sample IDs if
Sample Result (pCi/L, g, F):	3.341	other than
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.819	LCS/LCSD in
Sample Duplicate Result (pCi/L, g, F):	2.997	the space below.
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.773	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.599	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.09%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
MS/MSD Duplicate Status vs Numerical Indicator:	
MS/MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

7/16/25

7-16-25
JJS



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: ZPC
Date: 7/9/2025
Worklist: 85911
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3678201
MB concentration:	0.645
M/B 2 Sigma CSU:	0.394
MB MDC:	0.734
MB Numerical Performance Indicator:	3.21
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS (Y or N)?	Y
	LCS85911	LCS85911
Count Date:	7/14/2025	7/14/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.935	31.935
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.819
Target Conc. (pCi/L, g, F):	3.908	3.898
Uncertainty (Calculated):	0.191	0.191
Result (pCi/L, g, F):	2.612	2.951
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.716	0.765
Numerical Performance Indicator:	-3.43	-2.36
Percent Recovery:	66.84%	75.70%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment	
Sample I.D.:	LCS85911
Duplicate Sample I.D.:	LCS85911
Sample Result (pCi/L, g, F):	2.612
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.716
Sample Duplicate Result (pCi/L, g, F):	2.951
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.765
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.635
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	12.44%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.

MB passes vs MDC
UAL 7/15/25

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.



Test: Ra-226
Analyst: TMY
Date: 7/3/2025
Batch ID: 85910
Matrix: WT

Method Blank Assessment	
MB Sample ID	3678197
MB concentration:	-0.084
M/B 2 Sigma CSU:	0.436
MB MDC:	0.872
MB Numerical Performance Indicator:	-0.38
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	
Count Date:	7/15/2025
Spike I.D.:	LCSD85910
Spike Concentration (pCi/mL):	31.829
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.650
Target Conc. (pCi/L, g, F):	4.865
Uncertainty (Calculated):	0.230
Result (pCi/L, g, F):	5.083
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.260
Numerical Performance Indicator:	0.29
Percent Recovery:	103.81%
Status vs Numerical Indicator:	Pass
Status vs Recovery:	N/A
Upper % Recovery Limits:	133%
Lower % Recovery Limits:	73%

Duplicate Sample Assessment	
Sample I.D.:	LCS85910
Duplicate Sample I.D.:	LCS85910
Sample Result (pCi/L, g, F):	5.083
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.260
Sample Duplicate Result (pCi/L, g, F):	3.410
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.983
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	2.052
Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	Warning
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	32%

MS/MSD 1	Sample Matrix Spike Control Assessment
Sample Collection Date:	
Sample I.D.	
Sample MSD I.D.	
Spike I.D.:	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	
Spike Volume Used in MS (mL):	
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	
MS Target Conc.(pCi/L, g, F):	
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
MS Spike Uncertainty (calculated):	
MSD Spike Uncertainty (calculated):	
Sample Result:	
Sample Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	
MSD Numerical Performance Indicator:	
MS Percent Recovery:	
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	
MSD Status vs Recovery:	
MS/MSD Upper % Recovery Limits:	
MS/MSD Lower % Recovery Limits:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
MS/MSD Duplicate Status vs Numerical Indicator:	
MS/MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

W 071625
TY 7-15-25



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: LL1
Date: 7/3/2025
Batch ID: 85908
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3678195	
MB concentration:	-0.085	
M/B 2 Sigma CSU:	0.332	
MB MDC:	0.704	
MB Numerical Performance Indicator:	-0.50	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

	LCS (Y or N)?	Y
	LCS85908	LCS85908
Count Date:	7/14/2025	7/14/2025
Spike I.D.:	24-046	24-046
Spike Concentration (pCi/mL):	31.829	31.829
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.655	0.659
Target Conc. (pCi/L, g, F):	4.863	4.831
Uncertainty (Calculated):	0.229	0.227
Result (pCi/L, g, F):	5.015	4.958
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.265	1.201
Numerical Performance Indicator:	0.23	0.20
Percent Recovery:	103.13%	102.63%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Duplicate Sample Assessment		
Sample I.D.:	LCS85908	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCS85908	
Sample Result (pCi/L, g, F):	5.015	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.265	
Sample Duplicate Result (pCi/L, g, F):	4.958	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.201	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.064	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	0.48%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

74 7-14-25

W 071425



July 16, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

A handwritten signature in cursive script that reads "Alice Spiller".

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60477709001	LAC-MW-6-062025	Water	06/20/25 10:05	06/20/25 13:56
60477709002	LAC-MW-7-062025	Water	06/20/25 10:40	06/20/25 13:56
60477709003	LAC-MW-13-061825	Water	06/18/25 14:25	06/20/25 13:56
60477709004	LAC-MW-14R-061825	Water	06/18/25 12:25	06/20/25 13:56
60477709005	LAC-MW-15-061825	Water	06/18/25 16:35	06/20/25 13:56
60477709006	LAC-MW-601-061825	Water	06/18/25 17:30	06/20/25 13:56
60477709007	LAC-MW-602-061825	Water	06/18/25 13:25	06/20/25 13:56
60477709008	LAC-MW-701-062025	Water	06/20/25 08:45	06/20/25 13:56
60477709009	LAC-MW-702-062025	Water	06/20/25 08:50	06/20/25 13:56
60477709010	LAC-MW-703-061925	Water	06/19/25 16:45	06/20/25 13:56
60477709011	LAC-MW-704-061925	Water	06/19/25 15:15	06/20/25 13:56
60477709012	LAC-MW-705-061925	Water	06/19/25 13:20	06/20/25 13:56
60477709013	LAC-MW-706-061925	Water	06/19/25 12:15	06/20/25 13:56
60477709014	LAC-MW-707B-061925	Water	06/19/25 10:10	06/20/25 13:56
60477709015	LAC-MW-708-061825	Water	06/18/25 14:10	06/20/25 13:56
60477709016	LAC-MW-801-061825	Water	06/18/25 12:40	06/20/25 13:56
60477709017	LAC-MW-802-061825	Water	06/18/25 11:30	06/20/25 13:56
60477709018	LAC-MW-803-061825	Water	06/18/25 10:25	06/20/25 13:56
60477709019	LAC-MW-804-061825	Water	06/18/25 09:25	06/20/25 13:56
60477709020	LAC-MW-805-061725	Water	06/17/25 13:30	06/20/25 13:56
60477709021	LAC-TW-1-061925	Water	06/19/25 11:15	06/20/25 13:56
60477709022	LAC-DUP1-061725	Water	06/17/25 13:30	06/20/25 13:56
60477709023	LAC-DUP2-062025	Water	06/20/25 08:45	06/20/25 13:56

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477709001	LAC-MW-6-062025	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709002	LAC-MW-7-062025	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709003	LAC-MW-13-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709004	LAC-MW-14R-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709005	LAC-MW-15-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709006	LAC-MW-601-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709007	LAC-MW-602-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709008	LAC-MW-701-062025	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709009	LAC-MW-702-062025	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709010	LAC-MW-703-061925	EPA 6010	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477709011	LAC-MW-704-061925	EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
60477709012	LAC-MW-705-061925	EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
60477709013	LAC-MW-706-061925	EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709014	LAC-MW-707B-061925	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
60477709015	LAC-MW-708-061825	EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
60477709016	LAC-MW-801-061825	EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
60477709017	LAC-MW-802-061825	EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709018	LAC-MW-803-061825	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
60477709019	LAC-MW-804-061825	EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60477709020	LAC-MW-805-061725	EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
60477709021	LAC-TW-1-061925	EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
60477709022	LAC-DUP1-061725	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
60477709023	LAC-DUP2-062025	EPA 200.8	JGP	11	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 300.0	MLD	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	JGP	11	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

Method: EPA 6010
Description: 6010 MET ICP
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

23 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

23 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 939597

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477689001,60477709006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3725119)
- Chromium

QC Batch: 939598

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60477709011,60477709021

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3725122)
- Chromium
- MSD (Lab ID: 3725123)
- Chromium

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: July 16, 2025

Analyte Comments:

QC Batch: 939598

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- LAC-MW-707B-061925 (Lab ID: 60477709014)

- Lead, Total Recoverable

- Thallium, Total Recoverable

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

23 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Evergy_Haley & Aldrich
Date: July 16, 2025

General Information:

23 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-6-062025		Lab ID: 60477709001	Collected: 06/20/25 10:05	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.045	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:37	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-36-0	
Arsenic, Total Recoverable	0.0048	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-38-2	
Barium, Total Recoverable	0.17	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:45	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:45	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-47-3	
Cobalt, Total Recoverable	0.0066	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7439-92-1	
Molybdenum, Total Recoverable	0.0013	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:45	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:33	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	<0.20	mg/L	0.20	1		07/10/25 17:46	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-7-062025		Lab ID: 60477709002	Collected: 06/20/25 10:40	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.071	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:39	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-36-0	
Arsenic, Total Recoverable	0.0019	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-38-2	
Barium, Total Recoverable	0.46	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:48	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:48	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7439-92-1	
Molybdenum, Total Recoverable	0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:48	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:40	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	0.62	mg/L	0.20	1		07/10/25 18:12	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-13-061825		Lab ID: 60477709003		Collected: 06/18/25 14:25		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.052	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:41	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-38-2		
Barium, Total Recoverable	0.015	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:55	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:55	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:55	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:42	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	<0.20	mg/L	0.20	1		07/10/25 18:38	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-14R-061825		Lab ID: 60477709004		Collected: 06/18/25 12:25		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.039	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:48	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-38-2		
Barium, Total Recoverable	0.036	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:58	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 11:58	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 11:58	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:44	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	<0.20	mg/L	0.20	1		07/10/25 19:05	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-15-061825		Lab ID: 60477709005	Collected: 06/18/25 16:35	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.022	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:50	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-36-0	
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-38-2	
Barium, Total Recoverable	0.045	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:01	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:01	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:01	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:47	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	<0.20	mg/L	0.20	1		07/10/25 19:57	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-601-061825		Lab ID: 60477709006	Collected: 06/18/25 17:30	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.069	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:52	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-36-0	
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-38-2	
Barium, Total Recoverable	0.12	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:09	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:09	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-47-3	M1
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:09	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:49	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	0.94	mg/L	0.20	1		07/10/25 20:23	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-602-061825		Lab ID: 60477709007		Collected: 06/18/25 13:25		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.056	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:54	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-38-2		
Barium, Total Recoverable	0.089	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:15	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:15	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:15	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:51	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.63	mg/L	0.20	1		07/10/25 20:49	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-701-062025		Lab ID: 60477709008		Collected: 06/20/25 08:45		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.048	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:55	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-36-0		
Arsenic, Total Recoverable	0.0016	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-38-2		
Barium, Total Recoverable	0.21	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:22	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:22	7440-43-9		
Chromium, Total Recoverable	0.0027	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-47-3		
Cobalt, Total Recoverable	0.0012	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:22	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:54	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.21	mg/L	0.20	1		07/10/25 21:17	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-702-062025		Lab ID: 60477709009		Collected: 06/20/25 08:50		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.058	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:57	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-38-2		
Barium, Total Recoverable	0.40	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:25	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:25	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:25	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 10:58	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	1.0	mg/L	0.20	1		07/10/25 21:44	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-703-061925		Lab ID: 60477709010		Collected: 06/19/25 16:45		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.041	mg/L	0.010	1	06/23/25 13:14	07/08/25 15:59	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-38-2		
Barium, Total Recoverable	0.29	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:28	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:18	07/02/25 12:28	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:18	07/02/25 12:28	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:00	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.50	mg/L	0.20	1		07/11/25 23:21	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-704-061925		Lab ID: 60477709011		Collected: 06/19/25 15:15		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.10	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-36-0	M1	
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-38-2		
Barium, Total Recoverable	0.053	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:41	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:41	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7439-92-1		
Molybdenum, Total Recoverable	0.0029	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:41	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:07	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.52	mg/L	0.20	1		07/12/25 00:00	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-705-061925		Lab ID: 60477709012		Collected: 06/19/25 13:20		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.12	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:03	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-38-2		
Barium, Total Recoverable	0.085	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:54	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:54	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:54	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:10	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.49	mg/L	0.20	1		07/12/25 00:13	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-706-061925		Lab ID: 60477709013		Collected: 06/19/25 12:15		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.13	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:10	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-38-2		
Barium, Total Recoverable	0.19	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:57	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 12:57	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 12:57	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:12	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.70	mg/L	0.20	1		07/12/25 00:27	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-707B-061925		Lab ID: 60477709014	Collected: 06/19/25 10:10	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	1.4	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:12	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7440-36-0	
Arsenic, Total Recoverable	0.0015	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7440-38-2	
Barium, Total Recoverable	0.019	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:00	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:00	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7440-47-3	
Cobalt, Total Recoverable	0.010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7440-48-4	
Lead, Total Recoverable	<0.0020	mg/L	0.0020	2	06/24/25 09:02	07/03/25 12:04	7439-92-1	D3
Molybdenum, Total Recoverable	0.0046	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:00	7782-49-2	
Thallium, Total Recoverable	<0.0020	mg/L	0.0020	2	06/24/25 09:02	07/03/25 14:03	7440-28-0	D3
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:14	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	<0.20	mg/L	0.20	1		07/12/25 00:40	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-708-061825		Lab ID: 60477709015	Collected: 06/18/25 14:10	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.082	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:14	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-36-0	
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-38-2	
Barium, Total Recoverable	0.21	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:08	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:08	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:08	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:16	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	0.26	mg/L	0.20	1		07/12/25 00:53	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-801-061825		Lab ID: 60477709016		Collected: 06/18/25 12:40		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.091	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:16	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-38-2		
Barium, Total Recoverable	0.46	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:10	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:10	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7439-92-1		
Molybdenum, Total Recoverable	0.0026	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:10	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:19	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.81	mg/L	0.20	1		07/12/25 01:06	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-802-061825		Lab ID: 60477709017		Collected: 06/18/25 11:30		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.087	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:18	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-38-2		
Barium, Total Recoverable	0.83	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:13	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:13	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:13	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:53	07/03/25 11:21	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.73	mg/L	0.20	1		07/12/25 01:19	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-803-061825		Lab ID: 60477709018		Collected: 06/18/25 10:25		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.065	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:19	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-38-2		
Barium, Total Recoverable	0.23	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:21	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:21	7440-43-9		
Chromium, Total Recoverable	0.0014	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7439-92-1		
Molybdenum, Total Recoverable	0.0043	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:21	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:38	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.47	mg/L	0.20	1		07/12/25 01:58	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-804-061825		Lab ID: 60477709019		Collected: 06/18/25 09:25		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.040	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:51	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-36-0		
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-38-2		
Barium, Total Recoverable	0.15	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:24	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:24	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:24	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:49	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	0.32	mg/L	0.20	1		07/12/25 02:11	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-MW-805-061725		Lab ID: 60477709020		Collected: 06/17/25 13:30		Received: 06/20/25 13:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.023	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:57	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-36-0		
Arsenic, Total Recoverable	0.0014	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-38-2		
Barium, Total Recoverable	0.025	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-39-3		
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:27	7440-41-7		
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:27	7440-43-9		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-48-4		
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7439-92-1		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7439-98-7		
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7782-49-2		
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:27	7440-28-0		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:52	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Fluoride	<0.20	mg/L	0.20	1		07/12/25 02:37	16984-48-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-TW-1-061925		Lab ID: 60477709021	Collected: 06/19/25 11:15	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.13	mg/L	0.010	1	06/23/25 13:14	07/08/25 16:59	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-36-0	
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-38-2	
Barium, Total Recoverable	0.056	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:34	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:34	7440-43-9	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:34	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:54	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	<0.20	mg/L	0.20	1		07/12/25 02:50	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-DUP1-061725		Lab ID: 60477709022	Collected: 06/17/25 13:30	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.022	mg/L	0.010	1	06/23/25 13:14	07/08/25 17:00	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-36-0	
Arsenic, Total Recoverable	0.0013	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-38-2	
Barium, Total Recoverable	0.026	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:40	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:40	7440-43-9	
Chromium, Total Recoverable	0.0011	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7439-92-1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:40	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:56	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	<0.20	mg/L	0.20	1		07/12/25 03:03	16984-48-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Sample: LAC-DUP2-062025		Lab ID: 60477709023	Collected: 06/20/25 08:45	Received: 06/20/25 13:56	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.045	mg/L	0.010	1	06/23/25 13:14	07/08/25 17:02	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Antimony, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-36-0	
Arsenic, Total Recoverable	0.0016	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-38-2	
Barium, Total Recoverable	0.21	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-39-3	
Beryllium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:43	7440-41-7	
Cadmium, Total Recoverable	<0.00050	mg/L	0.00050	1	06/24/25 09:02	07/02/25 13:43	7440-43-9	
Chromium, Total Recoverable	0.0022	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-47-3	
Cobalt, Total Recoverable	0.0011	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-48-4	
Lead, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7439-92-1	
Molybdenum, Total Recoverable	0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7439-98-7	
Selenium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7782-49-2	
Thallium, Total Recoverable	<0.0010	mg/L	0.0010	1	06/24/25 09:02	07/02/25 13:43	7440-28-0	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	07/01/25 14:31	07/03/25 09:59	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Fluoride	0.48	mg/L	0.20	1		07/12/25 03:16	16984-48-8	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

QC Batch:	940450	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017		

METHOD BLANK:	3728537	Matrix:	Water
Associated Lab Samples:	60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	07/03/25 10:22	

LABORATORY CONTROL SAMPLE:	3728538					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3728539			3728540								
Parameter	Units	60477689005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.6	4.6	93	91	70-130	2	20	

MATRIX SPIKE SAMPLE:		3728541					
		60477709008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.20	5	5.0	100	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

QC Batch:	940451	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

METHOD BLANK: 3728542 Matrix: Water

Associated Lab Samples: 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	07/03/25 09:33	

LABORATORY CONTROL SAMPLE: 3728543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3728544 3728545

Parameter	Units	60477709018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.6	4.7	92	94	70-130	2	20	

SAMPLE DUPLICATE: 3729827

Parameter	Units	60477805001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	<0.20		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

QC Batch:	939597	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010		

METHOD BLANK: 3725115

Matrix: Water

Associated Lab Samples: 60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	<0.0010	0.0010	07/02/25 11:10	
Arsenic	mg/L	<0.0010	0.0010	07/02/25 11:10	
Barium	mg/L	<0.0010	0.0010	07/02/25 11:10	
Beryllium	mg/L	<0.00050	0.00050	07/02/25 11:10	
Cadmium	mg/L	<0.00050	0.00050	07/02/25 11:10	
Chromium	mg/L	<0.0010	0.0010	07/02/25 11:10	
Cobalt	mg/L	<0.0010	0.0010	07/02/25 11:10	
Lead	mg/L	<0.0010	0.0010	07/02/25 11:10	
Molybdenum	mg/L	<0.0010	0.0010	07/02/25 11:10	
Selenium	mg/L	<0.0010	0.0010	07/02/25 11:10	
Thallium	mg/L	<0.0010	0.0010	07/02/25 11:10	

LABORATORY CONTROL SAMPLE: 3725116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.04	0.038	94	85-115	
Arsenic	mg/L	0.04	0.040	99	85-115	
Barium	mg/L	0.04	0.038	95	85-115	
Beryllium	mg/L	0.04	0.041	102	85-115	
Cadmium	mg/L	0.04	0.039	98	85-115	
Chromium	mg/L	0.04	0.040	101	85-115	
Cobalt	mg/L	0.04	0.041	102	85-115	
Lead	mg/L	0.04	0.039	98	85-115	
Molybdenum	mg/L	0.04	0.040	99	85-115	
Selenium	mg/L	0.04	0.039	98	85-115	
Thallium	mg/L	0.04	0.038	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725117 3725118

Parameter	Units	60477689001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.								
Antimony	mg/L	<0.0010	0.04	0.04	0.04	0.035	0.035	88	88	70-130	1	20	
Arsenic	mg/L	0.0048	0.04	0.04	0.04	0.044	0.043	97	97	70-130	0	20	
Barium	mg/L	0.17	0.04	0.04	0.04	0.20	0.21	87	90	70-130	1	20	
Beryllium	mg/L	<0.00050	0.04	0.04	0.04	0.038	0.038	95	95	70-130	1	20	
Cadmium	mg/L	<0.00050	0.04	0.04	0.04	0.034	0.034	84	84	70-130	0	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725117 3725118											
Parameter	Units	60477689001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Chromium	mg/L	<0.0010	0.04	0.04	0.032	0.032	80	80	70-130	0	20
Cobalt	mg/L	0.0069	0.04	0.04	0.046	0.045	97	96	70-130	1	20
Lead	mg/L	<0.0010	0.04	0.04	0.037	0.036	91	91	70-130	1	20
Molybdenum	mg/L	0.0013	0.04	0.04	0.042	0.041	101	100	70-130	1	20
Selenium	mg/L	<0.0010	0.04	0.04	0.035	0.035	88	88	70-130	0	20
Thallium	mg/L	<0.0010	0.04	0.04	0.037	0.037	93	92	70-130	1	20

MATRIX SPIKE SAMPLE: 3725119							
Parameter	Units	60477709006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	<0.0010	0.04	0.035	88	70-130	
Arsenic	mg/L	<0.0010	0.04	0.039	98	70-130	
Barium	mg/L	0.12	0.04	0.15	92	70-130	
Beryllium	mg/L	<0.00050	0.04	0.038	94	70-130	
Cadmium	mg/L	<0.00050	0.04	0.034	85	70-130	
Chromium	mg/L	<0.0010	0.04	0.028	68	70-130	M1
Cobalt	mg/L	<0.0010	0.04	0.040	99	70-130	
Lead	mg/L	<0.0010	0.04	0.036	91	70-130	
Molybdenum	mg/L	<0.0010	0.04	0.042	102	70-130	
Selenium	mg/L	<0.0010	0.04	0.034	86	70-130	
Thallium	mg/L	<0.0010	0.04	0.037	92	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

QC Batch:	939598	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023		

METHOD BLANK: 3725120

Matrix: Water

Associated Lab Samples: 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	<0.0010	0.0010	07/02/25 12:35	
Arsenic	mg/L	<0.0010	0.0010	07/02/25 12:35	
Barium	mg/L	<0.0010	0.0010	07/02/25 12:35	
Beryllium	mg/L	<0.00050	0.00050	07/02/25 12:35	
Cadmium	mg/L	<0.00050	0.00050	07/02/25 12:35	
Chromium	mg/L	<0.0010	0.0010	07/02/25 12:35	
Cobalt	mg/L	<0.0010	0.0010	07/02/25 12:35	
Lead	mg/L	<0.0010	0.0010	07/02/25 12:35	
Molybdenum	mg/L	<0.0010	0.0010	07/02/25 12:35	
Selenium	mg/L	<0.0010	0.0010	07/02/25 12:35	
Thallium	mg/L	<0.0010	0.0010	07/02/25 12:35	

LABORATORY CONTROL SAMPLE: 3725121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.04	0.039	97	85-115	
Arsenic	mg/L	0.04	0.041	101	85-115	
Barium	mg/L	0.04	0.040	99	85-115	
Beryllium	mg/L	0.04	0.041	103	85-115	
Cadmium	mg/L	0.04	0.040	101	85-115	
Chromium	mg/L	0.04	0.041	103	85-115	
Cobalt	mg/L	0.04	0.042	104	85-115	
Lead	mg/L	0.04	0.042	104	85-115	
Molybdenum	mg/L	0.04	0.041	102	85-115	
Selenium	mg/L	0.04	0.040	100	85-115	
Thallium	mg/L	0.04	0.040	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725122 3725123

Parameter	Units	60477709011	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
Antimony	mg/L	<0.0010	0.04	0.04	0.035	0.036	87	88	70-130	1	20	
Arsenic	mg/L	<0.0010	0.04	0.04	0.040	0.040	98	98	70-130	0	20	
Barium	mg/L	0.053	0.04	0.04	0.090	0.090	91	92	70-130	0	20	
Beryllium	mg/L	<0.00050	0.04	0.04	0.037	0.039	94	97	70-130	3	20	
Cadmium	mg/L	<0.00050	0.04	0.04	0.033	0.033	83	84	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3725122 3725123											
Parameter	Units	60477709011	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Chromium	mg/L	<0.0010	0.04	0.04	0.027	0.026	66	64	70-130	4	20 M1
Cobalt	mg/L	<0.0010	0.04	0.04	0.039	0.039	99	98	70-130	0	20
Lead	mg/L	<0.0010	0.04	0.04	0.037	0.037	93	92	70-130	0	20
Molybdenum	mg/L	0.0029	0.04	0.04	0.044	0.044	103	103	70-130	0	20
Selenium	mg/L	<0.0010	0.04	0.04	0.035	0.035	88	88	70-130	1	20
Thallium	mg/L	<0.0010	0.04	0.04	0.038	0.038	94	94	70-130	0	20

MATRIX SPIKE SAMPLE: 3725124							
Parameter	Units	60477709021	Spike	MS	MS	% Rec	Qualifiers
		Result	Conc.	Result	% Rec	Limits	
Antimony	mg/L	<0.0010	0.04	0.035	88	70-130	
Arsenic	mg/L	<0.0010	0.04	0.039	97	70-130	
Barium	mg/L	0.056	0.04	0.092	90	70-130	
Beryllium	mg/L	<0.00050	0.04	0.036	91	70-130	
Cadmium	mg/L	<0.00050	0.04	0.034	84	70-130	
Chromium	mg/L	<0.0010	0.04	0.029	71	70-130	
Cobalt	mg/L	<0.0010	0.04	0.040	99	70-130	
Lead	mg/L	<0.0010	0.04	0.037	92	70-130	
Molybdenum	mg/L	<0.0010	0.04	0.042	102	70-130	
Selenium	mg/L	<0.0010	0.04	0.036	89	70-130	
Thallium	mg/L	<0.0010	0.04	0.037	93	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

QC Batch:	939431	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018		

METHOD BLANK: 3724738

Matrix: Water

Associated Lab Samples: 60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009, 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	07/08/25 15:26	

LABORATORY CONTROL SAMPLE: 3724739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724740 3724741

Parameter	Units	60477689004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	58.9 ug/L	1	1	1.0	1.0	96	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

QC Batch:	939433	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

METHOD BLANK: 3724743 Matrix: Water
Associated Lab Samples: 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	07/08/25 16:47	

LABORATORY CONTROL SAMPLE: 3724744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3724745 3724746

Parameter	Units	60477709019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.040	1	1	1.0	1.0	98	97	75-125	2	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

QC Batch:	941219	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009

METHOD BLANK: 3731451 Matrix: Water
Associated Lab Samples: 60477709001, 60477709002, 60477709003, 60477709004, 60477709005, 60477709006, 60477709007, 60477709008, 60477709009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	<0.20	0.20	07/10/25 09:29	

LABORATORY CONTROL SAMPLE: 3731452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3731453 3731454

Parameter	Units	60477684001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.30	2.5	2.5	2.4	2.4	85	85	80-120	1	15	

MATRIX SPIKE SAMPLE: 3731455

Parameter	Units	60477689004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	1.1	2.5	3.4	93	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

QC Batch:	941418	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

METHOD BLANK: 3732191 Matrix: Water

Associated Lab Samples: 60477709010, 60477709011, 60477709012, 60477709013, 60477709014, 60477709015, 60477709016, 60477709017, 60477709018, 60477709019, 60477709020, 60477709021, 60477709022, 60477709023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	<0.20	0.20	07/11/25 22:29	

LABORATORY CONTROL SAMPLE: 3732192		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
Fluoride	mg/L	2.5	2.6	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3732193					3732194							
Parameter	Units	60477709010	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
Fluoride	mg/L	0.50	2.5	2.5	3.2	3.2	106	107	80-120	0	15	

MATRIX SPIKE SAMPLE: 3732195		60477709019	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units	Result					
Fluoride	mg/L	0.32	2.5	2.9	103	80-120	

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QUALIFIERS

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60477709

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477709001	LAC-MW-6-062025	EPA 3010	939431	EPA 6010	939525
60477709002	LAC-MW-7-062025	EPA 3010	939431	EPA 6010	939525
60477709003	LAC-MW-13-061825	EPA 3010	939431	EPA 6010	939525
60477709004	LAC-MW-14R-061825	EPA 3010	939431	EPA 6010	939525
60477709005	LAC-MW-15-061825	EPA 3010	939431	EPA 6010	939525
60477709006	LAC-MW-601-061825	EPA 3010	939431	EPA 6010	939525
60477709007	LAC-MW-602-061825	EPA 3010	939431	EPA 6010	939525
60477709008	LAC-MW-701-062025	EPA 3010	939431	EPA 6010	939525
60477709009	LAC-MW-702-062025	EPA 3010	939431	EPA 6010	939525
60477709010	LAC-MW-703-061925	EPA 3010	939431	EPA 6010	939525
60477709011	LAC-MW-704-061925	EPA 3010	939431	EPA 6010	939525
60477709012	LAC-MW-705-061925	EPA 3010	939431	EPA 6010	939525
60477709013	LAC-MW-706-061925	EPA 3010	939431	EPA 6010	939525
60477709014	LAC-MW-707B-061925	EPA 3010	939431	EPA 6010	939525
60477709015	LAC-MW-708-061825	EPA 3010	939431	EPA 6010	939525
60477709016	LAC-MW-801-061825	EPA 3010	939431	EPA 6010	939525
60477709017	LAC-MW-802-061825	EPA 3010	939431	EPA 6010	939525
60477709018	LAC-MW-803-061825	EPA 3010	939431	EPA 6010	939525
60477709019	LAC-MW-804-061825	EPA 3010	939433	EPA 6010	939527
60477709020	LAC-MW-805-061725	EPA 3010	939433	EPA 6010	939527
60477709021	LAC-TW-1-061925	EPA 3010	939433	EPA 6010	939527
60477709022	LAC-DUP1-061725	EPA 3010	939433	EPA 6010	939527
60477709023	LAC-DUP2-062025	EPA 3010	939433	EPA 6010	939527
60477709001	LAC-MW-6-062025	EPA 200.8	939597	EPA 200.8	939664
60477709002	LAC-MW-7-062025	EPA 200.8	939597	EPA 200.8	939664
60477709003	LAC-MW-13-061825	EPA 200.8	939597	EPA 200.8	939664
60477709004	LAC-MW-14R-061825	EPA 200.8	939597	EPA 200.8	939664
60477709005	LAC-MW-15-061825	EPA 200.8	939597	EPA 200.8	939664
60477709006	LAC-MW-601-061825	EPA 200.8	939597	EPA 200.8	939664
60477709007	LAC-MW-602-061825	EPA 200.8	939597	EPA 200.8	939664
60477709008	LAC-MW-701-062025	EPA 200.8	939597	EPA 200.8	939664
60477709009	LAC-MW-702-062025	EPA 200.8	939597	EPA 200.8	939664
60477709010	LAC-MW-703-061925	EPA 200.8	939597	EPA 200.8	939664
60477709011	LAC-MW-704-061925	EPA 200.8	939598	EPA 200.8	939659
60477709012	LAC-MW-705-061925	EPA 200.8	939598	EPA 200.8	939659
60477709013	LAC-MW-706-061925	EPA 200.8	939598	EPA 200.8	939659
60477709014	LAC-MW-707B-061925	EPA 200.8	939598	EPA 200.8	939659
60477709015	LAC-MW-708-061825	EPA 200.8	939598	EPA 200.8	939659
60477709016	LAC-MW-801-061825	EPA 200.8	939598	EPA 200.8	939659
60477709017	LAC-MW-802-061825	EPA 200.8	939598	EPA 200.8	939659
60477709018	LAC-MW-803-061825	EPA 200.8	939598	EPA 200.8	939659
60477709019	LAC-MW-804-061825	EPA 200.8	939598	EPA 200.8	939659
60477709020	LAC-MW-805-061725	EPA 200.8	939598	EPA 200.8	939659
60477709021	LAC-TW-1-061925	EPA 200.8	939598	EPA 200.8	939659
60477709022	LAC-DUP1-061725	EPA 200.8	939598	EPA 200.8	939659
60477709023	LAC-DUP2-062025	EPA 200.8	939598	EPA 200.8	939659
60477709001	LAC-MW-6-062025	EPA 245.1	940450	EPA 245.1	940472

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60477709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60477709002	LAC-MW-7-062025	EPA 245.1	940450	EPA 245.1	940472
60477709003	LAC-MW-13-061825	EPA 245.1	940450	EPA 245.1	940472
60477709004	LAC-MW-14R-061825	EPA 245.1	940450	EPA 245.1	940472
60477709005	LAC-MW-15-061825	EPA 245.1	940450	EPA 245.1	940472
60477709006	LAC-MW-601-061825	EPA 245.1	940450	EPA 245.1	940472
60477709007	LAC-MW-602-061825	EPA 245.1	940450	EPA 245.1	940472
60477709008	LAC-MW-701-062025	EPA 245.1	940450	EPA 245.1	940472
60477709009	LAC-MW-702-062025	EPA 245.1	940450	EPA 245.1	940472
60477709010	LAC-MW-703-061925	EPA 245.1	940450	EPA 245.1	940472
60477709011	LAC-MW-704-061925	EPA 245.1	940450	EPA 245.1	940472
60477709012	LAC-MW-705-061925	EPA 245.1	940450	EPA 245.1	940472
60477709013	LAC-MW-706-061925	EPA 245.1	940450	EPA 245.1	940472
60477709014	LAC-MW-707B-061925	EPA 245.1	940450	EPA 245.1	940472
60477709015	LAC-MW-708-061825	EPA 245.1	940450	EPA 245.1	940472
60477709016	LAC-MW-801-061825	EPA 245.1	940450	EPA 245.1	940472
60477709017	LAC-MW-802-061825	EPA 245.1	940450	EPA 245.1	940472
60477709018	LAC-MW-803-061825	EPA 245.1	940451	EPA 245.1	940471
60477709019	LAC-MW-804-061825	EPA 245.1	940451	EPA 245.1	940471
60477709020	LAC-MW-805-061725	EPA 245.1	940451	EPA 245.1	940471
60477709021	LAC-TW-1-061925	EPA 245.1	940451	EPA 245.1	940471
60477709022	LAC-DUP1-061725	EPA 245.1	940451	EPA 245.1	940471
60477709023	LAC-DUP2-062025	EPA 245.1	940451	EPA 245.1	940471
60477709001	LAC-MW-6-062025	EPA 300.0	941219		
60477709002	LAC-MW-7-062025	EPA 300.0	941219		
60477709003	LAC-MW-13-061825	EPA 300.0	941219		
60477709004	LAC-MW-14R-061825	EPA 300.0	941219		
60477709005	LAC-MW-15-061825	EPA 300.0	941219		
60477709006	LAC-MW-601-061825	EPA 300.0	941219		
60477709007	LAC-MW-602-061825	EPA 300.0	941219		
60477709008	LAC-MW-701-062025	EPA 300.0	941219		
60477709009	LAC-MW-702-062025	EPA 300.0	941219		
60477709010	LAC-MW-703-061925	EPA 300.0	941418		
60477709011	LAC-MW-704-061925	EPA 300.0	941418		
60477709012	LAC-MW-705-061925	EPA 300.0	941418		
60477709013	LAC-MW-706-061925	EPA 300.0	941418		
60477709014	LAC-MW-707B-061925	EPA 300.0	941418		
60477709015	LAC-MW-708-061825	EPA 300.0	941418		
60477709016	LAC-MW-801-061825	EPA 300.0	941418		
60477709017	LAC-MW-802-061825	EPA 300.0	941418		
60477709018	LAC-MW-803-061825	EPA 300.0	941418		
60477709019	LAC-MW-804-061825	EPA 300.0	941418		
60477709020	LAC-MW-805-061725	EPA 300.0	941418		
60477709021	LAC-TW-1-061925	EPA 300.0	941418		
60477709022	LAC-DUP1-061725	EPA 300.0	941418		
60477709023	LAC-DUP2-062025	EPA 300.0	941418		

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DC#_Title: ENV-FRM-LENE-0009_Samp

Revision: 2

Effective Date: 01/12/20

W0#: 60477709



60477709

Client Name: EvergladesCourier: FedEx ☐ UPS ☐ VIA ☒ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 0.8 Corr. Factor 10.1 Corrected 0.9Date and initials of person examining contents: DF 6/21

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☐ No ☒ N/A	
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace* Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here 60977709 Scan QR Code for instructions																																																																																																					
Company Name: Everyg_Haley & Aldrich Street Address: 818 S Kansas Avenue Topeka, KS 66612						Contact/Report To: Jake Humphrey Phone #: (913)634-0605 E-Mail: jake.humphrey@everyg.com Cc E-Mail: skaney@haleyaldrich.com						<table><tr><td colspan="10">Specify Container Size **</td><td colspan="10">**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other</td></tr><tr><td colspan="10">Identify Container Preservative Type***</td><td colspan="10">*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other</td></tr><tr><td colspan="10">Analysis Requested</td><td colspan="10" rowspan="2"><table><tr><td>Proj. Mgr:</td><td>Alice Spiller</td></tr><tr><td>AcctNum / Client ID:</td><td></td></tr><tr><td>Table #:</td><td></td></tr><tr><td>Profile / Template:</td><td>16583</td></tr><tr><td>Prelog / Bottle Ord. ID:</td><td>EZ 3266663</td></tr><tr><td colspan="2">Sample Comment</td></tr></table></td></tr><tr><td colspan="10">Total Metals: 200.8/6010/245.1 *see list</td><td colspan="10">300.0 IC Anions 28 Days - F</td></tr></table>										Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other										Identify Container Preservative Type***										*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other										Analysis Requested										<table><tr><td>Proj. Mgr:</td><td>Alice Spiller</td></tr><tr><td>AcctNum / Client ID:</td><td></td></tr><tr><td>Table #:</td><td></td></tr><tr><td>Profile / Template:</td><td>16583</td></tr><tr><td>Prelog / Bottle Ord. ID:</td><td>EZ 3266663</td></tr><tr><td colspan="2">Sample Comment</td></tr></table>										Proj. Mgr:	Alice Spiller	AcctNum / Client ID:		Table #:		Profile / Template:	16583	Prelog / Bottle Ord. ID:	EZ 3266663	Sample Comment		Total Metals: 200.8/6010/245.1 *see list										300.0 IC Anions 28 Days - F									
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Customer Project #: La Cygne CCR Compliance Wells						Invoice To: Lacygne-Everyg Payable Invoice E-Mail: apinvoicing@everyg.com Purchase Order # (if applicable): 3000222251 Quote #:																																																																																																											
Site Collection Info/Facility ID (as applicable): Everyg La Cygne Generating Station						Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET County / State origin of sample(s): Kansas																																																																																																											
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other						Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other Date Results Requested: Field Filtered (if applicable): [] Yes [X] No Analysis:																																																																																																											
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																																																																																																																	
Customer Sample ID				Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine		<table><tr><td># Coolers:</td><td>Thermometer ID:</td><td>Correction Factor (°C):</td><td>Obs. Temp. (°C):</td><td>Corrected Temp. (°C):</td><td>On Ice:</td></tr><tr><td></td><td></td><td></td><td>0.8</td><td>0.9</td><td></td></tr></table>										# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	On Ice:				0.8	0.9																																																																																
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			0.8	0.9																																																																																																													
						Date	Time	Date	Time	Cont.	Results	Units																																																																																																					
LaC-MW-704-061925				GW	GRAB	-	-	6/19/2025	1515	2	-	-											X	X																																																																																									
LaC-MW-705-061925				GW	GRAB	-	-	6/19/2025	1320	2	-	-											X	X																																																																																									
LaC-MW-706-061925				GW	GRAB	-	-	6/19/2025	1215	2	-	-											X	X																																																																																									
LaC-MW-707B-061925				GW	GRAB	-	-	6/19/2025	1010	2	-	-											X	X																																																																																									
LaC-MW-708-061825				GW	GRAB	-	-	6/18/2025	1410	2	-	-											X	X																																																																																									
LaC-MW-801-061825				GW	GRAB	-	-	6/18/2025	1240	2	-	-											X	X																																																																																									
LaC-MW-802-061825				GW	GRAB	-	-	6/18/2025	1130	2	-	-	X	X																																																																																																			
LaC-MW-803-061825				GW	GRAB	-	-	6/18/2025	1025	2	-	-	X	X																																																																																																			
LaC-MW-804-061825				GW	GRAB	-	-	6/18/2025	925	2	-	-	X	X																																																																																																			
LaC-MW-805-061725				GW	GRAB	-	-	6/17/2025	1330	2	-	-	X	X																																																																																																			
Additional Instructions from Pace*: *Total Metals: 200.8 Sb, As, Ba, Be, Cd, Cr, Co, Pb, Mo, Se, Ti / 6010 Li / 245.1 Hg						Collected By: (Printed Name) Signature: Jason R. Franks						Customer Remarks / Special Conditions / Possible Hazards:																																																																																																					
Relinquished by/Company: (Signature) Jason R. Franks / SCS						Date/Time: 06/20/2025 / 13:00						Received by/Company: (Signature) Carmen June Pace						Date/Time: 6/20 13:56						Tracking Number:																																																																																									
Relinquished by/Company: (Signature)						Date/Time:						Received by/Company: (Signature)						Date/Time:						Delivered by: [] In- Person [] Courier																																																																																									
Relinquished by/Company: (Signature)						Date/Time:						Received by/Company: (Signature)						Date/Time:						[] FedEx [] UPS [] Other																																																																																									
Relinquished by/Company: (Signature)						Date/Time:						Received by/Company: (Signature)						Date/Time:						Page: 2 of 3																																																																																									

ENV-FRM-CORQ-0019_v02_110123 ©

1/3

Client: Evergy
Site: La Cygne CCR Compliance Wells

Profile/EZ # EZ 32666663
Notes _____

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	WPT																				-		-	X of 42									
2																					-		-										
3																					-		-										
4																					-		-										
5																					-		-										
6																					-		-										
7																					-		-										
8																					-		-										
9																					-		-										
10																					-		-										
11																																	
12																																	

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

WO# : 60477709

PM: AS Due Date: 07/07/25
CLIENT: Evergy_Haley

2/3

Client: Evergy

Profile/EZ # EZ 32666663

Site: La Cygne CCR Compliance Wells

Notes _____

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	W																															
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
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Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number: 60477709

Client: Evergy

Profile/EZ # EZ 32666663

Site: La Cygne CCP Compliance Wells

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	W																															
2																																
3																																
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9																																
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11																																
12																																

Container Codes

Glass				Plastic				Misc.	
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DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60977709

ATTACHMENT 2-4
September 2025 Semiannual Sampling Event
Laboratory Analytical Reports



September 24, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

EPA Lab Code: KS00021

Arkansas Certification #: 88-00679

Illinois Certification #: 200030

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Oklahoma Certification #: 9205

Texas Certification #: T104704407

Utah Certification #: KS0002125-15

UDSA_CA : #KS-SC-DOM-25-01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481852001	LAC-MW-14R-090325	Water	09/03/25 14:00	09/04/25 17:05
60481852002	LAC-MW-15-090325	Water	09/03/25 15:25	09/04/25 17:05
60481852003	LAC-MW-601-090325	Water	09/03/25 15:40	09/04/25 17:05
60481852004	LAC-MW-602-090325	Water	09/03/25 12:35	09/04/25 17:05
60481852005	LAC-MW-701-090325	Water	09/03/25 10:40	09/04/25 17:05
60481852006	LAC-MW-703-090325	Water	09/03/25 15:00	09/04/25 17:05
60481852007	LAC-MW-704-090325	Water	09/03/25 11:40	09/04/25 17:05
60481852008	LAC-MW-801-090325	Water	09/03/25 14:05	09/04/25 17:05
60481852009	LAC-MW-802-090325	Water	09/03/25 13:15	09/04/25 17:05
60481852010	LAC-MW-803-090325	Water	09/03/25 12:25	09/04/25 17:05
60481852011	LAC-MW-804-090325	Water	09/03/25 11:40	09/04/25 17:05
60481852012	LAC-MW-805-090325	Water	09/03/25 10:45	09/04/25 17:05
60481852013	LAC-DUP1-051225	Water	09/03/25 10:40	09/04/25 17:05
60481852014	LAC-DUP2-090325	Water	09/03/25 10:45	09/04/25 17:05

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481852001	LAC-MW-14R-090325	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481852002	LAC-MW-15-090325	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481852003	LAC-MW-601-090325	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481852004	LAC-MW-602-090325	EPA 200.7	ARMN	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481852005	LAC-MW-701-090325	EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
60481852006	LAC-MW-703-090325	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
60481852007	LAC-MW-704-090325	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 200.7	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481852008	LAC-MW-801-090325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
60481852009	LAC-MW-802-090325	SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
60481852010	LAC-MW-803-090325	SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481852011	LAC-MW-804-090325	EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481852012	LAC-MW-805-090325	SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481852013	LAC-DUP1-051225	SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481852014	LAC-DUP2-090325	EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	IED	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947229

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481852001,60481852010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754328)
 - Magnesium
 - Sodium

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 200.8
Description: 200.8 MET ICPMS, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-DUP1-051225 (Lab ID: 60481852013)
- LAC-DUP2-090325 (Lab ID: 60481852014)
- LAC-MW-14R-090325 (Lab ID: 60481852001)
- LAC-MW-15-090325 (Lab ID: 60481852002)
- LAC-MW-601-090325 (Lab ID: 60481852003)
- LAC-MW-602-090325 (Lab ID: 60481852004)
- LAC-MW-701-090325 (Lab ID: 60481852005)
- LAC-MW-703-090325 (Lab ID: 60481852006)
- LAC-MW-704-090325 (Lab ID: 60481852007)
- LAC-MW-801-090325 (Lab ID: 60481852008)
- LAC-MW-802-090325 (Lab ID: 60481852009)
- LAC-MW-803-090325 (Lab ID: 60481852010)
- LAC-MW-804-090325 (Lab ID: 60481852011)
- LAC-MW-805-090325 (Lab ID: 60481852012)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: SM 4500-S-2 D
Description: 4500S2D Sulfide, Total
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947109

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481797001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3753813)
 - Sulfide, Total
- MSD (Lab ID: 3753814)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-MW-602-090325 (Lab ID: 60481852004)
- LAC-MW-803-090325 (Lab ID: 60481852010)
- LAC-MW-804-090325 (Lab ID: 60481852011)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: EPA 365.4
Description: 365.4 Total Phosphorus
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947921

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481810004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3757396)
- Phosphorus

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: September 24, 2025

General Information:

14 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-14R-090325		Lab ID: 60481852001		Collected: 09/03/25 14:00		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	39.7	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:20	7439-95-4	M1	
Potassium, Total Recoverable	4.4	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:20	7440-09-7		
Sodium, Total Recoverable	118	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:20	7440-23-5	M1, P6	
Total Hardness by 2340B, Total Recoverable	291	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:20			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	39.2	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:23	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.042	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:19	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:10	7429-90-5		
Iron, Total Recoverable	0.066	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:10	7439-89-6		
Manganese, Total Recoverable	0.20	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:10	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:17	7429-90-5		
Iron, Dissolved	0.052	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:17	7439-89-6		
Manganese, Dissolved	0.20	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:17	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	480	mg/L	20.0	1		09/05/25 14:24			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 14:24			
Alkalinity, Total as CaCO3	480	mg/L	20.0	1		09/05/25 14:24			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	2.2	mg/L	0.50	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 13:20	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 13:20	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-14R-090325		Lab ID: 60481852001		Collected: 09/03/25 14:00		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.32	mg/L	0.10	1	09/16/25 11:43	09/17/25 15:42	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.6	mg/L	1.0	1		09/11/25 22:58	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.7	mg/L	1.0	1		09/23/25 14:30			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-15-090325		Lab ID: 60481852002	Collected: 09/03/25 15:25		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	36.5	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:26	7439-95-4	
Potassium, Total Recoverable	2.8	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:26	7440-09-7	
Sodium, Total Recoverable	129	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:26	7440-23-5	
Total Hardness by 2340B, Total Recoverable	399	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:26		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	37.1	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:29	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.026	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:25	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 11:59	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 11:59	7439-89-6	
Manganese, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 12:00	09/11/25 11:59	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:07	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:07	7439-89-6	
Manganese, Dissolved	<0.0010	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:07	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	460	mg/L	20.0	1		09/05/25 14:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 14:32		
Alkalinity, Total as CaCO3	460	mg/L	20.0	1		09/05/25 14:32		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.20	mg/L	0.10	1		09/05/25 14:13	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 14:13	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-15-090325		Lab ID: 60481852002		Collected: 09/03/25 15:25		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:42	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 19:11	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.0	mg/L	1.0	1		09/23/25 14:58			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-601-090325		Lab ID: 60481852003	Collected: 09/03/25 15:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	10.7	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:27	7439-95-4	
Potassium, Total Recoverable	4.6	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:27	7440-09-7	
Sodium, Total Recoverable	363	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:27	7440-23-5	
Total Hardness by 2340B, Total Recoverable	83.6	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:27		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	10.9	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:31	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.074	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:27	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.30	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:12	7429-90-5	
Iron, Total Recoverable	0.20	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:12	7439-89-6	
Manganese, Total Recoverable	0.043	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:12	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:19	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:19	7439-89-6	
Manganese, Dissolved	0.035	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:19	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	635	mg/L	20.0	1		09/05/25 14:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 14:39		
Alkalinity, Total as CaCO3	635	mg/L	20.0	1		09/05/25 14:39		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	0.35	mg/L	0.10	1		09/05/25 14:26	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 14:26	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-601-090325		Lab ID: 60481852003		Collected: 09/03/25 15:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:43	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 22:44	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 15:13			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-602-090325		Lab ID: 60481852004		Collected: 09/03/25 12:35		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	14.7	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:29	7439-95-4		
Potassium, Total Recoverable	3.8	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:29	7440-09-7		
Sodium, Total Recoverable	196	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:29	7440-23-5		
Total Hardness by 2340B, Total Recoverable	114	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:29			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	14.8	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:32	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.058	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:29	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.60	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:15	7429-90-5		
Iron, Total Recoverable	0.53	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:15	7439-89-6		
Manganese, Total Recoverable	0.019	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:15	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:22	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:22	7439-89-6		
Manganese, Dissolved	0.011	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:22	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	492	mg/L	20.0	1		09/05/25 14:46			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 14:46			
Alkalinity, Total as CaCO3	492	mg/L	20.0	1		09/05/25 14:46			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.36	mg/L	0.10	1		09/05/25 12:54	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 12:54	14797-65-0	H1	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-602-090325		Lab ID: 60481852004		Collected: 09/03/25 12:35		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:46	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.2	mg/L	1.0	1		09/11/25 19:39	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 16:09			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-701-090325		Lab ID: 60481852005	Collected: 09/03/25 10:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	9.5	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:31	7439-95-4	
Potassium, Total Recoverable	3.1	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:31	7440-09-7	
Sodium, Total Recoverable	159	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:31	7440-23-5	
Total Hardness by 2340B, Total Recoverable	150	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:31		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	9.7	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:34	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.048	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:30	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	0.29	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:20	7429-90-5	
Iron, Total Recoverable	0.38	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:20	7439-89-6	
Manganese, Total Recoverable	0.15	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:20	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:28	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:28	7439-89-6	
Manganese, Dissolved	0.15	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:28	7439-96-5	D9
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	354	mg/L	20.0	1		09/05/25 14:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 14:52		
Alkalinity, Total as CaCO3	354	mg/L	20.0	1		09/05/25 14:52		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	0.32	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 10:00	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 10:00	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-701-090325		Lab ID: 60481852005		Collected: 09/03/25 10:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:48	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 19:53	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	1.5	mg/L	1.0	1		09/23/25 16:23			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-703-090325		Lab ID: 60481852006	Collected: 09/03/25 15:00		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	13.4	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:39	7439-95-4	
Potassium, Total Recoverable	3.8	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:39	7440-09-7	
Sodium, Total Recoverable	289	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:39	7440-23-5	
Total Hardness by 2340B, Total Recoverable	133	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:39		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	13.5	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:42	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.051	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:48	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:23	7429-90-5	
Iron, Total Recoverable	0.52	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:23	7439-89-6	
Manganese, Total Recoverable	0.12	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:23	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:30	7429-90-5	
Iron, Dissolved	0.48	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:30	7439-89-6	
Manganese, Dissolved	0.11	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:30	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	634	mg/L	20.0	1		09/05/25 15:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:13		
Alkalinity, Total as CaCO3	634	mg/L	20.0	1		09/05/25 15:13		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	0.66	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 13:59	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 13:59	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-703-090325		Lab ID: 60481852006		Collected: 09/03/25 15:00		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:50	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.1	mg/L	1.0	1		09/11/25 20:08	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.6	mg/L	1.0	1		09/23/25 16:37			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-704-090325 Lab ID: 60481852007 Collected: 09/03/25 11:40 Received: 09/04/25 17:05 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City								
Magnesium, Total Recoverable	16.9	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:40	7439-95-4	
Potassium, Total Recoverable	6.2	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:40	7440-09-7	
Sodium, Total Recoverable	448	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:40	7440-23-5	
Total Hardness by 2340B, Total Recoverable	129	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:40		
200.7 Metals, Dissolved Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City								
Magnesium, Dissolved	16.7	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:43	7439-95-4	
6010 MET ICP, Dissolved Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City								
Lithium, Dissolved	0.098	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:50	7439-93-2	
200.8 MET ICPMS Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City								
Aluminum, Total Recoverable	0.41	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:25	7429-90-5	
Iron, Total Recoverable	0.28	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:25	7439-89-6	
Manganese, Total Recoverable	0.011	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:25	7439-96-5	
200.8 MET ICPMS, Dissolved Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City								
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:32	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:32	7439-89-6	
Manganese, Dissolved	0.0052	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:32	7439-96-5	
2320B Alkalinity Analytical Method: SM 2320B Pace Analytical Services - Kansas City								
Alkalinity,Bicarbonate (CaCO3)	801	mg/L	20.0	1		09/05/25 15:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:20		
Alkalinity, Total as CaCO3	801	mg/L	20.0	1		09/05/25 15:20		
Iron, Ferrous Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City								
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City								
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City								
Nitrate as N	0.66	mg/L	0.10	1		09/05/25 11:23	14797-55-8	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 11:23	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-704-090325		Lab ID: 60481852007		Collected: 09/03/25 11:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.13	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:53	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 20:22	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 16:51			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-801-090325		Lab ID: 60481852008		Collected: 09/03/25 14:05		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	20.9	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:42	7439-95-4		
Potassium, Total Recoverable	5.8	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:42	7440-09-7		
Sodium, Total Recoverable	284	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:42	7440-23-5		
Total Hardness by 2340B, Total Recoverable	147	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:42			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	21.4	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:45	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.095	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:52	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:31	7429-90-5		
Iron, Total Recoverable	0.42	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:31	7439-89-6		
Manganese, Total Recoverable	0.024	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:31	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:38	7429-90-5		
Iron, Dissolved	0.39	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:38	7439-89-6		
Manganese, Dissolved	0.024	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:38	7439-96-5	D9	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	657	mg/L	20.0	1		09/05/25 15:27			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:27			
Alkalinity, Total as CaCO3	657	mg/L	20.0	1		09/05/25 15:27			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.54	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 13:46	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 13:46	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-801-090325		Lab ID: 60481852008		Collected: 09/03/25 14:05		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:55	7723-14-0		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 20:36	7440-44-0		
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 17:06			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-802-090325		Lab ID: 60481852009		Collected: 09/03/25 13:15		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	29.5	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:44	7439-95-4		
Potassium, Total Recoverable	5.6	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:44	7440-09-7		
Sodium, Total Recoverable	219	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:44	7440-23-5		
Total Hardness by 2340B, Total Recoverable	191	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:44			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	29.1	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:47	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.090	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:54	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:33	7429-90-5		
Iron, Total Recoverable	0.44	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:33	7439-89-6		
Manganese, Total Recoverable	0.0066	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:33	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:40	7429-90-5		
Iron, Dissolved	0.41	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:40	7439-89-6		
Manganese, Dissolved	0.0063	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:40	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	607	mg/L	20.0	1		09/05/25 15:36			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:36			
Alkalinity, Total as CaCO3	607	mg/L	20.0	1		09/05/25 15:36			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.49	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 13:07	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 13:07	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-802-090325		Lab ID: 60481852009		Collected: 09/03/25 13:15		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 14:57	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 20:50	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 17:20			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-803-090325		Lab ID: 60481852010		Collected: 09/03/25 12:25		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	38.2	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:46	7439-95-4		
Potassium, Total Recoverable	5.4	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:46	7440-09-7		
Sodium, Total Recoverable	165	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:46	7440-23-5		
Total Hardness by 2340B, Total Recoverable	283	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:46			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	36.0	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:49	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.065	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:55	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.38	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:35	7429-90-5		
Iron, Total Recoverable	0.44	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:35	7439-89-6		
Manganese, Total Recoverable	0.017	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:35	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:43	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:43	7439-89-6		
Manganese, Dissolved	0.0018	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:43	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	498	mg/L	20.0	1		09/05/25 15:49			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:49			
Alkalinity, Total as CaCO3	498	mg/L	20.0	1		09/05/25 15:49			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	1.7	mg/L	0.10	1		09/05/25 12:41	14797-55-8	H1	
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 12:41	14797-65-0	H1	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-803-090325		Lab ID: 60481852010		Collected: 09/03/25 12:25		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 15:00	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 21:04	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 17:34			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-804-090325		Lab ID: 60481852011	Collected: 09/03/25 11:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Total Recoverable	24.6	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:53	7439-95-4	
Potassium, Total Recoverable	2.9	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:53	7440-09-7	
Sodium, Total Recoverable	132	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:53	7440-23-5	
Total Hardness by 2340B, Total Recoverable	279	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:53		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Magnesium, Dissolved	23.5	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:52	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Dissolved	0.040	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:57	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:41	7429-90-5	
Iron, Total Recoverable	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:41	7439-89-6	
Manganese, Total Recoverable	0.011	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:41	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:49	7429-90-5	
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:49	7439-89-6	
Manganese, Dissolved	0.0037	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:49	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City						
Alkalinity,Bicarbonate (CaCO3)	457	mg/L	20.0	1		09/05/25 15:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 15:56		
Alkalinity, Total as CaCO3	457	mg/L	20.0	1		09/05/25 15:56		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City						
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City						
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 12:02	14797-55-8	H1
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 12:02	14797-65-0	H1

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-804-090325		Lab ID: 60481852011		Collected: 09/03/25 11:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 15:02	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 21:47	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 17:48			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-805-090325		Lab ID: 60481852012		Collected: 09/03/25 10:45		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	133	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:55	7439-95-4		
Potassium, Total Recoverable	1.6	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:55	7440-09-7		
Sodium, Total Recoverable	88.7	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:55	7440-23-5		
Total Hardness by 2340B, Total Recoverable	1680	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:55			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	139	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:54	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.024	mg/L	0.010	1	09/11/25 07:55	09/19/25 15:59	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.61	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:46	7429-90-5		
Iron, Total Recoverable	0.62	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:46	7439-89-6		
Manganese, Total Recoverable	0.44	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:46	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:53	7429-90-5		
Iron, Dissolved	0.062	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:53	7439-89-6		
Manganese, Dissolved	0.48	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:53	7439-96-5	D9	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	434	mg/L	20.0	1		09/05/25 16:03			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 16:03			
Alkalinity, Total as CaCO3	434	mg/L	20.0	1		09/05/25 16:03			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 10:26	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 10:26	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-MW-805-090325		Lab ID: 60481852012		Collected: 09/03/25 10:45		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 16:00	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 22:01	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 18:02			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-DUP1-051225		Lab ID: 60481852013		Collected: 09/03/25 10:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	9.4	mg/L	0.050	1	09/10/25 12:00	09/19/25 15:08	7439-95-4		
Potassium, Total Recoverable	3.1	mg/L	0.50	1	09/10/25 12:00	09/19/25 15:08	7440-09-7		
Sodium, Total Recoverable	158	mg/L	0.50	1	09/10/25 12:00	09/19/25 15:08	7440-23-5		
Total Hardness by 2340B, Total Recoverable	148	mg/L	0.50	1	09/10/25 12:00	09/19/25 15:08			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	9.8	mg/L	0.050	1	09/10/25 12:00	09/19/25 13:56	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.047	mg/L	0.010	1	09/11/25 07:55	09/19/25 16:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.31	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:52	7429-90-5		
Iron, Total Recoverable	0.41	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:52	7439-89-6		
Manganese, Total Recoverable	0.15	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:52	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:59	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 13:59	7439-89-6		
Manganese, Dissolved	0.15	mg/L	0.0010	1	09/10/25 12:00	09/11/25 13:59	7439-96-5		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	356	mg/L	20.0	1		09/05/25 16:08			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 16:08			
Alkalinity, Total as CaCO3	356	mg/L	20.0	1		09/05/25 16:08			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.32	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 10:13	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 10:13	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-DUP1-051225		Lab ID: 60481852013		Collected: 09/03/25 10:40		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.43	mg/L	0.10	1	09/16/25 11:43	09/17/25 16:03	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.0	mg/L	1.0	1		09/11/25 22:15	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 18:16			

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-DUP2-090325		Lab ID: 60481852014		Collected: 09/03/25 10:45		Received: 09/04/25 17:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	138	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:07	7439-95-4		
Potassium, Total Recoverable	1.8	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:07	7440-09-7		
Sodium, Total Recoverable	93.1	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:07	7440-23-5		
Total Hardness by 2340B, Total Recoverable	1750	mg/L	0.50	1	09/10/25 12:00	09/19/25 14:07			
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	135	mg/L	0.050	1	09/10/25 12:00	09/19/25 14:04	7439-95-4		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.022	mg/L	0.010	1	09/11/25 07:55	09/19/25 16:08	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.97	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:54	7429-90-5		
Iron, Total Recoverable	0.85	mg/L	0.050	1	09/10/25 12:00	09/11/25 12:54	7439-89-6		
Manganese, Total Recoverable	0.45	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:54	7439-96-5		
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 14:01	7429-90-5		
Iron, Dissolved	<0.050	mg/L	0.050	1	09/10/25 12:00	09/11/25 14:01	7439-89-6		
Manganese, Dissolved	0.46	mg/L	0.0010	1	09/10/25 12:00	09/11/25 14:01	7439-96-5	D9	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	433	mg/L	20.0	1		09/05/25 16:16			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	20.0	1		09/05/25 16:16			
Alkalinity, Total as CaCO3	433	mg/L	20.0	1		09/05/25 16:16			
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	<0.20	mg/L	0.20	1		09/08/25 14:35	15438-31-0	H6	
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.050	mg/L	0.050	1		09/05/25 17:15	18496-25-8		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.10	mg/L	0.10	1		09/05/25 10:39	14797-55-8		
Nitrite as N	<0.10	mg/L	0.10	1		09/05/25 10:39	14797-65-0		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Sample: LAC-DUP2-090325		Lab ID: 60481852014		Collected: 09/03/25 10:45		Received: 09/04/25 17:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	<0.10	mg/L	0.10	1	09/16/25 11:43	09/17/25 16:05	7723-14-0		
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	<1.0	mg/L	1.0	1		09/11/25 22:29	7440-44-0		
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	<1.0	mg/L	1.0	1		09/23/25 18:59			

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947229	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK:	3754326	Matrix:	Water
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hardness, Total(SM 2340B)	mg/L	<0.50	0.50	09/19/25 14:16	
Magnesium	mg/L	<0.050	0.050	09/19/25 14:16	
Potassium	mg/L	<0.50	0.50	09/19/25 14:16	
Sodium	mg/L	<0.50	0.50	09/19/25 14:16	

LABORATORY CONTROL SAMPLE: 3754327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	66.2	68.1	103	85-115	
Magnesium	mg/L	10	10.3	103	85-115	
Potassium	mg/L	10	10.2	102	85-115	
Sodium	mg/L	10	10.4	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754328 3754329

Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hardness, Total(SM 2340B)	mg/L	291	66.2	66.2	329	351	57	91	70-130	6	20	
Magnesium	mg/L	39.7	10	10	45.7	48.9	60	92	70-130	7	20	M1
Potassium	mg/L	4.4	10	10	14.2	14.6	97	101	70-130	3	20	
Sodium	mg/L	118	10	10	118	127	2	86	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 3754330

Parameter	Units	60481852010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	283	66.2	344	92	70-130	
Magnesium	mg/L	38.2	10	47.4	92	70-130	
Potassium	mg/L	5.4	10	15.7	103	70-130	
Sodium	mg/L	165	10	174	97	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

QC Batch:	947227	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3754310 Matrix: Water
Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.050	0.050	09/19/25 13:20	

LABORATORY CONTROL SAMPLE: 3754311						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754312					3754313							
Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	39.2	10	10	47.7	48.3	86	92	70-130	1	20	

MATRIX SPIKE SAMPLE:		3754314					
		60481852010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	mg/L	36.0	10	45.4	94	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947231	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3754335

Matrix: Water

Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/L	<0.050	0.050	09/11/25 11:55	
Iron	mg/L	<0.050	0.050	09/11/25 11:55	
Manganese	mg/L	<0.0010	0.0010	09/11/25 11:55	

LABORATORY CONTROL SAMPLE: 3754336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.0	102	85-115	
Iron	mg/L	1	1.0	102	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754337 3754338

Parameter	Units	60481852002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	<0.050	1	1	1.1	1.1	111	107	70-130	3	20	
Iron	mg/L	<0.050	1	1	0.92	0.91	92	91	70-130	1	20	
Manganese	mg/L	<0.0010	0.04	0.04	0.036	0.035	89	88	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754339

Parameter	Units	60481852011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	<0.050	1	1.1	105	70-130	
Iron	mg/L	<0.050	1	0.96	93	70-130	
Manganese	mg/L	0.011	0.04	0.047	91	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947228	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3754320

Matrix: Water

Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	0.050	09/11/25 13:02	
Iron, Dissolved	mg/L	<0.050	0.050	09/11/25 13:02	
Manganese, Dissolved	mg/L	<0.0010	0.0010	09/11/25 13:02	

LABORATORY CONTROL SAMPLE: 3754321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	100	85-115	
Iron, Dissolved	mg/L	1	1.1	106	85-115	
Manganese, Dissolved	mg/L	0.04	0.043	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754322 3754323

Parameter	Units	60481852002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.050	1	1	1.1	1.0	107	104	70-130	3	20	
Iron, Dissolved	mg/L	<0.050	1	1	0.93	0.89	89	86	70-130	3	20	
Manganese, Dissolved	mg/L	<0.0010	0.04	0.04	0.036	0.034	89	86	70-130	3	20	

MATRIX SPIKE SAMPLE: 3754324

Parameter	Units	60481852011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	1	1.0	104	70-130	
Iron, Dissolved	mg/L	<0.050	1	0.94	94	70-130	
Manganese, Dissolved	mg/L	0.0037	0.04	0.040	90	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

QC Batch:	947588	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3755968 Matrix: Water
Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.010	0.010	09/19/25 15:16	

LABORATORY CONTROL SAMPLE: 3755969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3755970 3755971

Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.042	2	2	2.0	2.0	97	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947034	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK:	3753466	Matrix:	Water
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	20.0	09/05/25 13:54	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	20.0	09/05/25 13:54	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	20.0	09/05/25 13:54	

LABORATORY CONTROL SAMPLE: 3753467						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	457	91	90-110	

SAMPLE DUPLICATE: 3753468						
Parameter	Units	60481627001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	123	119	4	10	
Alkalinity,Bicarbonate (CaCO3)	mg/L	123	119	4	10	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3753469						
Parameter	Units	60481852009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	607	600	1	10	
Alkalinity,Bicarbonate (CaCO3)	mg/L	607	600	1	10	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947219	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK:	3754290	Matrix:	Water
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	09/08/25 14:35	H6

LABORATORY CONTROL SAMPLE:	3754291					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.0	101	90-110	H6

SAMPLE DUPLICATE:	3754292					
Parameter	Units	60481852005 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	0.32	0.38	17	20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947109	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK:	3753810	Matrix:	Water
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.050	0.050	09/05/25 17:15	

LABORATORY CONTROL SAMPLE: 3753811						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.50	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3753813					3753814							
		60481797001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Sulfide, Total	mg/L	0.063	0.5	0.5	0.12	0.12	12	12	75-125	3	20	M1

SAMPLE DUPLICATE: 3753812						
Parameter	Units	60481797001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.063	0.068	8	20	

SAMPLE DUPLICATE: 3753815						
Parameter	Units	60481852001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	2.2	2.3	3	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947040	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3753493

Matrix: Water

Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.10	0.10	09/05/25 09:34	
Nitrite as N	mg/L	<0.10	0.10	09/05/25 09:34	

LABORATORY CONTROL SAMPLE: 3753494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	1.9	94	90-110	
Nitrite as N	mg/L	2	1.9	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3753495 3753496

Parameter	Units	60481852007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.66	2	2	2.6	2.9	97	112	80-120	11	15	H1
Nitrite as N	mg/L	<0.10	2	2	1.7	1.7	84	86	80-120	3	15	H1

MATRIX SPIKE SAMPLE: 3753497

Parameter	Units	60481852001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	<0.10	2	1.9	97	80-120	
Nitrite as N	mg/L	<0.10	2	2.0	98	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

QC Batch:	947921	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK:	3757392	Matrix:	Water
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	<0.10	0.10	09/17/25 15:21	

LABORATORY CONTROL SAMPLE:	3757393					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3757394					3757396							
		60481810004	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Phosphorus	mg/L	12.1	5	5	17.7	18.2	113	122	80-120	2	10	M1

SAMPLE DUPLICATE: 3757395						
		60481810004	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Phosphorus	mg/L	12.1	11.7	3	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

QC Batch:	947696	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3756436 Matrix: Water
Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	09/11/25 16:50	

LABORATORY CONTROL SAMPLE: 3756437						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE:		3756438					
		60481627001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Total Organic Carbon	mg/L	3.9	5	8.4	90	80-120	

SAMPLE DUPLICATE: 3756439						
Parameter	Units	60481627001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	3.9	4.0	2	25	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

QC Batch:	949142	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014		

METHOD BLANK: 3761738 Matrix: Water
Associated Lab Samples: 60481852001, 60481852002, 60481852003, 60481852004, 60481852005, 60481852006, 60481852007, 60481852008, 60481852009, 60481852010, 60481852011, 60481852012, 60481852013, 60481852014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<1.0	1.0	09/23/25 14:02	

LABORATORY CONTROL SAMPLE: 3761739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.0	101	80-120	

MATRIX SPIKE SAMPLE: 3761740

Parameter	Units	60481852002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.0	5	6.4	107	80-120	

SAMPLE DUPLICATE: 3761741

Parameter	Units	60481852002 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	1.0	<1.0		25	

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QUALIFIERS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

H1 Analysis conducted outside the EPA method holding time.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481852001	LAC-MW-14R-090325	EPA 200.7	947229	EPA 200.7	947509
60481852002	LAC-MW-15-090325	EPA 200.7	947229	EPA 200.7	947509
60481852003	LAC-MW-601-090325	EPA 200.7	947229	EPA 200.7	947509
60481852004	LAC-MW-602-090325	EPA 200.7	947229	EPA 200.7	947509
60481852005	LAC-MW-701-090325	EPA 200.7	947229	EPA 200.7	947509
60481852006	LAC-MW-703-090325	EPA 200.7	947229	EPA 200.7	947509
60481852007	LAC-MW-704-090325	EPA 200.7	947229	EPA 200.7	947509
60481852008	LAC-MW-801-090325	EPA 200.7	947229	EPA 200.7	947509
60481852009	LAC-MW-802-090325	EPA 200.7	947229	EPA 200.7	947509
60481852010	LAC-MW-803-090325	EPA 200.7	947229	EPA 200.7	947509
60481852011	LAC-MW-804-090325	EPA 200.7	947229	EPA 200.7	947509
60481852012	LAC-MW-805-090325	EPA 200.7	947229	EPA 200.7	947509
60481852013	LAC-DUP1-051225	EPA 200.7	947229	EPA 200.7	947509
60481852014	LAC-DUP2-090325	EPA 200.7	947229	EPA 200.7	947509
60481852001	LAC-MW-14R-090325	EPA 200.7	947227	EPA 200.7	947503
60481852002	LAC-MW-15-090325	EPA 200.7	947227	EPA 200.7	947503
60481852003	LAC-MW-601-090325	EPA 200.7	947227	EPA 200.7	947503
60481852004	LAC-MW-602-090325	EPA 200.7	947227	EPA 200.7	947503
60481852005	LAC-MW-701-090325	EPA 200.7	947227	EPA 200.7	947503
60481852006	LAC-MW-703-090325	EPA 200.7	947227	EPA 200.7	947503
60481852007	LAC-MW-704-090325	EPA 200.7	947227	EPA 200.7	947503
60481852008	LAC-MW-801-090325	EPA 200.7	947227	EPA 200.7	947503
60481852009	LAC-MW-802-090325	EPA 200.7	947227	EPA 200.7	947503
60481852010	LAC-MW-803-090325	EPA 200.7	947227	EPA 200.7	947503
60481852011	LAC-MW-804-090325	EPA 200.7	947227	EPA 200.7	947503
60481852012	LAC-MW-805-090325	EPA 200.7	947227	EPA 200.7	947503
60481852013	LAC-DUP1-051225	EPA 200.7	947227	EPA 200.7	947503
60481852014	LAC-DUP2-090325	EPA 200.7	947227	EPA 200.7	947503
60481852001	LAC-MW-14R-090325	EPA 3010	947588	EPA 6010	947601
60481852002	LAC-MW-15-090325	EPA 3010	947588	EPA 6010	947601
60481852003	LAC-MW-601-090325	EPA 3010	947588	EPA 6010	947601
60481852004	LAC-MW-602-090325	EPA 3010	947588	EPA 6010	947601
60481852005	LAC-MW-701-090325	EPA 3010	947588	EPA 6010	947601
60481852006	LAC-MW-703-090325	EPA 3010	947588	EPA 6010	947601
60481852007	LAC-MW-704-090325	EPA 3010	947588	EPA 6010	947601
60481852008	LAC-MW-801-090325	EPA 3010	947588	EPA 6010	947601
60481852009	LAC-MW-802-090325	EPA 3010	947588	EPA 6010	947601
60481852010	LAC-MW-803-090325	EPA 3010	947588	EPA 6010	947601
60481852011	LAC-MW-804-090325	EPA 3010	947588	EPA 6010	947601
60481852012	LAC-MW-805-090325	EPA 3010	947588	EPA 6010	947601
60481852013	LAC-DUP1-051225	EPA 3010	947588	EPA 6010	947601
60481852014	LAC-DUP2-090325	EPA 3010	947588	EPA 6010	947601
60481852001	LAC-MW-14R-090325	EPA 200.8	947231	EPA 200.8	947511
60481852002	LAC-MW-15-090325	EPA 200.8	947231	EPA 200.8	947511
60481852003	LAC-MW-601-090325	EPA 200.8	947231	EPA 200.8	947511
60481852004	LAC-MW-602-090325	EPA 200.8	947231	EPA 200.8	947511
60481852005	LAC-MW-701-090325	EPA 200.8	947231	EPA 200.8	947511

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481852006	LAC-MW-703-090325	EPA 200.8	947231	EPA 200.8	947511
60481852007	LAC-MW-704-090325	EPA 200.8	947231	EPA 200.8	947511
60481852008	LAC-MW-801-090325	EPA 200.8	947231	EPA 200.8	947511
60481852009	LAC-MW-802-090325	EPA 200.8	947231	EPA 200.8	947511
60481852010	LAC-MW-803-090325	EPA 200.8	947231	EPA 200.8	947511
60481852011	LAC-MW-804-090325	EPA 200.8	947231	EPA 200.8	947511
60481852012	LAC-MW-805-090325	EPA 200.8	947231	EPA 200.8	947511
60481852013	LAC-DUP1-051225	EPA 200.8	947231	EPA 200.8	947511
60481852014	LAC-DUP2-090325	EPA 200.8	947231	EPA 200.8	947511
60481852001	LAC-MW-14R-090325	EPA 200.8	947228	EPA 200.8	947504
60481852002	LAC-MW-15-090325	EPA 200.8	947228	EPA 200.8	947504
60481852003	LAC-MW-601-090325	EPA 200.8	947228	EPA 200.8	947504
60481852004	LAC-MW-602-090325	EPA 200.8	947228	EPA 200.8	947504
60481852005	LAC-MW-701-090325	EPA 200.8	947228	EPA 200.8	947504
60481852006	LAC-MW-703-090325	EPA 200.8	947228	EPA 200.8	947504
60481852007	LAC-MW-704-090325	EPA 200.8	947228	EPA 200.8	947504
60481852008	LAC-MW-801-090325	EPA 200.8	947228	EPA 200.8	947504
60481852009	LAC-MW-802-090325	EPA 200.8	947228	EPA 200.8	947504
60481852010	LAC-MW-803-090325	EPA 200.8	947228	EPA 200.8	947504
60481852011	LAC-MW-804-090325	EPA 200.8	947228	EPA 200.8	947504
60481852012	LAC-MW-805-090325	EPA 200.8	947228	EPA 200.8	947504
60481852013	LAC-DUP1-051225	EPA 200.8	947228	EPA 200.8	947504
60481852014	LAC-DUP2-090325	EPA 200.8	947228	EPA 200.8	947504
60481852001	LAC-MW-14R-090325	SM 2320B	947034		
60481852002	LAC-MW-15-090325	SM 2320B	947034		
60481852003	LAC-MW-601-090325	SM 2320B	947034		
60481852004	LAC-MW-602-090325	SM 2320B	947034		
60481852005	LAC-MW-701-090325	SM 2320B	947034		
60481852006	LAC-MW-703-090325	SM 2320B	947034		
60481852007	LAC-MW-704-090325	SM 2320B	947034		
60481852008	LAC-MW-801-090325	SM 2320B	947034		
60481852009	LAC-MW-802-090325	SM 2320B	947034		
60481852010	LAC-MW-803-090325	SM 2320B	947034		
60481852011	LAC-MW-804-090325	SM 2320B	947034		
60481852012	LAC-MW-805-090325	SM 2320B	947034		
60481852013	LAC-DUP1-051225	SM 2320B	947034		
60481852014	LAC-DUP2-090325	SM 2320B	947034		
60481852001	LAC-MW-14R-090325	SM 3500-Fe B#4	947219		
60481852002	LAC-MW-15-090325	SM 3500-Fe B#4	947219		
60481852003	LAC-MW-601-090325	SM 3500-Fe B#4	947219		
60481852004	LAC-MW-602-090325	SM 3500-Fe B#4	947219		
60481852005	LAC-MW-701-090325	SM 3500-Fe B#4	947219		
60481852006	LAC-MW-703-090325	SM 3500-Fe B#4	947219		
60481852007	LAC-MW-704-090325	SM 3500-Fe B#4	947219		
60481852008	LAC-MW-801-090325	SM 3500-Fe B#4	947219		
60481852009	LAC-MW-802-090325	SM 3500-Fe B#4	947219		
60481852010	LAC-MW-803-090325	SM 3500-Fe B#4	947219		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481852011	LAC-MW-804-090325	SM 3500-Fe B#4	947219		
60481852012	LAC-MW-805-090325	SM 3500-Fe B#4	947219		
60481852013	LAC-DUP1-051225	SM 3500-Fe B#4	947219		
60481852014	LAC-DUP2-090325	SM 3500-Fe B#4	947219		
60481852001	LAC-MW-14R-090325	SM 4500-S-2 D	947109		
60481852002	LAC-MW-15-090325	SM 4500-S-2 D	947109		
60481852003	LAC-MW-601-090325	SM 4500-S-2 D	947109		
60481852004	LAC-MW-602-090325	SM 4500-S-2 D	947109		
60481852005	LAC-MW-701-090325	SM 4500-S-2 D	947109		
60481852006	LAC-MW-703-090325	SM 4500-S-2 D	947109		
60481852007	LAC-MW-704-090325	SM 4500-S-2 D	947109		
60481852008	LAC-MW-801-090325	SM 4500-S-2 D	947109		
60481852009	LAC-MW-802-090325	SM 4500-S-2 D	947109		
60481852010	LAC-MW-803-090325	SM 4500-S-2 D	947109		
60481852011	LAC-MW-804-090325	SM 4500-S-2 D	947109		
60481852012	LAC-MW-805-090325	SM 4500-S-2 D	947109		
60481852013	LAC-DUP1-051225	SM 4500-S-2 D	947109		
60481852014	LAC-DUP2-090325	SM 4500-S-2 D	947109		
60481852001	LAC-MW-14R-090325	EPA 300.0	947040		
60481852002	LAC-MW-15-090325	EPA 300.0	947040		
60481852003	LAC-MW-601-090325	EPA 300.0	947040		
60481852004	LAC-MW-602-090325	EPA 300.0	947040		
60481852005	LAC-MW-701-090325	EPA 300.0	947040		
60481852006	LAC-MW-703-090325	EPA 300.0	947040		
60481852007	LAC-MW-704-090325	EPA 300.0	947040		
60481852008	LAC-MW-801-090325	EPA 300.0	947040		
60481852009	LAC-MW-802-090325	EPA 300.0	947040		
60481852010	LAC-MW-803-090325	EPA 300.0	947040		
60481852011	LAC-MW-804-090325	EPA 300.0	947040		
60481852012	LAC-MW-805-090325	EPA 300.0	947040		
60481852013	LAC-DUP1-051225	EPA 300.0	947040		
60481852014	LAC-DUP2-090325	EPA 300.0	947040		
60481852001	LAC-MW-14R-090325	EPA 365.4	947921	EPA 365.4	948602
60481852002	LAC-MW-15-090325	EPA 365.4	947921	EPA 365.4	948602
60481852003	LAC-MW-601-090325	EPA 365.4	947921	EPA 365.4	948602
60481852004	LAC-MW-602-090325	EPA 365.4	947921	EPA 365.4	948602
60481852005	LAC-MW-701-090325	EPA 365.4	947921	EPA 365.4	948602
60481852006	LAC-MW-703-090325	EPA 365.4	947921	EPA 365.4	948602
60481852007	LAC-MW-704-090325	EPA 365.4	947921	EPA 365.4	948602
60481852008	LAC-MW-801-090325	EPA 365.4	947921	EPA 365.4	948602
60481852009	LAC-MW-802-090325	EPA 365.4	947921	EPA 365.4	948602
60481852010	LAC-MW-803-090325	EPA 365.4	947921	EPA 365.4	948602
60481852011	LAC-MW-804-090325	EPA 365.4	947921	EPA 365.4	948602
60481852012	LAC-MW-805-090325	EPA 365.4	947921	EPA 365.4	948602
60481852013	LAC-DUP1-051225	EPA 365.4	947921	EPA 365.4	948602
60481852014	LAC-DUP2-090325	EPA 365.4	947921	EPA 365.4	948602
60481852001	LAC-MW-14R-090325	SM 5310C	947696		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481852002	LAC-MW-15-090325	SM 5310C	947696		
60481852003	LAC-MW-601-090325	SM 5310C	947696		
60481852004	LAC-MW-602-090325	SM 5310C	947696		
60481852005	LAC-MW-701-090325	SM 5310C	947696		
60481852006	LAC-MW-703-090325	SM 5310C	947696		
60481852007	LAC-MW-704-090325	SM 5310C	947696		
60481852008	LAC-MW-801-090325	SM 5310C	947696		
60481852009	LAC-MW-802-090325	SM 5310C	947696		
60481852010	LAC-MW-803-090325	SM 5310C	947696		
60481852011	LAC-MW-804-090325	SM 5310C	947696		
60481852012	LAC-MW-805-090325	SM 5310C	947696		
60481852013	LAC-DUP1-051225	SM 5310C	947696		
60481852014	LAC-DUP2-090325	SM 5310C	947696		
60481852001	LAC-MW-14R-090325	SM 5310C	949142		
60481852002	LAC-MW-15-090325	SM 5310C	949142		
60481852003	LAC-MW-601-090325	SM 5310C	949142		
60481852004	LAC-MW-602-090325	SM 5310C	949142		
60481852005	LAC-MW-701-090325	SM 5310C	949142		
60481852006	LAC-MW-703-090325	SM 5310C	949142		
60481852007	LAC-MW-704-090325	SM 5310C	949142		
60481852008	LAC-MW-801-090325	SM 5310C	949142		
60481852009	LAC-MW-802-090325	SM 5310C	949142		
60481852010	LAC-MW-803-090325	SM 5310C	949142		
60481852011	LAC-MW-804-090325	SM 5310C	949142		
60481852012	LAC-MW-805-090325	SM 5310C	949142		
60481852013	LAC-DUP1-051225	SM 5310C	949142		
60481852014	LAC-DUP2-090325	SM 5310C	949142		

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DC#_Title: ENV-FRM-LENE-0009_Sa

WO# : 60481852

Revision: 2

Effective Date: 01/12/



60481852

Client Name: Energy - Haley & AldrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ 2PLCThermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 0-3 Corr. Factor 0-0 Corrected 0-3Date and initials of person examining contents: 9/4/25 JATemperature should be above freezing to 6°C 0-8.1, 0-7 0-8.1, 0-7

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>NO</u>
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☒ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☒ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

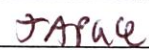
Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

 Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields				LAB USE ONLY- Affix Workorder/Login Label Here  60481852 Scan QR Code for instructions																
Company Name: Evergy_Haley & Aldrich			Contact/Report To: Jake Humphrey																			
Street Address: 818 S Kansas Avenue Topeka, KS 66612			Phone #: (913)634-0605																			
Customer Project #:			E-Mail: jake.humphrey@evergy.com																			
Project Name: La Cygne CCR Wells -Additional Analyses			Cc E-Mail: skaney@haleyaldrich.com																			
Site Collection Info/Facility ID (as applicable): La Cygne Generating Station			Invoice To: Lacygne-Evergy Payable																			
			Invoice E-Mail: apinvoicing@evergy.com																			
			Purchase Order # (if applicable): 3000222251																			
			Quote #:																			
Time Zone Collected: [] AK [] PT [] MT [☒] CT [] ET			County / State origin of sample(s): Kansas																			
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other			Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [☒] No																			
			Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other			DW PWSID # or WW Permit # as applicable: NA																
			Date Results Requested:			Field Filtered (if applicable): [☒] Yes [] No Analysis: DOC																
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																						
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine													
				Date	Time	Date	Time		Results	Units												
LaC-MW-14R-090325		GW	GRAB	-	-	9/3/2025	1400	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-15-090325		GW	GRAB	-	-	9/3/2025	1525	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-601-090325		GW	GRAB	-	-	9/3/2025	1540	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-602-090325		GW	GRAB	-	-	9/3/2025	1235	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-701-090325		GW	GRAB	-	-	9/3/2025	1040	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-703-090325		GW	GRAB	-	-	9/3/2025	1500	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-704-090325		GW	GRAB	-	-	9/3/2025	1140	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-801-090325		GW	GRAB	-	-	9/3/2025	1405	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-802-090325		GW	GRAB	-	-	9/3/2025	1315	11	-	-	X	X	X	X	X	X	X	X	X			
LaC-MW-803-090325		GW	GRAB	-	-	9/3/2025	1225	11	-	-	X	X	X	X	X	X	X	X	X			
Additional Instructions from Pace*: Total Metals: Mg, Na, K, Al, Fe, Mn, Hardness Dissolved Metals: Li, Fe, Al, Mg, Mn				Collected By: Jason R. Franks (Printed Name) Signature: 				Customer Remarks / Special Conditions / Possible Hazards:														
								# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:														
Relinquished by/Company: (Signature)  / SCS				Date/Time: 09/04/2025 / 17:30				Received by/Company: (Signature) 				Date/Time: 9/4/25 1705				Tracking Number:						
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time:				Delivered by: [] In- Person [] Courier						
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time:				[] FedEx [] UPS [] Other						
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time:				Page: 1 of 2						

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219								CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields							LAB USE ONLY- Affix Workorder/Login Label Here 60481852 Scan QR Code for instructions												
Company Name: Evergy_Haley & Aldrich Street Address: 818 S Kansas Avenue Topeka, KS 66612					Contact/Report To: Jake Humphrey Phone #: (913)634-0605 E-Mail: jake.humphrey@evergy.com Cc E-Mail: skaney@haleyaldrich.com																						
Customer Project #:					Project Name: La Cygne CCR Wells -Additional Analyses					Invoice To: Lacygne-Evergy Payable Invoice E-Mail: apinvoicing@evergy.com Purchase Order # (if applicable): 3000222251 Quote #:																	
Site Collection Info/Facility ID (as applicable): La Cygne Generating Station					Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET County / State origin of sample(s): Kansas																						
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other					Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [X] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____ DW PWSID # or WW Permit # as applicable: NA Date Results Requested: Field Filtered (if applicable): [X] Yes [] No Analysis: DOC																						
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																											
Customer Sample ID					Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine															
					Date	Time	Date	Time		Results	Units																
LaC-MW-804-090325					GW	GRAB	-	-	9/3/2025	1140	11	-	-	X	X	X	X	X	X	X	X	X	X				
LaC-MW-805-090325					GW	GRAB	-	-	9/3/2025	1045	11	-	-	X	X	X	X	X	X	X	X	X	X				
LaC-DUP1-051225					GW	GRAB	-	-	9/3/2025	1040	11	-	-	X	X	X	X	X	X	X	X	X	X				
LaC-DUP2-090325					GW	GRAB	-	-	9/3/2025	1045	11	-	-	X	X	X	X	X	X	X	X	X	X				
Additional Instructions from Pace*: Total Metals: Mg, Na, K, Al, Fe, Mn, Hardness Dissolved Metals: Li, Fe, Al, Mg, Mn					Collected By: Jason R. Franks Signature: Jason R. Franks					Customer Remarks / Special Conditions / Possible Hazards:																	
					# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:																						
Relinquished by/Company: (Signature) Jason R. Franks / SCS Date/Time: 05/13/2025 / 15:00					Received by/Company: (Signature) JAPage Date/Time: 9/4/25 1725					Tracking Number:																	
Relinquished by/Company: (Signature)					Received by/Company: (Signature)					Delivered by: [] In-Person [] Courier																	
Relinquished by/Company: (Signature)					Received by/Company: (Signature)					[] FedEx [] UPS [] Other																	
Relinquished by/Company: (Signature)					Received by/Company: (Signature)					Page: 2 of 2																	



September 26, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

EPA Lab Code: KS00021

Arkansas Certification #: 88-00679

Illinois Certification #: 200030

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Oklahoma Certification #: 9205

Texas Certification #: T104704407

Utah Certification #: KS0002125-15

UDSA_CA : #KS-SC-DOM-25-01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481909001	LAC-MW-6-090425	Water	09/04/25 11:25	09/05/25 14:35
60481909002	LAC-MW-7-090425	Water	09/04/25 12:15	09/05/25 14:35
60481909003	LAC-MW-13-090425	Water	09/04/25 09:55	09/05/25 14:35
60481909004	LAC-MW-14R-090325	Water	09/03/25 14:00	09/05/25 14:35
60481909005	LAC-MW-15-090325	Water	09/03/25 15:25	09/05/25 14:35
60481909006	LAC-MW-601-090325	Water	09/03/25 15:40	09/05/25 14:35
60481909007	LAC-MW-602-090325	Water	09/03/25 12:35	09/05/25 14:35
60481909008	LAC-MW-701-090325	Water	09/03/25 10:40	09/05/25 14:35
60481909009	LAC-MW-702-090425	Water	09/04/25 10:30	09/05/25 14:35
60481909010	LAC-MW-703-090325	Water	09/03/25 15:00	09/05/25 14:35
60481909011	LAC-MW-704-090325	Water	09/03/25 11:40	09/05/25 14:35
60481909012	LAC-MW-705-090425	Water	09/04/25 09:55	09/05/25 14:35
60481909013	LAC-MW-706-090425	Water	09/04/25 10:45	09/05/25 14:35
60481909014	LAC-MW-707B-090425	Water	09/04/25 12:25	09/05/25 14:35
60481909015	LAC-MW-708-090425	Water	09/04/25 13:10	09/05/25 14:35
60481909016	LAC-MW-801-090325	Water	09/03/25 14:05	09/05/25 14:35
60481909017	LAC-MW-802-090325	Water	09/03/25 13:15	09/05/25 14:35
60481909018	LAC-MW-803-090325	Water	09/03/25 12:25	09/05/25 14:35
60481909019	LAC-MW-804-090325	Water	09/03/25 11:40	09/05/25 14:35
60481909020	LAC-MW-805-090325	Water	09/03/25 10:45	09/05/25 14:35
60481909021	LAC-TW-1-090425	Water	09/04/25 11:40	09/05/25 14:35
60481909022	LAC-DUP1-090325	Water	09/03/25 10:40	09/05/25 14:35
60481909023	LAC-DUP2-090325	Water	09/03/25 10:45	09/05/25 14:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481909001	LAC-MW-6-090425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909002	LAC-MW-7-090425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909003	LAC-MW-13-090425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909004	LAC-MW-14R-090325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909005	LAC-MW-15-090325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909006	LAC-MW-601-090325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481909007	LAC-MW-602-090325	EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
60481909008	LAC-MW-701-090325	SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
60481909009	LAC-MW-702-090425	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
60481909010	LAC-MW-703-090325	SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
60481909011	LAC-MW-704-090325	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		EPA 200.8	CJM	6	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481909012	LAC-MW-705-090425	SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
60481909013	LAC-MW-706-090425	SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909014	LAC-MW-707B-090425	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS, PL	3	PASI-K
60481909015	LAC-MW-708-090425	EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
60481909016	LAC-MW-801-090325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481909017	LAC-MW-802-090325	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909018	LAC-MW-803-090325	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909019	LAC-MW-804-090325	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909020	LAC-MW-805-090325	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909021	LAC-TW-1-090425	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
60481909022	LAC-DUP1-090325	EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481909023	LAC-DUP2-090325	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 200.7	ARMN	2	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	6	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		EPA 300.0	GTS	3	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

23 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947229

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481852001,60481852010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754328)
- Calcium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

Method: EPA 6010
Description: 6010 MET ICP
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

23 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

23 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947294

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481909018,60481910004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754498)
- Barium

QC Batch: 948049

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481909004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 3757874)
- Manganese

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

23 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947233

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481888001,60481909005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754346)
- Mercury

R1: RPD value was outside control limits.

- MSD (Lab ID: 3754347)
- Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

Method: SM 2540C
Description: 2540C Total Dissolved Solids
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

23 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

23 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-DUP1-090325 (Lab ID: 60481909022)
- LAC-DUP2-090325 (Lab ID: 60481909023)
- LAC-MW-13-090425 (Lab ID: 60481909003)
- LAC-MW-14R-090325 (Lab ID: 60481909004)
- LAC-MW-15-090325 (Lab ID: 60481909005)
- LAC-MW-6-090425 (Lab ID: 60481909001)
- LAC-MW-601-090325 (Lab ID: 60481909006)
- LAC-MW-602-090325 (Lab ID: 60481909007)
- LAC-MW-7-090425 (Lab ID: 60481909002)
- LAC-MW-701-090325 (Lab ID: 60481909008)
- LAC-MW-702-090425 (Lab ID: 60481909009)
- LAC-MW-703-090325 (Lab ID: 60481909010)
- LAC-MW-704-090325 (Lab ID: 60481909011)
- LAC-MW-705-090425 (Lab ID: 60481909012)
- LAC-MW-706-090425 (Lab ID: 60481909013)
- LAC-MW-707B-090425 (Lab ID: 60481909014)
- LAC-MW-708-090425 (Lab ID: 60481909015)
- LAC-MW-801-090325 (Lab ID: 60481909016)
- LAC-MW-802-090325 (Lab ID: 60481909017)
- LAC-MW-803-090325 (Lab ID: 60481909018)
- LAC-MW-804-090325 (Lab ID: 60481909019)
- LAC-MW-805-090325 (Lab ID: 60481909020)
- LAC-TW-1-090425 (Lab ID: 60481909021)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

23 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 948610

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481686001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3759772)
 - Sulfate
- MSD (Lab ID: 3759773)
 - Sulfate

QC Batch: 948623

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481909013,60481909022

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3759821)
 - Chloride

QC Batch: 948874

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481446003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3760911)
 - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 948610

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3759772)
 - Sulfate

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PROJECT NARRATIVE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

Analyte Comments:

QC Batch: 948610

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MSD (Lab ID: 3759773)
- Sulfate

QC Batch: 948792

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3760599)
- Sulfate
- MSD (Lab ID: 3760600)
- Sulfate

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-6-090425		Lab ID: 60481909001	Collected: 09/04/25 11:25		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.1	mg/L	0.10	1	09/10/25 12:00	09/19/25 14:09	7440-42-8	
Calcium, Total Recoverable	77.2	mg/L	0.20	1	09/10/25 12:00	09/19/25 14:09	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.046	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:37	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Arsenic, Total Recoverable	0.0058	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7440-38-2	
Barium, Total Recoverable	0.19	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7440-39-3	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7440-48-4	
Manganese, Total Recoverable	0.53	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7439-96-5	
Molybdenum, Total Recoverable	0.0011	mg/L	0.0010	1	09/10/25 12:00	09/11/25 12:56	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:19	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1210	mg/L	40.0	1		09/11/25 16:03		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.3	Std. Units	0.10	1		09/09/25 09:26		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	151	mg/L	20.0	20		09/17/25 16:29	16887-00-6	
Fluoride	0.40	mg/L	0.20	1		09/17/25 15:51	16984-48-8	
Sulfate	94.7	mg/L	20.0	20		09/17/25 16:29	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-7-090425		Lab ID: 60481909002		Collected: 09/04/25 12:15		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.5	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:14	7440-42-8		
Calcium, Total Recoverable	20.1	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:14	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.073	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:43	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	0.0023	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7440-38-2		
Barium, Total Recoverable	0.55	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7440-48-4		
Manganese, Total Recoverable	0.025	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7439-96-5		
Molybdenum, Total Recoverable	0.0012	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:27	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:26	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1010	mg/L	20.0	1		09/11/25 16:03			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	1		09/09/25 09:26		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	81.1	mg/L	20.0	20		09/17/25 17:19	16887-00-6		
Fluoride	1.0	mg/L	0.20	1		09/17/25 17:06	16984-48-8		
Sulfate	<1.0	mg/L	1.0	1		09/17/25 17:06	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-13-090425		Lab ID: 60481909003		Collected: 09/04/25 09:55		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.33	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:23	7440-42-8		
Calcium, Total Recoverable	353	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:23	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.058	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:45	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7440-38-2	M1	
Barium, Total Recoverable	0.016	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7440-39-3	M1	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7440-47-3	M1	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7440-48-4	M1	
Manganese, Total Recoverable	0.0034	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7439-96-5	M1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:30	7439-98-7	M1	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:29	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2580	mg/L	66.7	1		09/11/25 16:03			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.7	Std. Units	0.10	1		09/09/25 09:25		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	27.7	mg/L	20.0	20		09/17/25 18:09	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		09/17/25 17:57	16984-48-8		
Sulfate	1480	mg/L	100	100		09/18/25 12:15	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-14R-090325		Lab ID: 60481909004		Collected: 09/03/25 14:00		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.78	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:25	7440-42-8		
Calcium, Total Recoverable	53.0	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:25	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.041	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:46	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	0.0021	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7440-38-2		
Barium, Total Recoverable	0.040	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7440-48-4		
Manganese, Total Recoverable	0.22	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7439-96-5	M1	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:16	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:31	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	601	mg/L	13.3	1		09/09/25 14:25			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.3	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	6.7	mg/L	1.0	1		09/17/25 18:21	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		09/17/25 18:21	16984-48-8		
Sulfate	40.6	mg/L	20.0	20		09/17/25 18:34	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-15-090325		Lab ID: 60481909005		Collected: 09/03/25 15:25		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.22	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:27	7440-42-8		
Calcium, Total Recoverable	102	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:27	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.025	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:48	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7440-38-2		
Barium, Total Recoverable	0.044	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7440-48-4		
Manganese, Total Recoverable	0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:32	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:33	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	780	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.2	Std. Units	0.10	1		09/09/25 09:24		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	10.4	mg/L	1.0	1		09/17/25 18:47	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		09/17/25 18:47	16984-48-8		
Sulfate	167	mg/L	20.0	20		09/17/25 18:59	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-601-090325		Lab ID: 60481909006		Collected: 09/03/25 15:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.8	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:56	7440-42-8		
Calcium, Total Recoverable	15.7	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:56	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.071	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:56	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7440-38-2		
Barium, Total Recoverable	0.13	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7440-48-4		
Manganese, Total Recoverable	0.055	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:38	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:38	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1060	mg/L	20.0	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	1		09/09/25 09:24		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	161	mg/L	20.0	20		09/17/25 19:24	16887-00-6		
Fluoride	1.4	mg/L	0.20	1		09/17/25 19:12	16984-48-8		
Sulfate	5.1	mg/L	1.0	1		09/17/25 19:12	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-602-090325		Lab ID: 60481909007		Collected: 09/03/25 12:35		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.4	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:34	7440-42-8		
Calcium, Total Recoverable	23.2	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:34	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.057	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:58	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7440-38-2		
Barium, Total Recoverable	0.099	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7440-39-3		
Chromium, Total Recoverable	0.0011	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7440-48-4		
Manganese, Total Recoverable	0.025	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:41	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:40	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	648	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	16.2	mg/L	1.0	1		09/17/25 19:37	16887-00-6		
Fluoride	0.89	mg/L	0.20	1		09/17/25 19:37	16984-48-8		
Sulfate	26.8	mg/L	20.0	20		09/17/25 19:49	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-701-090325		Lab ID: 60481909008		Collected: 09/03/25 10:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.95	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:36	7440-42-8		
Calcium, Total Recoverable	48.5	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:36	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.043	mg/L	0.010	1	09/11/25 10:00	09/23/25 15:59	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	0.0014	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7440-38-2		
Barium, Total Recoverable	0.21	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7440-48-4		
Manganese, Total Recoverable	0.17	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7439-96-5		
Molybdenum, Total Recoverable	0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:43	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:42	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	613	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:21		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	51.9	mg/L	20.0	20		09/17/25 20:40	16887-00-6		
Fluoride	0.40	mg/L	0.20	1		09/17/25 20:27	16984-48-8		
Sulfate	79.6	mg/L	20.0	20		09/17/25 20:40	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-702-090425		Lab ID: 60481909009		Collected: 09/04/25 10:30		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.8	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:38	7440-42-8		
Calcium, Total Recoverable	17.3	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:38	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.058	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:01	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7440-38-2		
Barium, Total Recoverable	0.44	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7440-48-4		
Manganese, Total Recoverable	0.019	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:49	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:44	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	748	mg/L	13.3	1		09/11/25 16:03			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	1		09/09/25 09:25		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	48.3	mg/L	20.0	20		09/17/25 21:05	16887-00-6		
Fluoride	1.3	mg/L	0.20	1		09/17/25 20:52	16984-48-8		
Sulfate	1.1	mg/L	1.0	1		09/17/25 20:52	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-703-090325		Lab ID: 60481909010		Collected: 09/03/25 15:00		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.4	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:40	7440-42-8		
Calcium, Total Recoverable	33.7	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:40	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.046	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:09	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7440-38-2		
Barium, Total Recoverable	0.32	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7440-48-4		
Manganese, Total Recoverable	0.16	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:52	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:47	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	920	mg/L	20.0	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:24		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	47.5	mg/L	20.0	20		09/17/25 21:43	16887-00-6		
Fluoride	0.72	mg/L	0.20	1		09/17/25 21:17	16984-48-8		
Sulfate	61.4	mg/L	20.0	20		09/17/25 21:43	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-704-090325		Lab ID: 60481909011	Collected: 09/03/25 11:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	2.0	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:42	7440-42-8	
Calcium, Total Recoverable	22.6	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:42	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.095	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:11	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7440-38-2	
Barium, Total Recoverable	0.061	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7440-39-3	
Chromium, Total Recoverable	0.0011	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7440-48-4	
Manganese, Total Recoverable	0.016	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7439-96-5	
Molybdenum, Total Recoverable	0.0032	mg/L	0.0010	1	09/15/25 13:16	09/16/25 10:54	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:54	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	1370	mg/L	40.0	1		09/09/25 14:26		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.5	Std. Units	0.10	1		09/09/25 09:23		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	83.5	mg/L	20.0	20		09/17/25 22:20	16887-00-6	
Fluoride	0.60	mg/L	0.20	1		09/17/25 22:08	16984-48-8	
Sulfate	163	mg/L	20.0	20		09/17/25 22:20	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-705-090425		Lab ID: 60481909012		Collected: 09/04/25 09:55		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.1	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:45	7440-42-8		
Calcium, Total Recoverable	29.2	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:45	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.12	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:12	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7440-38-2		
Barium, Total Recoverable	0.087	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7440-48-4		
Manganese, Total Recoverable	0.017	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:00	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:56	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1070	mg/L	20.0	1		09/11/25 16:04			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:25		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	130	mg/L	20.0	20		09/17/25 23:11	16887-00-6		
Fluoride	0.80	mg/L	0.20	1		09/17/25 22:58	16984-48-8		
Sulfate	38.6	mg/L	20.0	20		09/17/25 23:11	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-706-090425		Lab ID: 60481909013		Collected: 09/04/25 10:45		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.1	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:47	7440-42-8		
Calcium, Total Recoverable	25.1	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:47	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.12	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:14	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7440-38-2		
Barium, Total Recoverable	0.24	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7440-48-4		
Manganese, Total Recoverable	0.051	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:05	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 10:58	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1380	mg/L	40.0	1		09/11/25 16:04			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	1		09/09/25 09:25		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	234	mg/L	20.0	20		09/18/25 16:02	16887-00-6	M1	
Fluoride	0.80	mg/L	0.20	1		09/18/25 15:25	16984-48-8		
Sulfate	4.7	mg/L	1.0	1		09/18/25 15:25	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-707B-090425		Lab ID: 60481909014	Collected: 09/04/25 12:25	Received: 09/05/25 14:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	1.8	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:49	7440-42-8	
Calcium, Total Recoverable	394	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:49	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	1.4	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:16	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7440-38-2	
Barium, Total Recoverable	0.017	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7440-39-3	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7440-47-3	
Cobalt, Total Recoverable	0.014	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7440-48-4	
Manganese, Total Recoverable	2.3	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7439-96-5	
Molybdenum, Total Recoverable	0.0051	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:12	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:01	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	8920	mg/L	250	1		09/11/25 16:04		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	6.8	Std. Units	0.10	1		09/09/25 09:26		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	122	mg/L	20.0	20		09/18/25 16:53	16887-00-6	
Fluoride	<0.20	mg/L	0.20	1		09/18/25 16:40	16984-48-8	
Sulfate	5430	mg/L	400	400		09/20/25 14:21	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-708-090425		Lab ID: 60481909015		Collected: 09/04/25 13:10		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.3	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:01	7440-42-8		
Calcium, Total Recoverable	28.2	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:01	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.074	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:24	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7440-38-2		
Barium, Total Recoverable	0.26	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7440-48-4		
Manganese, Total Recoverable	0.12	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:14	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:07	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	711	mg/L	13.3	1		09/11/25 16:04			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:26		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	48.8	mg/L	20.0	20		09/18/25 17:43	16887-00-6		
Fluoride	0.25	mg/L	0.20	1		09/18/25 17:30	16984-48-8		
Sulfate	9.8	mg/L	1.0	1		09/18/25 17:30	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-801-090325		Lab ID: 60481909016		Collected: 09/03/25 14:05		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.2	mg/L	0.10	1	09/11/25 05:04	09/23/25 13:03	7440-42-8		
Calcium, Total Recoverable	24.7	mg/L	0.20	1	09/11/25 05:04	09/23/25 13:03	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.085	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:25	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	0.0011	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7440-38-2		
Barium, Total Recoverable	0.50	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7440-48-4		
Manganese, Total Recoverable	0.029	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7439-96-5		
Molybdenum, Total Recoverable	0.0020	mg/L	0.0010	1	09/15/25 13:16	09/16/25 11:17	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:14	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	912	mg/L	20.0	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	91.3	mg/L	20.0	20		09/18/25 18:08	16887-00-6		
Fluoride	0.93	mg/L	0.20	1		09/18/25 17:56	16984-48-8		
Sulfate	<1.0	mg/L	1.0	1		09/18/25 17:56	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-802-090325		Lab ID: 60481909017		Collected: 09/03/25 13:15		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.4	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:02	7440-42-8		
Calcium, Total Recoverable	27.4	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:02	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.085	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:27	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7440-38-2		
Barium, Total Recoverable	0.95	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7440-48-4		
Manganese, Total Recoverable	0.0077	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:10	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:21	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	752	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	41.2	mg/L	20.0	20		09/18/25 18:33	16887-00-6		
Fluoride	0.80	mg/L	0.20	1		09/18/25 18:21	16984-48-8		
Sulfate	<1.0	mg/L	1.0	1		09/18/25 18:21	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-803-090325		Lab ID: 60481909018		Collected: 09/03/25 12:25		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	2.1	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:07	7440-42-8		
Calcium, Total Recoverable	47.6	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:07	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.060	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:29	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7440-38-2		
Barium, Total Recoverable	0.23	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7440-48-4		
Manganese, Total Recoverable	0.020	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7439-96-5		
Molybdenum, Total Recoverable	0.0060	mg/L	0.0010	1	09/10/25 04:17	09/12/25 09:59	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:23	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	740	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	50.6	mg/L	20.0	20		09/18/25 18:58	16887-00-6		
Fluoride	0.48	mg/L	0.20	1		09/18/25 18:46	16984-48-8		
Sulfate	54.5	mg/L	20.0	20		09/18/25 18:58	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-804-090325		Lab ID: 60481909019		Collected: 09/03/25 11:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.6	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:09	7440-42-8		
Calcium, Total Recoverable	72.4	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:09	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.038	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:31	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7440-38-2		
Barium, Total Recoverable	0.18	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7440-48-4		
Manganese, Total Recoverable	0.013	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:12	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:26	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	636	mg/L	13.3	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.2	Std. Units	0.10	1		09/09/25 09:23		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	51.7	mg/L	20.0	20		09/18/25 19:24	16887-00-6		
Fluoride	0.37	mg/L	0.20	1		09/18/25 19:11	16984-48-8		
Sulfate	26.6	mg/L	20.0	20		09/18/25 19:24	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-MW-805-090325		Lab ID: 60481909020		Collected: 09/03/25 10:45		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.49	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:11	7440-42-8		
Calcium, Total Recoverable	469	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:11	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.020	mg/L	0.010	1	09/11/25 10:00	09/23/25 16:33	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7440-38-2		
Barium, Total Recoverable	0.032	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7440-48-4		
Manganese, Total Recoverable	0.57	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:15	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:28	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2540	mg/L	100	1		09/09/25 14:26			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.3	Std. Units	0.10	1		09/09/25 09:21		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	509	mg/L	100	100		09/19/25 22:43	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		09/18/25 20:01	16984-48-8		
Sulfate	735	mg/L	100	100		09/19/25 22:43	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-TW-1-090425		Lab ID: 60481909021		Collected: 09/04/25 11:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	1.4	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:13	7440-42-8		
Calcium, Total Recoverable	24.7	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:13	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.13	mg/L	0.010	1	09/11/25 13:11	09/23/25 18:41	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7440-38-2		
Barium, Total Recoverable	0.064	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7440-48-4		
Manganese, Total Recoverable	0.0040	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:21	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:30	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1110	mg/L	20.0	1		09/11/25 16:04			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		09/09/25 09:26		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	42.3	mg/L	20.0	20		09/18/25 20:39	16887-00-6		
Fluoride	0.25	mg/L	0.20	1		09/18/25 20:27	16984-48-8		
Sulfate	67.1	mg/L	20.0	20		09/18/25 20:39	14808-79-8		

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-DUP1-090325		Lab ID: 60481909022	Collected: 09/03/25 10:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City						
Boron, Total Recoverable	0.91	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:20	7440-42-8	
Calcium, Total Recoverable	45.4	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:20	7440-70-2	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City						
Lithium, Total Recoverable	0.041	mg/L	0.010	1	09/11/25 13:11	09/23/25 18:46	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City						
Arsenic, Total Recoverable	0.0013	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7440-38-2	
Barium, Total Recoverable	0.20	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7440-39-3	
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7440-47-3	
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7440-48-4	
Manganese, Total Recoverable	0.16	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7439-96-5	
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:23	7439-98-7	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City						
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:33	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City						
Total Dissolved Solids	608	mg/L	13.3	1		09/09/25 14:26		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		09/09/25 09:21		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City						
Chloride	46.0	mg/L	20.0	20		09/18/25 21:17	16887-00-6	
Fluoride	0.52	mg/L	0.20	1		09/18/25 20:52	16984-48-8	
Sulfate	78.9	mg/L	20.0	20		09/18/25 21:17	14808-79-8	

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ANALYTICAL RESULTS

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Sample: LAC-DUP2-090325		Lab ID: 60481909023		Collected: 09/03/25 10:45		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Boron, Total Recoverable	0.49	mg/L	0.10	1	09/10/25 04:17	09/22/25 12:22	7440-42-8		
Calcium, Total Recoverable	484	mg/L	0.20	1	09/10/25 04:17	09/22/25 12:22	7440-70-2		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Total Recoverable	0.022	mg/L	0.010	1	09/11/25 13:11	09/23/25 18:48	7439-93-2		
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Arsenic, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7440-38-2		
Barium, Total Recoverable	0.031	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7440-39-3		
Chromium, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7440-47-3		
Cobalt, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7440-48-4		
Manganese, Total Recoverable	0.57	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7439-96-5		
Molybdenum, Total Recoverable	<0.0010	mg/L	0.0010	1	09/10/25 04:17	09/12/25 10:25	7439-98-7		
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Kansas City							
Mercury	<0.20	ug/L	0.20	1	09/08/25 15:18	09/09/25 11:35	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	2480	mg/L	100	1		09/09/25 14:27			
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	6.3	Std. Units	0.10	1		09/09/25 09:21		H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	515	mg/L	100	100		09/19/25 23:21	16887-00-6		
Fluoride	<0.20	mg/L	0.20	1		09/18/25 21:42	16984-48-8		
Sulfate	744	mg/L	100	100		09/19/25 23:21	14808-79-8		

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947233	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014		

METHOD BLANK: 3754344 Matrix: Water
Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	09/09/25 09:59	

LABORATORY CONTROL SAMPLE: 3754345		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
Mercury	ug/L	5	4.4	87	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754346					3754347							
Parameter	Units	60481888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	3.0	5.2	60	104	70-130	54	20	M1,R1

MATRIX SPIKE SAMPLE: 3754348		60481909005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units						
Mercury	ug/L	<0.20	5	4.6	93	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch: 947234 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

METHOD BLANK: 3754349 Matrix: Water
Associated Lab Samples: 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	09/09/25 11:03	

LABORATORY CONTROL SAMPLE: 3754350		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
Mercury	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754351					3754352							
Parameter	Units	60481909015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.7	4.6	94	92	70-130	2	20	

MATRIX SPIKE SAMPLE: 3754353		60481916001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units						
Mercury	ug/L	<0.17	5	4.9	98	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947229	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909001

METHOD BLANK: 3754326 Matrix: Water

Associated Lab Samples: 60481909001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	09/19/25 14:16	
Calcium	mg/L	<0.20	0.20	09/19/25 14:16	

LABORATORY CONTROL SAMPLE: 3754327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.99	99	85-115	
Calcium	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754328 3754329

Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.77	1	1	1.7	1.7	89	98	70-130	5	20	
Calcium	mg/L	51.1	10	10	56.3	59.8	52	87	70-130	6	20 M1	

MATRIX SPIKE SAMPLE: 3754330

Parameter	Units	60481852010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	2.0	1	3.0	99	70-130	
Calcium	mg/L	50.1	10	59.3	92	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch:	947291	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016		

METHOD BLANK:	3754479	Matrix:	Water
Associated Lab Samples:	60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	09/23/25 13:10	
Calcium	mg/L	<0.20	0.20	09/23/25 13:10	

LABORATORY CONTROL SAMPLE: 3754480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.94	94	85-115	
Calcium	mg/L	10	10.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754481 3754482

Parameter	Units	60481909002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	1.5	1	1	2.5	2.5	96	104	70-130	3	20	
Calcium	mg/L	20.1	10	10	29.9	30.9	98	108	70-130	3	20	

MATRIX SPIKE SAMPLE: 3754483

Parameter	Units	60481909011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	2.0	1	3.1	113	70-130	
Calcium	mg/L	22.6	10	34.6	119	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947293	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

METHOD BLANK: 3754489 Matrix: Water
Associated Lab Samples: 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	<0.10	0.10	09/22/25 11:58	
Calcium	mg/L	<0.20	0.20	09/22/25 11:58	

LABORATORY CONTROL SAMPLE: 3754490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.96	96	85-115	
Calcium	mg/L	10	10.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754491 3754492

Parameter	Units	60481909017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	2.4	1	1	3.5	3.4	106	101	70-130	1	20	
Calcium	mg/L	27.4	10	10	37.9	37.8	105	104	70-130	0	20	

MATRIX SPIKE SAMPLE: 3754493

Parameter	Units	60481910003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.34	1	1.3	99	70-130	
Calcium	mg/L	361	10	369	81	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch:	947231	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909001

METHOD BLANK: 3754335 Matrix: Water

Associated Lab Samples: 60481909001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0010	0.0010	09/11/25 11:55	
Barium	mg/L	<0.0010	0.0010	09/11/25 11:55	
Chromium	mg/L	<0.0010	0.0010	09/11/25 11:55	
Cobalt	mg/L	<0.0010	0.0010	09/11/25 11:55	
Manganese	mg/L	<0.0010	0.0010	09/11/25 11:55	
Molybdenum	mg/L	<0.0010	0.0010	09/11/25 11:55	

LABORATORY CONTROL SAMPLE: 3754336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.04	0.041	102	85-115	
Barium	mg/L	0.04	0.040	101	85-115	
Chromium	mg/L	0.04	0.042	105	85-115	
Cobalt	mg/L	0.04	0.041	103	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	
Molybdenum	mg/L	0.04	0.040	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754337 3754338

Parameter	Units	60481852002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	<0.0010	0.04	0.04	0.041	0.040	101	100	70-130	1	20	
Barium	mg/L	0.043	0.04	0.04	0.083	0.083	101	101	70-130	0	20	
Chromium	mg/L	<0.0010	0.04	0.04	0.032	0.032	78	78	70-130	0	20	
Cobalt	mg/L	<0.0010	0.04	0.04	0.040	0.039	99	98	70-130	1	20	
Manganese	mg/L	<0.0010	0.04	0.04	0.036	0.035	89	88	70-130	1	20	
Molybdenum	mg/L	<0.0010	0.04	0.04	0.041	0.041	102	101	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754339

Parameter	Units	60481852011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.0010	0.04	0.042	103	70-130	
Barium	mg/L	0.17	0.04	0.22	108	70-130	
Chromium	mg/L	<0.0010	0.04	0.032	80	70-130	
Cobalt	mg/L	<0.0010	0.04	0.040	99	70-130	
Manganese	mg/L	0.011	0.04	0.047	91	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

MATRIX SPIKE SAMPLE:		3754339					
Parameter	Units	60481852011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/L	<0.0010	0.04	0.042	103	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch: 947294

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

METHOD BLANK: 3754494

Matrix: Water

Associated Lab Samples: 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0010	0.0010	09/12/25 09:52	
Barium	mg/L	<0.0010	0.0010	09/12/25 09:52	
Chromium	mg/L	<0.0010	0.0010	09/12/25 09:52	
Cobalt	mg/L	<0.0010	0.0010	09/12/25 09:52	
Manganese	mg/L	<0.0010	0.0010	09/12/25 09:52	
Molybdenum	mg/L	<0.0010	0.0010	09/12/25 09:52	

LABORATORY CONTROL SAMPLE: 3754495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.04	0.042	104	85-115	
Barium	mg/L	0.04	0.041	103	85-115	
Chromium	mg/L	0.04	0.042	105	85-115	
Cobalt	mg/L	0.04	0.042	106	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	
Molybdenum	mg/L	0.04	0.043	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754496 3754497

Parameter	Units	60481909018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	<0.0010	0.04	0.04	0.042	0.042	103	103	70-130	0	20	
Barium	mg/L	0.23	0.04	0.04	0.27	0.28	106	116	70-130	1	20	
Chromium	mg/L	<0.0010	0.04	0.04	0.041	0.041	100	101	70-130	1	20	
Cobalt	mg/L	<0.0010	0.04	0.04	0.041	0.042	103	104	70-130	1	20	
Manganese	mg/L	0.020	0.04	0.04	0.063	0.063	106	107	70-130	1	20	
Molybdenum	mg/L	0.0060	0.04	0.04	0.049	0.050	108	109	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754498

Parameter	Units	60481910004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.00053J	0.04	0.039	96	70-130	
Barium	mg/L	0.46	0.04	0.48	44	70-130	M1
Chromium	mg/L	0.00061J	0.04	0.038	93	70-130	
Cobalt	mg/L	0.00023J	0.04	0.039	98	70-130	
Manganese	mg/L	0.012	0.04	0.051	98	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

MATRIX SPIKE SAMPLE:		3754498					
Parameter	Units	60481910004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/L	0.00069J	0.04	0.042	103	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch:	948049	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016		

METHOD BLANK: 3757871

Matrix: Water

Associated Lab Samples: 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0010	0.0010	09/16/25 10:11	
Barium	mg/L	<0.0010	0.0010	09/16/25 10:11	
Chromium	mg/L	<0.0010	0.0010	09/16/25 10:11	
Cobalt	mg/L	<0.0010	0.0010	09/16/25 10:11	
Manganese	mg/L	<0.0010	0.0010	09/16/25 10:11	
Molybdenum	mg/L	<0.0010	0.0010	09/16/25 10:11	

LABORATORY CONTROL SAMPLE: 3757872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.04	0.041	104	85-115	
Barium	mg/L	0.04	0.042	106	85-115	
Chromium	mg/L	0.04	0.042	105	85-115	
Cobalt	mg/L	0.04	0.042	104	85-115	
Manganese	mg/L	0.04	0.043	107	85-115	
Molybdenum	mg/L	0.04	0.043	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3757873 3757874

Parameter	Units	60481909004		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits			
Arsenic	mg/L	0.0021	0.04	0.04	0.04	0.042	0.041	101	98	70-130	3	20	
Barium	mg/L	0.040	0.04	0.04	0.04	0.080	0.076	99	91	70-130	4	20	
Chromium	mg/L	<0.0010	0.04	0.04	0.04	0.040	0.039	98	97	70-130	2	20	
Cobalt	mg/L	<0.0010	0.04	0.04	0.04	0.039	0.038	98	96	70-130	2	20	
Manganese	mg/L	0.22	0.04	0.04	0.04	0.27	0.25	104	61	70-130	7	20 M1	
Molybdenum	mg/L	<0.0010	0.04	0.04	0.04	0.042	0.042	106	105	70-130	1	20	

SAMPLE DUPLICATE: 3758610

Parameter	Units	60481909012 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	<0.0010	<0.0010		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

SAMPLE DUPLICATE: 3758610

Parameter	Units	60481909012 Result	Dup Result	RPD	Max RPD	Qualifiers
Barium	mg/L	0.087	0.089	1	20	
Chromium	mg/L	<0.0010	<0.0010		20	
Cobalt	mg/L	<0.0010	<0.0010		20	
Manganese	mg/L	0.017	0.017	0	20	
Molybdenum	mg/L	<0.0010	<0.0010		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947615	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020

METHOD BLANK:	3756019	Matrix:	Water
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Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012, 60481909013, 60481909014, 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	09/23/25 15:33	

LABORATORY CONTROL SAMPLE: 3756020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3756021 3756022

Parameter	Units	60481909001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.046	1	1	1.0	1.0	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch: 947672

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory:

Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909021, 60481909022, 60481909023

METHOD BLANK: 3756280

Matrix: Water

Associated Lab Samples: 60481909021, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lithium	mg/L	<0.010	0.010	09/23/25 18:37	

LABORATORY CONTROL SAMPLE: 3756281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3756282 3756283

Parameter	Units	60481909021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.13	1	1	1.1	1.1	95	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947320	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909010, 60481909011, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909022, 60481909023		

METHOD BLANK: 3754563 Matrix: Water
Associated Lab Samples: 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909010, 60481909011, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	09/09/25 14:25	

LABORATORY CONTROL SAMPLE: 3754564						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	1020	102	80-120	

SAMPLE DUPLICATE: 3754565						
Parameter	Units	60481909004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	601	593	1	10	

SAMPLE DUPLICATE: 3754566						
Parameter	Units	60481909019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	636	643	1	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947589	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909009, 60481909012, 60481909013, 60481909014, 60481909015, 60481909021

METHOD BLANK:	3755972	Matrix:	Water
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Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909009, 60481909012, 60481909013, 60481909014, 60481909015, 60481909021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	09/11/25 16:03	

LABORATORY CONTROL SAMPLE: 3755973						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	1020	102	80-120	

SAMPLE DUPLICATE: 3755974						
Parameter	Units	60481909001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1210	1190	2	10	

SAMPLE DUPLICATE: 3755975						
Parameter	Units	60481916002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	654	641	2	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	947181	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909010, 60481909011, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909022, 60481909023		

SAMPLE DUPLICATE: 3754128

Parameter	Units	60481909008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	1	5	H3

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch: 947182

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909001, 60481909002, 60481909003, 60481909009, 60481909012, 60481909013, 60481909014, 60481909015, 60481909021

SAMPLE DUPLICATE: 3754129

Parameter	Units	60481824002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.1	0	5	H1

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch:	948475	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012		

METHOD BLANK:	3759342	Matrix:	Water
Associated Lab Samples:	60481909001, 60481909002, 60481909003, 60481909004, 60481909005, 60481909006, 60481909007, 60481909008, 60481909009, 60481909010, 60481909011, 60481909012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	09/17/25 12:19	
Fluoride	mg/L	<0.20	0.20	09/17/25 12:19	
Sulfate	mg/L	<1.0	1.0	09/17/25 12:19	

LABORATORY CONTROL SAMPLE: 3759343						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.5	90	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3759344					3759345							
Parameter	Units	60481909001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	151	100	100	269	262	117	111	80-120	2	15	
Fluoride	mg/L	0.40	2.5	2.5	2.8	2.8	98	98	80-120	0	15	
Sulfate	mg/L	94.7	100	100	202	195	107	100	80-120	3	15	

MATRIX SPIKE SAMPLE: 3759346							
Parameter	Units	60481909010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	47.5	100	134	87	80-120	
Fluoride	mg/L	0.72	2.5	3.2	101	80-120	
Sulfate	mg/L	61.4	100	153	92	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch:	948610	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909003

METHOD BLANK: 3759770 Matrix: Water

Associated Lab Samples: 60481909003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	1.0	09/18/25 09:12	

LABORATORY CONTROL SAMPLE: 3759771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759772 3759773

Parameter	Units	60481686001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	2750	5	5	3080	3070	-2090	-2270	80-120	0	15	E,M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch:	948623	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481909013, 60481909014, 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023		

METHOD BLANK: 3759819

Matrix: Water

Associated Lab Samples: 60481909013, 60481909014, 60481909015, 60481909016, 60481909017, 60481909018, 60481909019, 60481909020, 60481909021, 60481909022, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	09/18/25 15:00	
Fluoride	mg/L	<0.20	0.20	09/18/25 15:00	
Sulfate	mg/L	<1.0	1.0	09/18/25 15:00	

LABORATORY CONTROL SAMPLE: 3759820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.5	91	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759821 3759822

Parameter	Units	60481909013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	234	100	100	308	323	74	89	80-120	5	15	M1
Fluoride	mg/L	0.80	2.5	2.5	3.2	3.3	97	99	80-120	1	15	
Sulfate	mg/L	4.7	5	5	9.7	9.8	100	102	80-120	1	15	

MATRIX SPIKE SAMPLE: 3759823

Parameter	Units	60481909022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	46.0	100	132	86	80-120	
Fluoride	mg/L	0.52	2.5	2.9	96	80-120	
Sulfate	mg/L	78.9	100	171	93	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

QC Batch: 948792 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909020, 60481909023

METHOD BLANK: 3760597 Matrix: Water

Associated Lab Samples: 60481909014, 60481909020, 60481909023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<1.0	1.0	09/19/25 21:40	
Sulfate	mg/L	<1.0	1.0	09/19/25 21:40	

LABORATORY CONTROL SAMPLE: 3760598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.5	91	90-110	
Sulfate	mg/L	5	4.7	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760599 3760600

Parameter	Units	60481909014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	<200	1000	1000	1080	1090	89	89	80-120	0	15	
Sulfate	mg/L	5520	1000	1000	6620	6360	110	85	80-120	4	15 E	

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QUALITY CONTROL DATA

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

QC Batch: 948874

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481909014

METHOD BLANK: 3760909

Matrix: Water

Associated Lab Samples: 60481909014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	1.0	09/20/25 09:27	

LABORATORY CONTROL SAMPLE: 3760910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760911 3760912

Parameter	Units	60481446003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	455	500	500	835	897	76	88	80-120	7	15	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: La Cygne CCR Compliance Wells
Pace Project No.: 60481909

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481909001	LAC-MW-6-090425	EPA 200.7	947229	EPA 200.7	947509
60481909002	LAC-MW-7-090425	EPA 200.7	947291	EPA 200.7	947652
60481909003	LAC-MW-13-090425	EPA 200.7	947291	EPA 200.7	947652
60481909004	LAC-MW-14R-090325	EPA 200.7	947291	EPA 200.7	947652
60481909005	LAC-MW-15-090325	EPA 200.7	947291	EPA 200.7	947652
60481909006	LAC-MW-601-090325	EPA 200.7	947291	EPA 200.7	947652
60481909007	LAC-MW-602-090325	EPA 200.7	947291	EPA 200.7	947652
60481909008	LAC-MW-701-090325	EPA 200.7	947291	EPA 200.7	947652
60481909009	LAC-MW-702-090425	EPA 200.7	947291	EPA 200.7	947652
60481909010	LAC-MW-703-090325	EPA 200.7	947291	EPA 200.7	947652
60481909011	LAC-MW-704-090325	EPA 200.7	947291	EPA 200.7	947652
60481909012	LAC-MW-705-090425	EPA 200.7	947291	EPA 200.7	947652
60481909013	LAC-MW-706-090425	EPA 200.7	947291	EPA 200.7	947652
60481909014	LAC-MW-707B-090425	EPA 200.7	947291	EPA 200.7	947652
60481909015	LAC-MW-708-090425	EPA 200.7	947291	EPA 200.7	947652
60481909016	LAC-MW-801-090325	EPA 200.7	947291	EPA 200.7	947652
60481909017	LAC-MW-802-090325	EPA 200.7	947293	EPA 200.7	947577
60481909018	LAC-MW-803-090325	EPA 200.7	947293	EPA 200.7	947577
60481909019	LAC-MW-804-090325	EPA 200.7	947293	EPA 200.7	947577
60481909020	LAC-MW-805-090325	EPA 200.7	947293	EPA 200.7	947577
60481909021	LAC-TW-1-090425	EPA 200.7	947293	EPA 200.7	947577
60481909022	LAC-DUP1-090325	EPA 200.7	947293	EPA 200.7	947577
60481909023	LAC-DUP2-090325	EPA 200.7	947293	EPA 200.7	947577
60481909001	LAC-MW-6-090425	EPA 3010	947615	EPA 6010	947656
60481909002	LAC-MW-7-090425	EPA 3010	947615	EPA 6010	947656
60481909003	LAC-MW-13-090425	EPA 3010	947615	EPA 6010	947656
60481909004	LAC-MW-14R-090325	EPA 3010	947615	EPA 6010	947656
60481909005	LAC-MW-15-090325	EPA 3010	947615	EPA 6010	947656
60481909006	LAC-MW-601-090325	EPA 3010	947615	EPA 6010	947656
60481909007	LAC-MW-602-090325	EPA 3010	947615	EPA 6010	947656
60481909008	LAC-MW-701-090325	EPA 3010	947615	EPA 6010	947656
60481909009	LAC-MW-702-090425	EPA 3010	947615	EPA 6010	947656
60481909010	LAC-MW-703-090325	EPA 3010	947615	EPA 6010	947656
60481909011	LAC-MW-704-090325	EPA 3010	947615	EPA 6010	947656
60481909012	LAC-MW-705-090425	EPA 3010	947615	EPA 6010	947656
60481909013	LAC-MW-706-090425	EPA 3010	947615	EPA 6010	947656
60481909014	LAC-MW-707B-090425	EPA 3010	947615	EPA 6010	947656
60481909015	LAC-MW-708-090425	EPA 3010	947615	EPA 6010	947656
60481909016	LAC-MW-801-090325	EPA 3010	947615	EPA 6010	947656
60481909017	LAC-MW-802-090325	EPA 3010	947615	EPA 6010	947656
60481909018	LAC-MW-803-090325	EPA 3010	947615	EPA 6010	947656
60481909019	LAC-MW-804-090325	EPA 3010	947615	EPA 6010	947656
60481909020	LAC-MW-805-090325	EPA 3010	947615	EPA 6010	947656
60481909021	LAC-TW-1-090425	EPA 3010	947672	EPA 6010	947701
60481909022	LAC-DUP1-090325	EPA 3010	947672	EPA 6010	947701
60481909023	LAC-DUP2-090325	EPA 3010	947672	EPA 6010	947701

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481909001	LAC-MW-6-090425	EPA 200.8	947231	EPA 200.8	947511
60481909002	LAC-MW-7-090425	EPA 200.8	948049	EPA 200.8	948118
60481909003	LAC-MW-13-090425	EPA 200.8	948049	EPA 200.8	948118
60481909004	LAC-MW-14R-090325	EPA 200.8	948049	EPA 200.8	948118
60481909005	LAC-MW-15-090325	EPA 200.8	948049	EPA 200.8	948118
60481909006	LAC-MW-601-090325	EPA 200.8	948049	EPA 200.8	948118
60481909007	LAC-MW-602-090325	EPA 200.8	948049	EPA 200.8	948118
60481909008	LAC-MW-701-090325	EPA 200.8	948049	EPA 200.8	948118
60481909009	LAC-MW-702-090425	EPA 200.8	948049	EPA 200.8	948118
60481909010	LAC-MW-703-090325	EPA 200.8	948049	EPA 200.8	948118
60481909011	LAC-MW-704-090325	EPA 200.8	948049	EPA 200.8	948118
60481909012	LAC-MW-705-090425	EPA 200.8	948049	EPA 200.8	948118
60481909013	LAC-MW-706-090425	EPA 200.8	948049	EPA 200.8	948118
60481909014	LAC-MW-707B-090425	EPA 200.8	948049	EPA 200.8	948118
60481909015	LAC-MW-708-090425	EPA 200.8	948049	EPA 200.8	948118
60481909016	LAC-MW-801-090325	EPA 200.8	948049	EPA 200.8	948118
60481909017	LAC-MW-802-090325	EPA 200.8	947294	EPA 200.8	947578
60481909018	LAC-MW-803-090325	EPA 200.8	947294	EPA 200.8	947578
60481909019	LAC-MW-804-090325	EPA 200.8	947294	EPA 200.8	947578
60481909020	LAC-MW-805-090325	EPA 200.8	947294	EPA 200.8	947578
60481909021	LAC-TW-1-090425	EPA 200.8	947294	EPA 200.8	947578
60481909022	LAC-DUP1-090325	EPA 200.8	947294	EPA 200.8	947578
60481909023	LAC-DUP2-090325	EPA 200.8	947294	EPA 200.8	947578
60481909001	LAC-MW-6-090425	EPA 245.1	947233	EPA 245.1	947265
60481909002	LAC-MW-7-090425	EPA 245.1	947233	EPA 245.1	947265
60481909003	LAC-MW-13-090425	EPA 245.1	947233	EPA 245.1	947265
60481909004	LAC-MW-14R-090325	EPA 245.1	947233	EPA 245.1	947265
60481909005	LAC-MW-15-090325	EPA 245.1	947233	EPA 245.1	947265
60481909006	LAC-MW-601-090325	EPA 245.1	947233	EPA 245.1	947265
60481909007	LAC-MW-602-090325	EPA 245.1	947233	EPA 245.1	947265
60481909008	LAC-MW-701-090325	EPA 245.1	947233	EPA 245.1	947265
60481909009	LAC-MW-702-090425	EPA 245.1	947233	EPA 245.1	947265
60481909010	LAC-MW-703-090325	EPA 245.1	947233	EPA 245.1	947265
60481909011	LAC-MW-704-090325	EPA 245.1	947233	EPA 245.1	947265
60481909012	LAC-MW-705-090425	EPA 245.1	947233	EPA 245.1	947265
60481909013	LAC-MW-706-090425	EPA 245.1	947233	EPA 245.1	947265
60481909014	LAC-MW-707B-090425	EPA 245.1	947233	EPA 245.1	947265
60481909015	LAC-MW-708-090425	EPA 245.1	947234	EPA 245.1	947267
60481909016	LAC-MW-801-090325	EPA 245.1	947234	EPA 245.1	947267
60481909017	LAC-MW-802-090325	EPA 245.1	947234	EPA 245.1	947267
60481909018	LAC-MW-803-090325	EPA 245.1	947234	EPA 245.1	947267
60481909019	LAC-MW-804-090325	EPA 245.1	947234	EPA 245.1	947267
60481909020	LAC-MW-805-090325	EPA 245.1	947234	EPA 245.1	947267
60481909021	LAC-TW-1-090425	EPA 245.1	947234	EPA 245.1	947267
60481909022	LAC-DUP1-090325	EPA 245.1	947234	EPA 245.1	947267
60481909023	LAC-DUP2-090325	EPA 245.1	947234	EPA 245.1	947267

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481909001	LAC-MW-6-090425	SM 2540C	947589		
60481909002	LAC-MW-7-090425	SM 2540C	947589		
60481909003	LAC-MW-13-090425	SM 2540C	947589		
60481909004	LAC-MW-14R-090325	SM 2540C	947320		
60481909005	LAC-MW-15-090325	SM 2540C	947320		
60481909006	LAC-MW-601-090325	SM 2540C	947320		
60481909007	LAC-MW-602-090325	SM 2540C	947320		
60481909008	LAC-MW-701-090325	SM 2540C	947320		
60481909009	LAC-MW-702-090425	SM 2540C	947589		
60481909010	LAC-MW-703-090325	SM 2540C	947320		
60481909011	LAC-MW-704-090325	SM 2540C	947320		
60481909012	LAC-MW-705-090425	SM 2540C	947589		
60481909013	LAC-MW-706-090425	SM 2540C	947589		
60481909014	LAC-MW-707B-090425	SM 2540C	947589		
60481909015	LAC-MW-708-090425	SM 2540C	947589		
60481909016	LAC-MW-801-090325	SM 2540C	947320		
60481909017	LAC-MW-802-090325	SM 2540C	947320		
60481909018	LAC-MW-803-090325	SM 2540C	947320		
60481909019	LAC-MW-804-090325	SM 2540C	947320		
60481909020	LAC-MW-805-090325	SM 2540C	947320		
60481909021	LAC-TW-1-090425	SM 2540C	947589		
60481909022	LAC-DUP1-090325	SM 2540C	947320		
60481909023	LAC-DUP2-090325	SM 2540C	947320		
60481909001	LAC-MW-6-090425	SM 4500-H+B	947182		
60481909002	LAC-MW-7-090425	SM 4500-H+B	947182		
60481909003	LAC-MW-13-090425	SM 4500-H+B	947182		
60481909004	LAC-MW-14R-090325	SM 4500-H+B	947181		
60481909005	LAC-MW-15-090325	SM 4500-H+B	947181		
60481909006	LAC-MW-601-090325	SM 4500-H+B	947181		
60481909007	LAC-MW-602-090325	SM 4500-H+B	947181		
60481909008	LAC-MW-701-090325	SM 4500-H+B	947181		
60481909009	LAC-MW-702-090425	SM 4500-H+B	947182		
60481909010	LAC-MW-703-090325	SM 4500-H+B	947181		
60481909011	LAC-MW-704-090325	SM 4500-H+B	947181		
60481909012	LAC-MW-705-090425	SM 4500-H+B	947182		
60481909013	LAC-MW-706-090425	SM 4500-H+B	947182		
60481909014	LAC-MW-707B-090425	SM 4500-H+B	947182		
60481909015	LAC-MW-708-090425	SM 4500-H+B	947182		
60481909016	LAC-MW-801-090325	SM 4500-H+B	947181		
60481909017	LAC-MW-802-090325	SM 4500-H+B	947181		
60481909018	LAC-MW-803-090325	SM 4500-H+B	947181		
60481909019	LAC-MW-804-090325	SM 4500-H+B	947181		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Compliance Wells

Pace Project No.: 60481909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481909020	LAC-MW-805-090325	SM 4500-H+B	947181		
60481909021	LAC-TW-1-090425	SM 4500-H+B	947182		
60481909022	LAC-DUP1-090325	SM 4500-H+B	947181		
60481909023	LAC-DUP2-090325	SM 4500-H+B	947181		
60481909001	LAC-MW-6-090425	EPA 300.0	948475		
60481909002	LAC-MW-7-090425	EPA 300.0	948475		
60481909003	LAC-MW-13-090425	EPA 300.0	948475		
60481909003	LAC-MW-13-090425	EPA 300.0	948610		
60481909004	LAC-MW-14R-090325	EPA 300.0	948475		
60481909005	LAC-MW-15-090325	EPA 300.0	948475		
60481909006	LAC-MW-601-090325	EPA 300.0	948475		
60481909007	LAC-MW-602-090325	EPA 300.0	948475		
60481909008	LAC-MW-701-090325	EPA 300.0	948475		
60481909009	LAC-MW-702-090425	EPA 300.0	948475		
60481909010	LAC-MW-703-090325	EPA 300.0	948475		
60481909011	LAC-MW-704-090325	EPA 300.0	948475		
60481909012	LAC-MW-705-090425	EPA 300.0	948475		
60481909013	LAC-MW-706-090425	EPA 300.0	948623		
60481909014	LAC-MW-707B-090425	EPA 300.0	948623		
60481909014	LAC-MW-707B-090425	EPA 300.0	948874		
60481909015	LAC-MW-708-090425	EPA 300.0	948623		
60481909016	LAC-MW-801-090325	EPA 300.0	948623		
60481909017	LAC-MW-802-090325	EPA 300.0	948623		
60481909018	LAC-MW-803-090325	EPA 300.0	948623		
60481909019	LAC-MW-804-090325	EPA 300.0	948623		
60481909020	LAC-MW-805-090325	EPA 300.0	948623		
60481909020	LAC-MW-805-090325	EPA 300.0	948792		
60481909021	LAC-TW-1-090425	EPA 300.0	948623		
60481909022	LAC-DUP1-090325	EPA 300.0	948623		
60481909023	LAC-DUP2-090325	EPA 300.0	948623		
60481909023	LAC-DUP2-090325	EPA 300.0	948792		

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WO#: 60481909



DC#_Title: ENV-FRM-LENE-0009_Sample C

Revision: 2

Effective Date: 01/12/2022

Issued By: L. L. L.

Client Name:

Energy HJA

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐

Thermometer Used: T301 Type of Ice: Wet ☒ Blue ☐ None ☐

Cooler Temperature (°C): As-read 1.0 Corr. Factor 0.0 Corrected 1.0

Date and initials of person examining contents: AT 9/15

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	<u>Cooler 2 - 2.5°</u>
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>✓</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Project Manager Review:

Date:

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here



Scan QR Code for instructions

60481909

Company Name:	Evergry_Haley & Aldrich	Contact/Report To:	Jake Humphrey
Street Address:	818 S Kansas Avenue Topeka, KS 66612	Phone #:	(913)634-0605
		E-Mail:	jake.humphrey@evergry.com
		Cc E-Mail:	skaney@haleyaldrich.com
Customer Project #:			
Project Name:	La Cygne CCR Compliance Wells	Invoice To:	Lacygne-Evergry Payable
		Invoice E-Mail:	apinvoicing@evergry.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	3000222251
	Evergry La Cygne Generating Station	Quote #:	

Specify Container Size **							**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
2	3	3					
Identify Container Preservative Type***							*** Preservative Types: (1) None, (2) HNO ₃ , (3) H ₂ SO ₄ , (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO ₄ , (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other
1	1	2					
Analysis Requested							

Time Zone Collected: ☐ AK ☐ PT ☐ MT ☒ X CT ☐ ET										County / State origin of sample(s): Kansas									
Data Deliverables:										Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ X No									
☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other										Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other _____ DW PWSID # or WW Permit # as applicable: NA									
Date Results Requested:										Field Filtered (if applicable): ☐ Yes ☒ X No Analysis:									

[illegible]

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine	
			Date	Time	Date	Time	Cont.	Results	Units
LaC-MW-6-090425	GW	GRAB	-	-	9/4/2025	1125	3	-	-
LaC-MW-7-090425	GW	GRAB	-	-	9/4/2025	1215	3	-	-
LaC-MW-13-090425	GW	GRAB	-	-	9/4/2025	955	3	-	-
LaC-MW-14R-090325	GW	GRAB	-	-	9/3/2025	1400	3	-	-
LaC-MW-15-090325	GW	GRAB	-	-	9/3/2025	1525	3	-	-
LaC-MW-601-090325	GW	GRAB	-	-	9/3/2025	1540	3	-	-
LaC-MW-602-090325	GW	GRAB	-	-	9/3/2025	1235	3	-	-
LaC-MW-701-090325	GW	GRAB	-	-	9/3/2025	1040	3	-	-
LaC-MW-702-090425	GW	GRAB	-	-	9/4/2025	1030	3	-	-
LaC-MW-703-090325	GW	GRAB	-	-	9/3/2025	1500	3	-	-

Additional Instructions from Pace*: Metals: B, Ca, As, Ba, Cr, Co, Li, Mo Anions: Cl, F, SO ₄	Collected By: (Printed Name) Jason R. Franks Signature: <i>Jason R. Franks</i>
--	---

Customer Remarks / Special Conditions / Possible Hazards:					
# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / <i>SCS</i>	Date/Time: 09/05/2025 / 14:30	Received by/Company: (Signature) <i>Carmen June</i>
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)

Place	Date/Time: 9/5 14:35	Tracking Number:
	Date/Time:	Delivered by: ☐ In- Person ☐ Courier
	Date/Time:	☐ FedEx ☐ UPS ☐ Other
	Date/Time:	Page: 1 of 3

ENV-FRM-CORQ-0019 v02 110123 ©

ENV-FRM-CORQ-0019 v02 110123 ©



September 25, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

EPA Lab Code: KS00021

Arkansas Certification #: 88-00679

Illinois Certification #: 200030

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Oklahoma Certification #: 9205

Texas Certification #: T104704407

Utah Certification #: KS0002125-15

UDSA_CA : #KS-SC-DOM-25-01

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SAMPLE SUMMARY

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481910001	LAC-MW-6-090425	Water	09/04/25 11:25	09/05/25 14:35
60481910002	LAC-MW-7-090425	Water	09/04/25 12:15	09/05/25 14:35
60481910003	LAC-MW-13-090425	Water	09/04/25 09:55	09/05/25 14:35
60481910004	LAC-MW-702-090425	Water	09/04/25 10:30	09/05/25 14:35
60481910005	LAC-MW-705-090425	Water	09/04/25 09:55	09/05/25 14:35
60481910006	LAC-MW-706-090425	Water	09/04/25 10:45	09/05/25 14:35
60481910007	LAC-MW-707B-090425	Water	09/04/25 12:25	09/05/25 14:35
60481910008	LAC-MW-708-090425	Water	09/04/25 13:10	09/05/25 14:35
60481910009	LAC-TW-1-090425	Water	09/04/25 11:40	09/05/25 14:35

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481910001	LAC-MW-6-090425	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481910002	LAC-MW-7-090425	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481910003	LAC-MW-13-090425	EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481910004	LAC-MW-702-090425	EPA 200.7	ARMN	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481910005	LAC-MW-705-090425	EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
60481910006	LAC-MW-706-090425	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
60481910007	LAC-MW-707B-090425	EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481910008	LAC-MW-708-090425	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
60481910009	LAC-TW-1-090425	SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	4	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 200.8	CJM	3	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947293

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481909017,60481910003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754491)
- Sodium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: EPA 200.7
Description: 200.7 Metals, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947288

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481910002,60481916002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754473)
- Magnesium, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: 947288

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 3754469)
- Magnesium, Dissolved

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 947296

B: Analyte was detected in the associated method blank.

- BLANK for HBN 947296 [MPRP/886 (Lab ID: 3754504)
- Iron

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947296

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481916001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754506)
 - Aluminum
 - Iron
 - Manganese
- MSD (Lab ID: 3754507)
 - Aluminum
 - Iron

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: EPA 200.8

Description: 200.8 MET ICPMS

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: EPA 200.8

Description: 200.8 MET ICPMS, Dissolved

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 947290

B: Analyte was detected in the associated method blank.

- BLANK for HBN 947290 [MPRP/886 (Lab ID: 3754474)]
- Iron, Dissolved

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: SM 2320B
Description: 2320B Alkalinity
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: SM 3500-Fe B#4
Description: Iron, Ferrous
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-MW-13-090425 (Lab ID: 60481910003)
- LAC-MW-6-090425 (Lab ID: 60481910001)
- LAC-MW-7-090425 (Lab ID: 60481910002)
- LAC-MW-702-090425 (Lab ID: 60481910004)
- LAC-MW-705-090425 (Lab ID: 60481910005)
- LAC-MW-706-090425 (Lab ID: 60481910006)
- LAC-MW-707B-090425 (Lab ID: 60481910007)
- LAC-MW-708-090425 (Lab ID: 60481910008)
- LAC-TW-1-090425 (Lab ID: 60481910009)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: SM 4500-S-2 D

Description: 4500S2D Sulfide, Total

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

General Information:

9 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947376

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481994001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754911)
 - Sulfide, Total
- MSD (Lab ID: 3754912)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: September 25, 2025

General Information:

9 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 948123

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3758066)
- Phosphorus

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: SM 5310C
Description: 5310C TOC
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

Method: SM 5310C
Description: 5310C Dissolved Organic Carbon
Client: Evergy_Haley & Aldrich
Date: September 25, 2025

General Information:

9 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-6-090425		Lab ID: 60481910001		Collected: 09/04/25 11:25		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	38.4	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:24	7439-95-4	
Potassium, Total Recoverable	5.0	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:24	7440-09-7	
Sodium, Total Recoverable	314	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:24	7440-23-5	
Total Hardness by 2340B, Total Recoverable	355	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:24		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	39.3	mg/L	0.050	0.021	1	09/10/25 12:00	09/19/25 14:05	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.051	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:10	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:31	7429-90-5	
Iron, Total Recoverable	2.9	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:31	7439-89-6	
Manganese, Total Recoverable	0.65	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:31	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/10/25 12:00	09/11/25 14:04	7429-90-5	
Iron, Dissolved	2.4	mg/L	0.050	0.0044	1	09/10/25 12:00	09/11/25 14:04	7439-89-6	D9
Manganese, Dissolved	0.56	mg/L	0.0010	0.00052	1	09/10/25 12:00	09/11/25 14:04	7439-96-5	D9
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	630	mg/L	20.0	10.5	1		09/09/25 15:35		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 15:35		
Alkalinity, Total as CaCO3	630	mg/L	20.0	10.5	1		09/09/25 15:35		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	2.9	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 00:35	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 00:35	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-6-090425 Lab ID: 60481910001 Collected: 09/04/25 11:25 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Pace Analytical Services - Kansas City									
Phosphorus	0.17	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:13	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Total Organic Carbon	0.60J	mg/L	1.0	0.54	1		09/12/25 17:29	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.1	mg/L	1.0	0.54	1		09/15/25 17:47		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-7-090425		Lab ID: 60481910002		Collected: 09/04/25 12:15		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	13.1	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:25	7439-95-4	
Potassium, Total Recoverable	4.3	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:25	7440-09-7	
Sodium, Total Recoverable	324	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:25	7440-23-5	
Total Hardness by 2340B, Total Recoverable	104	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:25		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	13.7	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:26	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.075	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:12	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:34	7429-90-5	
Iron, Total Recoverable	1.2	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:34	7439-89-6	
Manganese, Total Recoverable	0.024	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:34	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:18	7429-90-5	
Iron, Dissolved	1.2	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:18	7439-89-6	D9
Manganese, Dissolved	0.025	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:18	7439-96-5	D9
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	697	mg/L	20.0	10.5	1		09/09/25 15:43		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 15:43		
Alkalinity, Total as CaCO3	697	mg/L	20.0	10.5	1		09/09/25 15:43		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	1.2	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 01:58	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 01:58	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-7-090425 Lab ID: 60481910002 Collected: 09/04/25 12:15 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Pace Analytical Services - Kansas City									
Phosphorus	0.30	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:16	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/12/25 17:43	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	0.68J	mg/L	1.0	0.54	1		09/15/25 18:15		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-13-090425		Lab ID: 60481910003		Collected: 09/04/25 09:55		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	175	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:27	7439-95-4	
Potassium, Total Recoverable	3.5	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:27	7440-09-7	
Sodium, Total Recoverable	146	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:27	7440-23-5	
Total Hardness by 2340B, Total Recoverable	1620	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:27		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	179	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:31	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.057	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:14	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:36	7429-90-5	
Iron, Total Recoverable	0.0092J	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:36	7439-89-6	
Manganese, Total Recoverable	0.0080	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:36	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:08	7429-90-5	
Iron, Dissolved	0.0078J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:08	7439-89-6	B
Manganese, Dissolved	0.0097	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:08	7439-96-5	D9
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	359	mg/L	20.0	10.5	1		09/09/25 15:50		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 15:50		
Alkalinity, Total as CaCO3	359	mg/L	20.0	10.5	1		09/09/25 15:50		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.052J	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.090J	mg/L	0.10	0.066	1		09/05/25 21:24	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/05/25 21:24	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-13-090425 Lab ID: 60481910003 Collected: 09/04/25 09:55 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	<0.071	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:18	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	1.5	mg/L	1.0	0.54	1		09/12/25 17:57	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.7	mg/L	1.0	0.54	1		09/15/25 18:30		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-702-090425 Lab ID: 60481910004 Collected: 09/04/25 10:30 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Total Recoverable	6.7	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:31	7439-95-4	
Potassium, Total Recoverable	3.6	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:31	7440-09-7	
Sodium, Total Recoverable	256	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:31	7440-23-5	
Total Hardness by 2340B, Total Recoverable	70.3	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:31		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	6.5	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:33	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.057	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:16	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.11	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:42	7429-90-5	
Iron, Total Recoverable	0.18	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:42	7439-89-6	
Manganese, Total Recoverable	0.012	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:42	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.013J	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:21	7429-90-5	
Iron, Dissolved	0.034J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:21	7439-89-6	B
Manganese, Dissolved	0.0045	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:21	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	557	mg/L	20.0	10.5	1		09/09/25 15:57		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 15:57		
Alkalinity, Total as CaCO3	557	mg/L	20.0	10.5	1		09/09/25 15:57		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.13J	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	1.1	mg/L	0.10	0.066	1		09/05/25 23:39	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/05/25 23:39	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-702-090425 Lab ID: 60481910004 Collected: 09/04/25 10:30 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Pace Analytical Services - Kansas City									
Phosphorus	<0.071	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:37	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Total Organic Carbon	0.55J	mg/L	1.0	0.54	1		09/12/25 18:11	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	0.91J	mg/L	1.0	0.54	1		09/15/25 19:26		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-705-090425 Lab ID: 60481910005 Collected: 09/04/25 09:55 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Total Recoverable	30.7	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:33	7439-95-4	
Potassium, Total Recoverable	6.9	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:33	7440-09-7	
Sodium, Total Recoverable	326	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:33	7440-23-5	
Total Hardness by 2340B, Total Recoverable	202	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:33		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	31.6	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:35	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.12	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:18	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.14	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:47	7429-90-5	
Iron, Total Recoverable	0.52	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:47	7439-89-6	
Manganese, Total Recoverable	0.021	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:47	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:23	7429-90-5	
Iron, Dissolved	0.044J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:23	7439-89-6	B
Manganese, Dissolved	0.015	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:23	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	682	mg/L	20.0	10.5	1		09/09/25 16:04		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 16:04		
Alkalinity, Total as CaCO3	682	mg/L	20.0	10.5	1		09/09/25 16:04		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.21	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/05/25 23:12	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/05/25 23:12	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-705-090425 Lab ID: 60481910005 Collected: 09/04/25 09:55 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.071	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:39	7723-14-0	
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/12/25 18:25	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/15/25 19:41		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-706-090425		Lab ID: 60481910006		Collected: 09/04/25 10:45		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	19.8	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:34	7439-95-4	
Potassium, Total Recoverable	7.0	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:34	7440-09-7	
Sodium, Total Recoverable	452	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:34	7440-23-5	
Total Hardness by 2340B, Total Recoverable	143	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:34		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	20.1	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:37	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.13	mg/L	0.010	0.0018	1	09/11/25 07:55	09/19/25 16:19	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.26	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:53	7429-90-5	
Iron, Total Recoverable	0.34	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:53	7439-89-6	
Manganese, Total Recoverable	0.059	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:53	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:29	7429-90-5	
Iron, Dissolved	0.067	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:29	7439-89-6	B
Manganese, Dissolved	0.057	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:29	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	784	mg/L	20.0	10.5	1		09/09/25 16:13		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 16:13		
Alkalinity, Total as CaCO3	784	mg/L	20.0	10.5	1		09/09/25 16:13		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.18J	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 00:07	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 00:07	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-706-090425 Lab ID: 60481910006 Collected: 09/04/25 10:45 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.071	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:41	7723-14-0	
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/12/25 18:39	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/15/25 19:55		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-707B-090425 Lab ID: 60481910007 Collected: 09/04/25 12:25 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Total Recoverable	760	mg/L	0.50	0.21	10	09/10/25 04:17	09/23/25 16:56	7439-95-4	
Potassium, Total Recoverable	18.5	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:42	7440-09-7	
Sodium, Total Recoverable	1020	mg/L	5.0	0.32	10	09/10/25 04:17	09/23/25 16:56	7440-23-5	
Total Hardness by 2340B, Total Recoverable	4080	mg/L	5.0	2.0	10	09/10/25 04:17	09/23/25 16:56		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	753	mg/L	0.10	0.042	2	09/11/25 05:04	09/24/25 13:58	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	1.4	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:16	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.33	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:56	7429-90-5	
Iron, Total Recoverable	0.51	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:56	7439-89-6	
Manganese, Total Recoverable	2.4	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:56	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:45	7429-90-5	
Iron, Dissolved	0.010J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:45	7439-89-6	B
Manganese, Dissolved	2.4	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:45	7439-96-5	D9
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	800	mg/L	20.0	10.5	1		09/09/25 16:32		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 16:32		
Alkalinity, Total as CaCO3	800	mg/L	20.0	10.5	1		09/09/25 16:32		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.12J	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	0.18	mg/L	0.10	0.066	1		09/06/25 02:26	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 02:26	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-707B-090425 Lab ID: 60481910007 Collected: 09/04/25 12:25 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	<0.071	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:44	7723-14-0	
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	4.0J	mg/L	5.0	2.7	5		09/12/25 18:54	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	4.2J	mg/L	5.0	2.7	5		09/15/25 20:09		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-708-090425 Lab ID: 60481910008 Collected: 09/04/25 13:10 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Total Recoverable	34.2	mg/L	0.050	0.021	1	09/10/25 04:17	09/22/25 12:44	7439-95-4	
Potassium, Total Recoverable	4.8	mg/L	0.50	0.045	1	09/10/25 04:17	09/22/25 12:44	7440-09-7	
Sodium, Total Recoverable	198	mg/L	0.50	0.032	1	09/10/25 04:17	09/22/25 12:44	7440-23-5	
Total Hardness by 2340B, Total Recoverable	214	mg/L	0.50	0.20	1	09/10/25 04:17	09/22/25 12:44		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	33.5	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:46	7439-95-4	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.080	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:22	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.016J	mg/L	0.050	0.0082	1	09/10/25 04:17	09/12/25 10:58	7429-90-5	
Iron, Total Recoverable	0.012J	mg/L	0.050	0.0044	1	09/10/25 04:17	09/12/25 10:58	7439-89-6	
Manganese, Total Recoverable	0.091	mg/L	0.0010	0.00052	1	09/10/25 04:17	09/12/25 10:58	7439-96-5	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:34	7429-90-5	
Iron, Dissolved	<0.0044	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:34	7439-89-6	
Manganese, Dissolved	0.060	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:34	7439-96-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	553	mg/L	20.0	10.5	1		09/09/25 16:39		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 16:39		
Alkalinity, Total as CaCO3	553	mg/L	20.0	10.5	1		09/09/25 16:39		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.052J	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 02:53	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 02:53	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-MW-708-090425 Lab ID: 60481910008 Collected: 09/04/25 13:10 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.11	mg/L	0.10	0.071	1	09/16/25 13:50	09/18/25 15:24	7723-14-0	
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/12/25 19:08	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	0.55J	mg/L	1.0	0.54	1		09/15/25 20:23		

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-TW-1-090425		Lab ID: 60481910009		Collected: 09/04/25 11:40		Received: 09/05/25 14:35		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Total Recoverable	59.5	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 13:04	7439-95-4	
Potassium, Total Recoverable	8.3	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 13:04	7440-09-7	
Sodium, Total Recoverable	317	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 13:04	7440-23-5	
Total Hardness by 2340B, Total Recoverable	306	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 13:04		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Kansas City							
Magnesium, Dissolved	54.7	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:48	7439-95-4	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Lithium, Dissolved	0.14	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:24	7439-93-2	
200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Total Recoverable	0.0096J	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:22	7429-90-5	
Iron, Total Recoverable	0.030J	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:22	7439-89-6	B
Manganese, Total Recoverable	0.0023	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:22	7439-96-5	
200.8 MET ICPMS, Dissolved		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:40	7429-90-5	
Iron, Dissolved	<0.0044	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:40	7439-89-6	
Manganese, Dissolved	<0.00052	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:40	7439-96-5	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity,Bicarbonate (CaCO3)	848	mg/L	20.0	10.5	1		09/09/25 16:47		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 16:47		
Alkalinity, Total as CaCO3	848	mg/L	20.0	10.5	1		09/09/25 16:47		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	0.070J	mg/L	0.20	0.041	1		09/08/25 14:35	15438-31-0	H6
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	<0.016	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.93	mg/L	0.10	0.066	1		09/06/25 01:02	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 01:02	14797-65-0	

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ANALYTICAL RESULTS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Sample: LAC-TW-1-090425 Lab ID: 60481910009 Collected: 09/04/25 11:40 Received: 09/05/25 14:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City								
Phosphorus	0.095J	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:51	7723-14-0	
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Total Organic Carbon	0.61J	mg/L	1.0	0.54	1		09/12/25 19:22	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Kansas City								
Dissolved Organic Carbon	0.67J	mg/L	1.0	0.54	1		09/15/25 20:37		

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	947293	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008		

METHOD BLANK:	3754489	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Hardness, Total(SM 2340B)	mg/L	<0.20	0.50	0.20	09/22/25 11:58	
Magnesium	mg/L	<0.021	0.050	0.021	09/22/25 11:58	
Potassium	mg/L	<0.045	0.50	0.045	09/22/25 11:58	
Sodium	mg/L	<0.032	0.50	0.032	09/22/25 11:58	

LABORATORY CONTROL SAMPLE: 3754490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	66.2	66.1	100	85-115	
Magnesium	mg/L	10	9.9	99	85-115	
Potassium	mg/L	10	9.8	98	85-115	
Sodium	mg/L	10	10.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754491 3754492

Parameter	Units	60481909017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hardness, Total(SM 2340B)	mg/L	183	66.2	66.2	254	252	108	104	70-130	1	20	
Magnesium	mg/L	27.8	10	10	38.7	38.2	109	104	70-130	1	20	
Potassium	mg/L	5.5	10	10	15.7	15.6	102	101	70-130	1	20	
Sodium	mg/L	214	10	10	230	226	155	123	70-130	1	20 M1	

MATRIX SPIKE SAMPLE: 3754493

Parameter	Units	60481910003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	1620	66.2	1690	100	70-130	
Magnesium	mg/L	175	10	186	112	70-130	
Potassium	mg/L	3.5	10	13.8	104	70-130	
Sodium	mg/L	146	10	156	100	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch: 947295

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910009

METHOD BLANK: 3754499

Matrix: Water

Associated Lab Samples: 60481910009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Hardness, Total(SM 2340B)	mg/L	<0.20	0.50	0.20	09/22/25 13:00	
Magnesium	mg/L	<0.021	0.050	0.021	09/22/25 13:00	
Potassium	mg/L	<0.045	0.50	0.045	09/22/25 13:00	
Sodium	mg/L	0.16J	0.50	0.032	09/22/25 13:00	

LABORATORY CONTROL SAMPLE: 3754500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	66.2	68.2	103	85-115	
Magnesium	mg/L	10	10.3	103	85-115	
Potassium	mg/L	10	10.2	102	85-115	
Sodium	mg/L	10	10.5	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754501 3754502

Parameter	Units	60481910009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hardness, Total(SM 2340B)	mg/L	306	66.2	66.2	372	375	100	104	70-130	1	20	
Magnesium	mg/L	59.5	10	10	69.4	70.0	99	104	70-130	1	20	
Potassium	mg/L	8.3	10	10	18.5	18.9	102	105	70-130	2	20	
Sodium	mg/L	317	10	10	325	327	81	100	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754503

Parameter	Units	60481916008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Hardness, Total(SM 2340B)	mg/L	300	66.2	359	90	70-130	
Magnesium	mg/L	44.3	10	53.5	92	70-130	
Potassium	mg/L	7.1	10	18.1	110	70-130	
Sodium	mg/L	172	10	180	80	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947227	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910001

METHOD BLANK: 3754310 Matrix: Water

Associated Lab Samples: 60481910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.021	0.050	0.021	09/19/25 13:20	

LABORATORY CONTROL SAMPLE: 3754311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	10.2	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754312 3754313

Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	39.2	10	10	47.7	48.3	86	92	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754314

Parameter	Units	60481852010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	36.0	10	45.4	94	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947288	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3754469	Matrix:	Water
Associated Lab Samples:	60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	0.067	0.050	0.021	09/22/25 13:22	P8

LABORATORY CONTROL SAMPLE:		3754470				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	9.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3754471			3754472							
Parameter	Units	60481910002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	13.7	10	10	23.9	23.4	102	97	70-130	2	20	

MATRIX SPIKE SAMPLE:		3754473					
		60481916002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	mg/L	48.1	10	61.6	135	70-130	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	947294	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008		

METHOD BLANK:	3754494	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	09/12/25 09:52	
Iron	mg/L	<0.0044	0.050	0.0044	09/12/25 09:52	
Manganese	mg/L	<0.00052	0.0010	0.00052	09/12/25 09:52	

LABORATORY CONTROL SAMPLE:		3754495				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.1	107	85-115	
Iron	mg/L	1	1.1	106	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3754496	3754497							
Parameter	Units	60481909018	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual	
		Result	Spike Conc.	Spike Conc.									Result
Aluminum	mg/L	0.076	1	1	1.2	1.2	109	109	70-130	0	20		
Iron	mg/L	0.063	1	1	1.1	1.1	105	106	70-130	1	20		
Manganese	mg/L	0.020	0.04	0.04	0.063	0.063	106	107	70-130	1	20		

MATRIX SPIKE SAMPLE:		3754498					
		60481910004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/L	0.11	1	1.1	104	70-130	
Iron	mg/L	0.18	1	1.2	98	70-130	
Manganese	mg/L	0.012	0.04	0.051	98	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch: 947296

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910009

METHOD BLANK: 3754504

Matrix: Water

Associated Lab Samples: 60481910009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	09/12/25 11:04	
Iron	mg/L	0.019J	0.050	0.0044	09/12/25 11:04	
Manganese	mg/L	<0.00052	0.0010	0.00052	09/12/25 11:04	

LABORATORY CONTROL SAMPLE: 3754505

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.1	106	85-115	
Iron	mg/L	1	1.1	105	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754506 3754507

Parameter	Units	60481916001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	54.0	1	1	54.5	56.8	52	279	70-130	4	20	M1
Iron	mg/L	77.7	1	1	76.0	79.1	-169	141	70-130	4	20	M1
Manganese	mg/L	1.4	0.04	0.04	1.4	1.5	-58	114	70-130	5	20	M1

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947228	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910001

METHOD BLANK: 3754320 Matrix: Water

Associated Lab Samples: 60481910001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	0.050	0.0082	09/11/25 13:02	
Iron, Dissolved	mg/L	<0.0044	0.050	0.0044	09/11/25 13:02	
Manganese, Dissolved	mg/L	<0.00052	0.0010	0.00052	09/11/25 13:02	

LABORATORY CONTROL SAMPLE: 3754321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.0	100	85-115	
Iron, Dissolved	mg/L	1	1.1	106	85-115	
Manganese, Dissolved	mg/L	0.04	0.043	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754322 3754323

Parameter	Units	60481852002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.050	1	1	1.1	1.0	107	104	70-130	3	20	
Iron, Dissolved	mg/L	<0.050	1	1	0.93	0.89	89	86	70-130	3	20	
Manganese, Dissolved	mg/L	<0.0010	0.04	0.04	0.036	0.034	89	86	70-130	3	20	

MATRIX SPIKE SAMPLE: 3754324

Parameter	Units	60481852011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	<0.050	1	1.0	104	70-130	
Iron, Dissolved	mg/L	<0.050	1	0.94	94	70-130	
Manganese, Dissolved	mg/L	0.0037	0.04	0.040	90	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	947290	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3754474	Matrix:	Water
Associated Lab Samples:	60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	0.050	0.0082	09/12/25 13:03	
Iron, Dissolved	mg/L	0.015J	0.050	0.0044	09/12/25 13:03	
Manganese, Dissolved	mg/L	<0.00052	0.0010	0.00052	09/12/25 13:03	

LABORATORY CONTROL SAMPLE:		3754475				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.1	106	85-115	
Iron, Dissolved	mg/L	1	1.0	103	85-115	
Manganese, Dissolved	mg/L	0.04	0.041	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3754476		3754477						
Parameter	Units	60481910003	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
		Result	Spike Conc.	Spike Conc.								Result	Result
Aluminum, Dissolved	mg/L	<0.0082	1	1	1.1	1.1	112	111	70-130	1	20		
Iron, Dissolved	mg/L	0.0078J	1	1	1.0	1.0	103	103	70-130	0	20		
Manganese, Dissolved	mg/L	0.0097	0.04	0.04	0.052	0.052	106	107	70-130	0	20		

MATRIX SPIKE SAMPLE:		3754478					
		60481916003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum, Dissolved	mg/L	0.17	1	1.4	118	70-130	
Iron, Dissolved	mg/L	0.18	1	1.2	105	70-130	
Manganese, Dissolved	mg/L	0.017	0.04	0.058	103	70-130	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947588	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006

METHOD BLANK: 3755968 Matrix: Water
Associated Lab Samples: 60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.0018	0.010	0.0018	09/19/25 15:16	

LABORATORY CONTROL SAMPLE: 3755969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3755970 3755971

Parameter	Units	60481852001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	0.042	2	2	2.0	2.0	97	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch: 947610 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60481910007, 60481910008, 60481910009

METHOD BLANK: 3755997 Matrix: Water
Associated Lab Samples: 60481910007, 60481910008, 60481910009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.0018	0.010	0.0018	09/23/25 14:13	

LABORATORY CONTROL SAMPLE: 3755998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3755999 3756000

Parameter	Units	60481910007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	1.4	1	1	2.4	2.5	103	109	75-125	3	20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	947370	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3754844	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	09/09/25 15:11	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	09/09/25 15:11	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	09/09/25 15:11	

LABORATORY CONTROL SAMPLE:	3754845					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	463	93	90-110	

SAMPLE DUPLICATE:	3754846					
Parameter	Units	60481881002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	<10.5		10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	<10.5		10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

SAMPLE DUPLICATE:	3754847					
Parameter	Units	60481916001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	1160	1150	1	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	1160	1150	1	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<42.0	<42.0		10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch: 947219 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60481910001, 60481910003, 60481910004, 60481910005, 60481910006, 60481910009

METHOD BLANK: 3754290 Matrix: Water
Associated Lab Samples: 60481910001, 60481910003, 60481910004, 60481910005, 60481910006, 60481910009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	09/08/25 14:35	H6

LABORATORY CONTROL SAMPLE: 3754291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.0	101	90-110	H6

SAMPLE DUPLICATE: 3754292

Parameter	Units	60481852005 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	0.32	0.38	17	20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch: 947342 Analysis Method: SM 3500-Fe B#4
QC Batch Method: SM 3500-Fe B#4 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60481910002, 60481910007, 60481910008

METHOD BLANK: 3754642 Matrix: Water
Associated Lab Samples: 60481910002, 60481910007, 60481910008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	09/10/25 10:51	H6

LABORATORY CONTROL SAMPLE: 3754643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.0	100	90-110	H6

SAMPLE DUPLICATE: 3754644

Parameter	Units	60481910002 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	1.2	1.2	1	20	H6

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947376	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009

METHOD BLANK:	3754908	Matrix:	Water
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Associated Lab Samples: 60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.016	0.050	0.016	09/09/25 13:56	

LABORATORY CONTROL SAMPLE: 3754909						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.47	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754911 3754912												
Parameter	Units	60481994001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide, Total	mg/L	0.031J	0.5	0.5	0.24	0.24	42	41	75-125	2	20	M1

SAMPLE DUPLICATE: 3754910						
Parameter	Units	60481994001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.031J	0.032J		20	

SAMPLE DUPLICATE: 3754913						
Parameter	Units	60481910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.016	<0.016		20	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	947119	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3753891	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.066	0.10	0.066	09/05/25 20:58	
Nitrite as N	mg/L	<0.070	0.10	0.070	09/05/25 20:58	

LABORATORY CONTROL SAMPLE:	3753892					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	100	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3753893			3753894								
Parameter	Units	60481910003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.090J	2	2	2.2	2.2	104	107	80-120	3	15	
Nitrite as N	mg/L	<0.070	2	2	2.0	2.0	98	101	80-120	4	15	

MATRIX SPIKE SAMPLE:		3753895					
		60481916002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate as N	mg/L	<0.066	2	2.1	105	80-120	
Nitrite as N	mg/L	<0.070	2	2.0	100	80-120	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

QC Batch:	948123	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3758064	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	<0.071	0.10	0.071	09/17/25 17:58	

LABORATORY CONTROL SAMPLE:	3758065					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.6	112	80-120	

MATRIX SPIKE SAMPLE:		3758066					
		60481881001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.18	10	10.9	107	80-120	E

MATRIX SPIKE SAMPLE:		3758068					
		60481910008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.11	10	9.8	97	80-120	

SAMPLE DUPLICATE:	3758067					
Parameter	Units	60481881004 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.1	4.1	0	10	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	947854	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3757071	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	09/12/25 15:07	

LABORATORY CONTROL SAMPLE: 3757072						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE:		3757073					
		60481920001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Total Organic Carbon	mg/L	2.1	5	6.8	95	80-120	

SAMPLE DUPLICATE: 3757074						
Parameter	Units	60481920001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	2.1	2.2	4	25	

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QUALITY CONTROL DATA

Project: La Cygne CCR Wells -Additional
Pace Project No.: 60481910

QC Batch:	948068	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

METHOD BLANK:	3757911	Matrix:	Water
Associated Lab Samples:	60481910001, 60481910002, 60481910003, 60481910004, 60481910005, 60481910006, 60481910007, 60481910008, 60481910009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.54	1.0	0.54	09/15/25 17:19	

LABORATORY CONTROL SAMPLE:	3757912					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.2	103	80-120	

MATRIX SPIKE SAMPLE:		3757913					
		60481910001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	5	5.0	80	80-120	

SAMPLE DUPLICATE:	3757914					
Parameter	Units	60481910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	0.71J		25	

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QUALIFIERS

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481910001	LAC-MW-6-090425	EPA 200.7	947293	EPA 200.7	947577
60481910002	LAC-MW-7-090425	EPA 200.7	947293	EPA 200.7	947577
60481910003	LAC-MW-13-090425	EPA 200.7	947293	EPA 200.7	947577
60481910004	LAC-MW-702-090425	EPA 200.7	947293	EPA 200.7	947577
60481910005	LAC-MW-705-090425	EPA 200.7	947293	EPA 200.7	947577
60481910006	LAC-MW-706-090425	EPA 200.7	947293	EPA 200.7	947577
60481910007	LAC-MW-707B-090425	EPA 200.7	947293	EPA 200.7	947577
60481910008	LAC-MW-708-090425	EPA 200.7	947293	EPA 200.7	947577
60481910009	LAC-TW-1-090425	EPA 200.7	947295	EPA 200.7	947616
60481910001	LAC-MW-6-090425	EPA 200.7	947227	EPA 200.7	947503
60481910002	LAC-MW-7-090425	EPA 200.7	947288	EPA 200.7	947650
60481910003	LAC-MW-13-090425	EPA 200.7	947288	EPA 200.7	947650
60481910004	LAC-MW-702-090425	EPA 200.7	947288	EPA 200.7	947650
60481910005	LAC-MW-705-090425	EPA 200.7	947288	EPA 200.7	947650
60481910006	LAC-MW-706-090425	EPA 200.7	947288	EPA 200.7	947650
60481910007	LAC-MW-707B-090425	EPA 200.7	947288	EPA 200.7	947650
60481910008	LAC-MW-708-090425	EPA 200.7	947288	EPA 200.7	947650
60481910009	LAC-TW-1-090425	EPA 200.7	947288	EPA 200.7	947650
60481910001	LAC-MW-6-090425	EPA 3010	947588	EPA 6010	947601
60481910002	LAC-MW-7-090425	EPA 3010	947588	EPA 6010	947601
60481910003	LAC-MW-13-090425	EPA 3010	947588	EPA 6010	947601
60481910004	LAC-MW-702-090425	EPA 3010	947588	EPA 6010	947601
60481910005	LAC-MW-705-090425	EPA 3010	947588	EPA 6010	947601
60481910006	LAC-MW-706-090425	EPA 3010	947588	EPA 6010	947601
60481910007	LAC-MW-707B-090425	EPA 3010	947610	EPA 6010	947655
60481910008	LAC-MW-708-090425	EPA 3010	947610	EPA 6010	947655
60481910009	LAC-TW-1-090425	EPA 3010	947610	EPA 6010	947655
60481910001	LAC-MW-6-090425	EPA 200.8	947294	EPA 200.8	947578
60481910002	LAC-MW-7-090425	EPA 200.8	947294	EPA 200.8	947578
60481910003	LAC-MW-13-090425	EPA 200.8	947294	EPA 200.8	947578
60481910004	LAC-MW-702-090425	EPA 200.8	947294	EPA 200.8	947578
60481910005	LAC-MW-705-090425	EPA 200.8	947294	EPA 200.8	947578
60481910006	LAC-MW-706-090425	EPA 200.8	947294	EPA 200.8	947578
60481910007	LAC-MW-707B-090425	EPA 200.8	947294	EPA 200.8	947578
60481910008	LAC-MW-708-090425	EPA 200.8	947294	EPA 200.8	947578
60481910009	LAC-TW-1-090425	EPA 200.8	947296	EPA 200.8	947619
60481910001	LAC-MW-6-090425	EPA 200.8	947228	EPA 200.8	947504
60481910002	LAC-MW-7-090425	EPA 200.8	947290	EPA 200.8	947651
60481910003	LAC-MW-13-090425	EPA 200.8	947290	EPA 200.8	947651
60481910004	LAC-MW-702-090425	EPA 200.8	947290	EPA 200.8	947651
60481910005	LAC-MW-705-090425	EPA 200.8	947290	EPA 200.8	947651
60481910006	LAC-MW-706-090425	EPA 200.8	947290	EPA 200.8	947651
60481910007	LAC-MW-707B-090425	EPA 200.8	947290	EPA 200.8	947651
60481910008	LAC-MW-708-090425	EPA 200.8	947290	EPA 200.8	947651

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481910009	LAC-TW-1-090425	EPA 200.8	947290	EPA 200.8	947651
60481910001	LAC-MW-6-090425	SM 2320B	947370		
60481910002	LAC-MW-7-090425	SM 2320B	947370		
60481910003	LAC-MW-13-090425	SM 2320B	947370		
60481910004	LAC-MW-702-090425	SM 2320B	947370		
60481910005	LAC-MW-705-090425	SM 2320B	947370		
60481910006	LAC-MW-706-090425	SM 2320B	947370		
60481910007	LAC-MW-707B-090425	SM 2320B	947370		
60481910008	LAC-MW-708-090425	SM 2320B	947370		
60481910009	LAC-TW-1-090425	SM 2320B	947370		
60481910001	LAC-MW-6-090425	SM 3500-Fe B#4	947219		
60481910002	LAC-MW-7-090425	SM 3500-Fe B#4	947342		
60481910003	LAC-MW-13-090425	SM 3500-Fe B#4	947219		
60481910004	LAC-MW-702-090425	SM 3500-Fe B#4	947219		
60481910005	LAC-MW-705-090425	SM 3500-Fe B#4	947219		
60481910006	LAC-MW-706-090425	SM 3500-Fe B#4	947219		
60481910007	LAC-MW-707B-090425	SM 3500-Fe B#4	947342		
60481910008	LAC-MW-708-090425	SM 3500-Fe B#4	947342		
60481910009	LAC-TW-1-090425	SM 3500-Fe B#4	947219		
60481910001	LAC-MW-6-090425	SM 4500-S-2 D	947376		
60481910002	LAC-MW-7-090425	SM 4500-S-2 D	947376		
60481910003	LAC-MW-13-090425	SM 4500-S-2 D	947376		
60481910004	LAC-MW-702-090425	SM 4500-S-2 D	947376		
60481910005	LAC-MW-705-090425	SM 4500-S-2 D	947376		
60481910006	LAC-MW-706-090425	SM 4500-S-2 D	947376		
60481910007	LAC-MW-707B-090425	SM 4500-S-2 D	947376		
60481910008	LAC-MW-708-090425	SM 4500-S-2 D	947376		
60481910009	LAC-TW-1-090425	SM 4500-S-2 D	947376		
60481910001	LAC-MW-6-090425	EPA 300.0	947119		
60481910002	LAC-MW-7-090425	EPA 300.0	947119		
60481910003	LAC-MW-13-090425	EPA 300.0	947119		
60481910004	LAC-MW-702-090425	EPA 300.0	947119		
60481910005	LAC-MW-705-090425	EPA 300.0	947119		
60481910006	LAC-MW-706-090425	EPA 300.0	947119		
60481910007	LAC-MW-707B-090425	EPA 300.0	947119		
60481910008	LAC-MW-708-090425	EPA 300.0	947119		
60481910009	LAC-TW-1-090425	EPA 300.0	947119		
60481910001	LAC-MW-6-090425	EPA 365.4	948123	EPA 365.4	948605
60481910002	LAC-MW-7-090425	EPA 365.4	948123	EPA 365.4	948605
60481910003	LAC-MW-13-090425	EPA 365.4	948123	EPA 365.4	948605
60481910004	LAC-MW-702-090425	EPA 365.4	948123	EPA 365.4	948605
60481910005	LAC-MW-705-090425	EPA 365.4	948123	EPA 365.4	948605
60481910006	LAC-MW-706-090425	EPA 365.4	948123	EPA 365.4	948605
60481910007	LAC-MW-707B-090425	EPA 365.4	948123	EPA 365.4	948605

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne CCR Wells -Additional

Pace Project No.: 60481910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481910008	LAC-MW-708-090425	EPA 365.4	948123	EPA 365.4	948605
60481910009	LAC-TW-1-090425	EPA 365.4	948123	EPA 365.4	948605
60481910001	LAC-MW-6-090425	SM 5310C	947854		
60481910002	LAC-MW-7-090425	SM 5310C	947854		
60481910003	LAC-MW-13-090425	SM 5310C	947854		
60481910004	LAC-MW-702-090425	SM 5310C	947854		
60481910005	LAC-MW-705-090425	SM 5310C	947854		
60481910006	LAC-MW-706-090425	SM 5310C	947854		
60481910007	LAC-MW-707B-090425	SM 5310C	947854		
60481910008	LAC-MW-708-090425	SM 5310C	947854		
60481910009	LAC-TW-1-090425	SM 5310C	947854		
60481910001	LAC-MW-6-090425	SM 5310C	948068		
60481910002	LAC-MW-7-090425	SM 5310C	948068		
60481910003	LAC-MW-13-090425	SM 5310C	948068		
60481910004	LAC-MW-702-090425	SM 5310C	948068		
60481910005	LAC-MW-705-090425	SM 5310C	948068		
60481910006	LAC-MW-706-090425	SM 5310C	948068		
60481910007	LAC-MW-707B-090425	SM 5310C	948068		
60481910008	LAC-MW-708-090425	SM 5310C	948068		
60481910009	LAC-TW-1-090425	SM 5310C	948068		

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DC#_Title: ENV-FRM-LENE-0009_Sam

Revision: 2

Effective Date: 01/12/2022

WO#: 60481910



60481910

Client Name: Energy - Haley & AldrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☒ Bubble Bags ☒ Foam ☐ None ☐ Other ampleThermometer Used: T39 Type of Ice: Wet Blue NoneCooler Temperature (°C): As-read 3.5 Corr. Factor 0.0 Corrected 3.5Date and initials of person examining contents: JA 9/5/25Temperature should be above freezing to 6°C 0.1322 0.1322

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>NOX</u>
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☒ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☒ No	
Trip Blank present:	☐ Yes ☒ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____



September 29, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481914001	LAC-MW-6-090425	Water	09/04/25 11:25	09/05/25 14:35
60481914002	LAC-MW-7-090425	Water	09/04/25 12:15	09/05/25 14:35
60481914003	LAC-MW-13-090425	Water	09/04/25 09:55	09/05/25 14:35
60481914004	LAC-MW-14R-090325	Water	09/03/25 14:00	09/05/25 14:35
60481914005	LAC-MW-15-090325	Water	09/03/25 15:25	09/05/25 14:35
60481914006	LAC-MW-601-090325	Water	09/03/25 15:40	09/05/25 14:35
60481914007	LAC-MW-602-090325	Water	09/03/25 12:35	09/05/25 14:35
60481914008	LAC-MW-701-090325	Water	09/03/25 10:40	09/05/25 14:35
60481914009	LAC-MW-702-090425	Water	09/04/25 10:30	09/05/25 14:35
60481914010	LAC-MW-703-090325	Water	09/03/25 15:00	09/05/25 14:35
60481914011	LAC-MW-704-090325	Water	09/03/25 11:40	09/05/25 14:35
60481914012	LAC-MW-705-090425	Water	09/04/25 09:55	09/05/25 14:35
60481914013	LAC-MW-706-090425	Water	09/04/25 10:45	09/05/25 14:35
60481914014	LAC-MW-707B-090425	Water	09/04/25 12:25	09/05/25 14:35
60481914015	LAC-MW-708-090425	Water	09/04/25 13:10	09/05/25 14:35
60481914016	LAC-MW-801-090325	Water	09/03/25 14:05	09/05/25 14:35
60481914017	LAC-MW-802-090325	Water	09/03/25 13:15	09/05/25 14:35
60481914018	LAC-MW-804-090325	Water	09/03/25 11:40	09/05/25 14:35
60481914019	LAC-MW-805-090325	Water	09/03/25 10:45	09/05/25 14:35
60481914020	LAC-TW-1-090425	Water	09/04/25 11:40	09/05/25 14:35
60481914021	LAC-DUP1-090325	Water	09/03/25 10:40	09/05/25 14:35
60481914022	LAC-DUP2-090325	Water	09/03/25 10:45	09/05/25 14:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481914001	LAC-MW-6-090425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914002	LAC-MW-7-090425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914003	LAC-MW-13-090425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914004	LAC-MW-14R-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914005	LAC-MW-15-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914006	LAC-MW-601-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914007	LAC-MW-602-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914008	LAC-MW-701-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914009	LAC-MW-702-090425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914010	LAC-MW-703-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914011	LAC-MW-704-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914012	LAC-MW-705-090425	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914013	LAC-MW-706-090425	EPA 903.1	TMY	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481914014	LAC-MW-707B-090425	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60481914015	LAC-MW-708-090425	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914016	LAC-MW-801-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
60481914017	LAC-MW-802-090325	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60481914018	LAC-MW-804-090325	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914019	LAC-MW-805-090325	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
60481914020	LAC-TW-1-090425	EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
60481914021	LAC-DUP1-090325	Total Radium Calculation	JAL	1	PASI-PA
		EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481914022	LAC-DUP2-090325	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Evergy_Haley & Aldrich

Date: September 29, 2025

General Information:

22 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

Method: EPA 904.0
Description: 904.0 Radium 228
Client: Evergy_Haley & Aldrich
Date: September 29, 2025

General Information:

22 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Evergy_Haley & Aldrich

Date: September 29, 2025

General Information:

22 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-6-090425		Lab ID: 60481914001	Collected: 09/04/25 11:25	Received: 09/05/25 14:35	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/22/25 14:07	13982-63-3	
	EPA 903.1	0.221 ± 0.766 (1.38) C:NA T:99%					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/23/25 14:36	15262-20-1	
	EPA 904.0	0.439 ± 0.428 (0.876) C:71% T:81%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/24/25 13:31	7440-14-4	
	Total Radium Calculation	0.660 ± 0.877 (1.38)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-7-090425	Lab ID: 60481914002	Collected: 09/04/25 12:15	Received: 09/05/25 14:35	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.44 ± 0.848 (1.21) C:NA T:106%	pCi/L	09/22/25 14:07	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.555 ± 0.454 (0.894) C:70% T:80%	pCi/L	09/23/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.00 ± 0.962 (1.21)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-13-090425		Lab ID: 60481914003	Collected: 09/04/25 09:55	Received: 09/05/25 14:35	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/22/25 14:07	13982-63-3	
	EPA 903.1	0.212 ± 0.689 (1.25) C:NA T:99%					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/23/25 14:36	15262-20-1	
	EPA 904.0	0.285 ± 0.369 (0.783) C:76% T:84%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/24/25 13:31	7440-14-4	
	Total Radium Calculation	0.497 ± 0.782 (1.25)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-14R-090325 Lab ID: 60481914004 Collected: 09/03/25 14:00 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.452 ± 0.800 (1.38) C:NA T:95%	pCi/L	09/22/25 14:07	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.879 ± 0.433 (0.751) C:79% T:94%	pCi/L	09/23/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.33 ± 0.910 (1.38)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-15-090325 Lab ID: 60481914005 Collected: 09/03/25 15:25 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.0587 ± 0.771 (1.44) C:NA T:95%	pCi/L	09/22/25 14:07	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.51 ± 0.636 (1.05) C:70% T:92%	pCi/L	09/23/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.57 ± 0.999 (1.44)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-601-090325		Lab ID: 60481914006	Collected: 09/03/25 15:40	Received: 09/05/25 14:35	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/22/25 14:07	13982-63-3	
	EPA 903.1	0.0564 ± 0.774 (1.44) C:NA T:91%					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/23/25 14:36	15262-20-1	
	EPA 904.0	0.112 ± 0.345 (0.778) C:75% T:91%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/24/25 13:31	7440-14-4	
	Total Radium Calculation	0.168 ± 0.847 (1.44)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-602-090325 Lab ID: 60481914007 Collected: 09/03/25 12:35 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.850 ± 0.928 (1.52) C:NA T:94%	pCi/L	09/22/25 14:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.681 ± 0.410 (0.753) C:74% T:88%	pCi/L	09/23/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.53 ± 1.01 (1.52)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-701-090325		Lab ID: 60481914008	Collected: 09/03/25 10:40	Received: 09/05/25 14:35	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/22/25 14:24	13982-63-3	
	EPA 903.1	0.000 ± 0.808 (1.52) C:NA T:87%					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/23/25 14:36	15262-20-1	
	EPA 904.0	0.368 ± 0.352 (0.719) C:75% T:91%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/24/25 13:31	7440-14-4	
	Total Radium Calculation	0.368 ± 0.881 (1.52)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-702-090425 Lab ID: 60481914009 Collected: 09/04/25 10:30 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.159 ± 0.683 (1.25) C:NA T:101%	pCi/L	09/22/25 14:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.544 ± 0.351 (0.653) C:77% T:91%	pCi/L	09/23/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.703 ± 0.768 (1.25)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-703-090325 Lab ID: 60481914010 Collected: 09/03/25 15:00 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.28 ± 1.02 (1.35) C:NA T:98%	pCi/L	09/22/25 14:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.678 ± 0.387 (0.703) C:74% T:93%	pCi/L	09/23/25 12:58	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.96 ± 1.09 (1.35)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-704-090325 Lab ID: 60481914011 Collected: 09/03/25 11:40 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.344 ± 0.926 (1.65) C:NA T:93%	pCi/L	09/22/25 14:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.762 ± 0.401 (0.695) C:72% T:86%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.11 ± 1.01 (1.65)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-705-090425 Lab ID: 60481914012 Collected: 09/04/25 09:55 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.259 ± 0.740 (1.32) C:NA T:98%	pCi/L	09/22/25 14:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.966 ± 0.436 (0.716) C:73% T:90%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.23 ± 0.859 (1.32)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-706-090425 Lab ID: 60481914013 Collected: 09/04/25 10:45 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.662 ± 0.661 (1.05) C:NA T:91%	pCi/L	09/29/25 14:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.41 ± 0.622 (1.06) C:70% T:87%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.07 ± 0.908 (1.06)	pCi/L	09/29/25 16:03	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-707B-090425 Lab ID: 60481914014 Collected: 09/04/25 12:25 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.431 ± 1.11 (1.92) C:NA T:87%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.529 ± 0.475 (0.975) C:74% T:89%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.960 ± 1.21 (1.92)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-708-090425 Lab ID: 60481914015 Collected: 09/04/25 13:10 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.327 ± 0.842 (1.49) C:NA T:97%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.835 ± 0.472 (0.869) C:76% T:89%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.16 ± 0.965 (1.49)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-801-090325 Lab ID: 60481914016 Collected: 09/03/25 14:05 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.209 ± 0.873 (1.60) C:NA T:86%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.587 ± 0.494 (1.00) C:77% T:87%	pCi/L	09/23/25 12:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.796 ± 1.00 (1.60)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-802-090325 Lab ID: 60481914017 Collected: 09/03/25 13:15 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.710 ± 0.931 (1.56) C:NA T:96%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.860 ± 0.463 (0.827) C:71% T:92%	pCi/L	09/23/25 13:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.57 ± 1.04 (1.56)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-804-090325		Lab ID: 60481914018	Collected: 09/03/25 11:40	Received: 09/05/25 14:35	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg			pCi/L	09/22/25 14:45	13982-63-3	
	EPA 903.1	0.109 ± 0.868 (1.58) C:NA T:95%					
Radium-228	Pace Analytical Services - Greensburg			pCi/L	09/23/25 13:00	15262-20-1	
	EPA 904.0	0.385 ± 0.443 (0.926) C:70% T:78%					
Total Radium	Pace Analytical Services - Greensburg			pCi/L	09/24/25 13:31	7440-14-4	
	Total Radium Calculation	0.494 ± 0.975 (1.58)					

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-MW-805-090325 Lab ID: 60481914019 Collected: 09/03/25 10:45 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.0687 ± 1.07 (1.97) C:NA T:82%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.403 ± 0.460 (0.966) C:75% T:82%	pCi/L	09/23/25 13:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.472 ± 1.16 (1.97)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-TW-1-090425 **Lab ID:** 60481914020 Collected: 09/04/25 11:40 Received: 09/05/25 14:35 Matrix: Water
PWS: **Site ID:** **Sample Type:**

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to sample 020, bottle 2/2, to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in wastewater. The samples were not preserved pH < 2 within 15 minutes of collection (40CFR136). Client has been notified via SAF.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.369 ± 0.949 (1.68) C:NA T:93%	pCi/L	09/22/25 14:45	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.32 ± 0.485 (0.718) C:76% T:91%	pCi/L	09/23/25 13:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.69 ± 1.07 (1.68)	pCi/L	09/24/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-DUP1-090325 Lab ID: 60481914021 Collected: 09/03/25 10:40 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.676 ± 0.737 (1.20) C:NA T:93%	pCi/L	09/19/25 14:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.628 ± 0.439 (0.849) C:77% T:89%	pCi/L	09/17/25 14:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.30 ± 0.858 (1.20)	pCi/L	09/22/25 13:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Sample: LAC-DUP2-090325 Lab ID: 60481914022 Collected: 09/03/25 10:45 Received: 09/05/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.02 ± 0.997 (1.62) C:NA T:93%	pCi/L	09/19/25 14:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.02 ± 0.461 (0.751) C:72% T:88%	pCi/L	09/17/25 14:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.04 ± 1.10 (1.62)	pCi/L	09/22/25 13:28	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

QC Batch:	769791	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 60481914021, 60481914022

METHOD BLANK: 3752533 Matrix: Water

Associated Lab Samples: 60481914021, 60481914022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.674 ± 0.405 (0.740) C:71% T:90%	pCi/L	09/17/25 14:37	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

QC Batch:	769800	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60481914001, 60481914002, 60481914003, 60481914004, 60481914005, 60481914006, 60481914007, 60481914008, 60481914009, 60481914010, 60481914011, 60481914012, 60481914013, 60481914014, 60481914015, 60481914016, 60481914017, 60481914018, 60481914019, 60481914020		

METHOD BLANK:	3752543	Matrix:	Water
Associated Lab Samples:	60481914001, 60481914002, 60481914003, 60481914004, 60481914005, 60481914006, 60481914007, 60481914008, 60481914009, 60481914010, 60481914011, 60481914012, 60481914013, 60481914014, 60481914015, 60481914016, 60481914017, 60481914018, 60481914019, 60481914020		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.106 ± 0.392 (0.890) C:71% T:83%	pCi/L	09/23/25 14:35	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

QC Batch:	769790	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 60481914021, 60481914022

METHOD BLANK: 3752532 Matrix: Water

Associated Lab Samples: 60481914021, 60481914022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0483 ± 0.390 (0.766) C:NA T:88%	pCi/L	09/19/25 13:56	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

QC Batch:	769798	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60481914001, 60481914002, 60481914003, 60481914004, 60481914005, 60481914006, 60481914007, 60481914008, 60481914009, 60481914010, 60481914011, 60481914012, 60481914013, 60481914014, 60481914015, 60481914016, 60481914017, 60481914018, 60481914019, 60481914020		

METHOD BLANK:	3752541	Matrix:	Water
Associated Lab Samples:	60481914001, 60481914002, 60481914003, 60481914004, 60481914005, 60481914006, 60481914007, 60481914008, 60481914009, 60481914010, 60481914011, 60481914012, 60481914013, 60481914014, 60481914015, 60481914016, 60481914017, 60481914018, 60481914019, 60481914020		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.221 ± 0.398 (0.701) C:NA T:99%	pCi/L	09/22/25 14:07	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: LA CYGNE CCR RAD
Pace Project No.: 60481914

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Act - Activity
Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).
Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)
(MDC) - Minimum Detectable Concentration
Trac - Tracer Recovery (%)
Carr - Carrier Recovery (%)
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481914001	LAC-MW-6-090425	EPA 903.1	769798		
60481914002	LAC-MW-7-090425	EPA 903.1	769798		
60481914003	LAC-MW-13-090425	EPA 903.1	769798		
60481914004	LAC-MW-14R-090325	EPA 903.1	769798		
60481914005	LAC-MW-15-090325	EPA 903.1	769798		
60481914006	LAC-MW-601-090325	EPA 903.1	769798		
60481914007	LAC-MW-602-090325	EPA 903.1	769798		
60481914008	LAC-MW-701-090325	EPA 903.1	769798		
60481914009	LAC-MW-702-090425	EPA 903.1	769798		
60481914010	LAC-MW-703-090325	EPA 903.1	769798		
60481914011	LAC-MW-704-090325	EPA 903.1	769798		
60481914012	LAC-MW-705-090425	EPA 903.1	769798		
60481914013	LAC-MW-706-090425	EPA 903.1	769798		
60481914014	LAC-MW-707B-090425	EPA 903.1	769798		
60481914015	LAC-MW-708-090425	EPA 903.1	769798		
60481914016	LAC-MW-801-090325	EPA 903.1	769798		
60481914017	LAC-MW-802-090325	EPA 903.1	769798		
60481914018	LAC-MW-804-090325	EPA 903.1	769798		
60481914019	LAC-MW-805-090325	EPA 903.1	769798		
60481914020	LAC-TW-1-090425	EPA 903.1	769798		
60481914021	LAC-DUP1-090325	EPA 903.1	769790		
60481914022	LAC-DUP2-090325	EPA 903.1	769790		
60481914001	LAC-MW-6-090425	EPA 904.0	769800		
60481914002	LAC-MW-7-090425	EPA 904.0	769800		
60481914003	LAC-MW-13-090425	EPA 904.0	769800		
60481914004	LAC-MW-14R-090325	EPA 904.0	769800		
60481914005	LAC-MW-15-090325	EPA 904.0	769800		
60481914006	LAC-MW-601-090325	EPA 904.0	769800		
60481914007	LAC-MW-602-090325	EPA 904.0	769800		
60481914008	LAC-MW-701-090325	EPA 904.0	769800		
60481914009	LAC-MW-702-090425	EPA 904.0	769800		
60481914010	LAC-MW-703-090325	EPA 904.0	769800		
60481914011	LAC-MW-704-090325	EPA 904.0	769800		
60481914012	LAC-MW-705-090425	EPA 904.0	769800		
60481914013	LAC-MW-706-090425	EPA 904.0	769800		
60481914014	LAC-MW-707B-090425	EPA 904.0	769800		
60481914015	LAC-MW-708-090425	EPA 904.0	769800		
60481914016	LAC-MW-801-090325	EPA 904.0	769800		
60481914017	LAC-MW-802-090325	EPA 904.0	769800		
60481914018	LAC-MW-804-090325	EPA 904.0	769800		
60481914019	LAC-MW-805-090325	EPA 904.0	769800		
60481914020	LAC-TW-1-090425	EPA 904.0	769800		
60481914021	LAC-DUP1-090325	EPA 904.0	769791		
60481914022	LAC-DUP2-090325	EPA 904.0	769791		
60481914001	LAC-MW-6-090425	Total Radium Calculation	772929		
60481914002	LAC-MW-7-090425	Total Radium Calculation	772929		
60481914003	LAC-MW-13-090425	Total Radium Calculation	772929		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CYGNE CCR RAD

Pace Project No.: 60481914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481914004	LAC-MW-14R-090325	Total Radium Calculation	772929		
60481914005	LAC-MW-15-090325	Total Radium Calculation	772929		
60481914006	LAC-MW-601-090325	Total Radium Calculation	772929		
60481914007	LAC-MW-602-090325	Total Radium Calculation	772929		
60481914008	LAC-MW-701-090325	Total Radium Calculation	772929		
60481914009	LAC-MW-702-090425	Total Radium Calculation	772929		
60481914010	LAC-MW-703-090325	Total Radium Calculation	772929		
60481914011	LAC-MW-704-090325	Total Radium Calculation	772929		
60481914012	LAC-MW-705-090425	Total Radium Calculation	772929		
60481914013	LAC-MW-706-090425	Total Radium Calculation	773870		
60481914014	LAC-MW-707B-090425	Total Radium Calculation	772929		
60481914015	LAC-MW-708-090425	Total Radium Calculation	772929		
60481914016	LAC-MW-801-090325	Total Radium Calculation	772929		
60481914017	LAC-MW-802-090325	Total Radium Calculation	772929		
60481914018	LAC-MW-804-090325	Total Radium Calculation	772929		
60481914019	LAC-MW-805-090325	Total Radium Calculation	772929		
60481914020	LAC-TW-1-090425	Total Radium Calculation	772929		
60481914021	LAC-DUP1-090325	Total Radium Calculation	772336		
60481914022	LAC-DUP2-090325	Total Radium Calculation	772336		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-LENE-0009_Sam

Revision: 2

Effective Date: 01/12/2

W0#: 60481914



60481914

Client Name:

Everex H/ACourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☒ No ☐Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐Thermometer Used: T301 Type of Ice: 15 Wet ☒ Blue ☐ None ☐Cooler Temperature (°C): As-read 20.5 Corr. Factor 0.0 Corrected 20.5Date and initials of person
examining contents:AF 9/5

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Project Manager Review:

Date:

 Pace® Location Requested (City/State): Pace Analytical Kansas 9608 Loiret Blvd., Lenexa, KS 66219		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields				LAB USE ONLY- Affix Workorder/Login Label Here  60481914 Scan QR Code for instructions																
Company Name: Evergy_Haley & Aldrich			Contact/Report To: Jake Humphrey																			
Street Address: 818 S Kansas Avenue Topeka, KS 66612			Phone #: (913)634-0605																			
			E-Mail: jake.humphrey@evergy.com																			
			Cc E-Mail: skaney@haleyaldrich.com																			
Customer Project #:			Invoice To: Lacygne-Evergy Payable																			
Project Name: La Cygne CCR Rad			Invoice E-Mail: apinvoicing@evergy.com																			
Site Collection Info/Facility ID (as applicable): Evergy La Cygne Generating Station			Purchase Order # (if applicable): 3000222251																			
Quote #:																						
Time Zone Collected: ☐ AK ☐ PT ☐ MT ☒ CT ☐ ET			County / State origin of sample(s): Kansas																			
Data Deliverables: ☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other			Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ No																			
			Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other			DW PWSID # or WW Permit # as applicable: NA																
			Date Results Requested:			Field Filtered (if applicable): ☐ Yes ☒ No																
						Analysis:																
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																						
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		Radium 226; Radium 228; Radium 226/228 Combined (calc); QC Sheets											
				Date	Time	Date	Time		Results	Units												
LaC-MW-6-090425		GW	GRAB	-	-	9/4/2025	1125	2	-	-	X											
LaC-MW-7-090425		GW	GRAB	-	-	9/4/2025	1215	2	-	-	X											
LaC-MW-13-090425		GW	GRAB	-	-	9/4/2025	955	2	-	-	X											
LaC-MW-14R-090325		GW	GRAB	-	-	9/3/2025	1400	2	-	-	X											
LaC-MW-15-090325		GW	GRAB	-	-	9/3/2025	1525	2	-	-	X											
LaC-MW-601-090325		GW	GRAB	-	-	9/3/2025	1540	2	-	-	X											
LaC-MW-602-090325		GW	GRAB	-	-	9/3/2025	1235	2	-	-	X											
LaC-MW-701-090325		GW	GRAB	-	-	9/3/2025	1040	2	-	-	X											
LaC-MW-702-090425		GW	GRAB	-	-	9/4/2025	1030	2	-	-	X											
LaC-MW-703-090325		GW	GRAB	-	-	9/3/2025	1500	2	-	-	X											
Additional Instructions from Pace*:				Collected By: Jason R. Franks (Printed Name) Signature: <i>Jason R. Franks</i>				Customer Remarks / Special Conditions / Possible Hazards:														
								# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) 20.5 Corrected Temp. (°C) 20.5 On Ice:														
Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / SCS		Date/Time: 09/05/2025 / 14:30		Received by/Company: (Signature) <i>Carmen June Pace</i>		Date/Time: 9/5 14:35		Tracking Number:														
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Delivered by: ☐ In-Person ☐ Courier														
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		☐ FedEX ☐ UPS ☐ Other														
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Page: 1 of 3														

ENV-FRM-CORQ-0019 v02 110123 ©

[illegible]

Energy

Profile/EZ # _____

EZ 3295679

Site: _____

Notes _____

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other			
1	Matrix																					Matrix											
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

WO#: 60481914

PM: AS

Due Date: 09/22/25

CLIENT: Evergy_Haley

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	X																						X									
2																							X									
3																							X									
4																							X									
5																							X									
6																							X									
7																							X									
8																							X									
9																							X									
10																							X									
11																							X									
12																							X									

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio, clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60481914

Site:

Energy H+ A
LA Gagne CCR RAD

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																															
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGPU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60481914

☒ Samples Pre-Logged into eCOC

Cert. Needed: ☒ Yes

☐ No

9/5/2025

Results Requested By: 9/22/2025

Workorder Name: LA CYGNE CCR RAD

Report To

Subcontract To

Requested Analysis

Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2,3, & 4
Greensburg, PA 15601
Phone (724)850-5600

QC Sheets
Radium 226
Radium 228 and combined

Preserved Containers

LAB USE ONLY

[illegible]

WO# : 30808954



30808954



☐ Rush Multiplier_____X

☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes

☐ No

Workorder Name: LA CYGNE CCR RAD

Owner Received Date:

9/5/2025

Results Requested By: 9/22/2025

[illegible]

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO# : 30808954

PM: CMC

Due Date: 09/30/25

CLIENT: PACE_60_LEKS



DC#_Title: ENV-FRM-GBUR-0088 v09_Sample Condition Upon Receipt-Greensburg

Effective Date: 06/24/2025

Client Name: Pace-KS

Proj

WO#: 30808954

PM: CMC

Due Date: 09/30/25

CLIENT: PACE_60_LEKS

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 4453 8936 4866

Examined By: ps 9/9/25

Labeled By: ps 9/9/25

Temped By: ps 9/9/25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

Seals Intact:

☐ Yes ☒ No

Therm. Used: Type of Ice: Wet Blue None

Cooler Temp: Observed Temp °C Correction Factor: °C Final Temp: °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# <u>10043241</u>	D.P.D. Residual Chlorine Lot # <u> </u>
Chain of Custody Present	☒	☐	☐	1.	
Chain of Custody Filled Out: -Were client corrections present on COC	☒	☐	☐	2.	
Chain of Custody Relinquished	☒	☐	☐	3.	
Sampler Name & Signature on COC:	☒	☐	☐	4.	
Sample Labels match COC: -Includes date/time/ID Matrix: <u>WT</u>	☒	☐	☐	5.	
Samples Arrived within Hold Time:	☒	☐	☐	6.	
Short Hold Time Analysis (<72hr remaining):	☒	☐	☐	7.	
Rush Turn Around Time Requested:	☒	☐	☐	8.	
Sufficient Volume:	☒	☐	☐	9.	
Correct Containers Used: -Pace Containers Used	☒	☐	☐	10.	
Containers Intact:	☒	☐	☐	11.	
Orthophosphate field filtered:	☒	☐	☐	12.	
Hex Cr Aqueous samples field filtered:	☒	☐	☐	13.	
Organic Samples checked for dechlorination	☒	☐	☐	14.	
Filtered volume received for dissolved tests: Cr6+, Orthophosphate, DOC, Metals	☒	☐	☐	15.	
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, TOX, LL Hg, Radon, non-aqueous matrix	☒	☐	☐	16.	<u>added 25 mL H₂O₂ to sample</u> <u>020:2/2.</u>
All containers meet method preservation requirements:	☒	☐	☐	Initial when completed <u>PS</u>	Date/Time of Preservation <u>9/9/25 1715</u>
				Lot# of added Preservative <u>30223270</u>	
8260C/D: Headspace in VOA Vials (> 6mm)	☒	☐	☐	17.	
624.1: Headspace in VOA Vials (0mm)	☒	☐	☐	18.	
Radon: Headspace in RAD Vials (0mm)	☒	☐	☐	19.	
Trip Blank Present:	☒	☐	☐	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	☒	☐	☐	Initial when completed <u>PS</u>	Date: <u>9/9/25</u> Survey Meter SN: <u>25014380</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: DSO
Date: 9/11/2025
Batch ID: 86998
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3752532	
MB concentration:	0.048	
M/B 2 Sigma CSU:	0.390	
MB MDC:	0.766	
MB Numerical Performance Indicator:	0.24	
MB Status vs Numerical Indicator:	Pass	
MB Status vs. MDC:	N/A	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCSD86998	LCSD86998
Count Date:	9/19/2025	9/19/2025
Spike I.D.:	25-038	25-038
Spike Concentration (pCi/mL):	31.876	31.876
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.654	0.654
Target Conc. (pCi/L, g, F):	4.874	4.877
Uncertainty (Calculated):	0.229	0.229
Result (pCi/L, g, F):	7.107	5.926
LCSD/LCSD 2 Sigma CSU (pCi/L, g, F):	1.489	1.338
Numerical Performance Indicator:	2.91	1.51
Percent Recovery:	145.81%	121.50%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCSD86998	Enter Duplicate
Duplicate Sample I.D.:	LCSD86998	sample IDs if
Sample Result (pCi/L, g, F):	7.107	other than
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.489	LCSD/LCSD in
Sample Duplicate Result (pCi/L, g, F):	5.926	the space below.
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.338	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.167	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	18.19%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

u 091925 00 4/19/25



Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: TMY
Date: 9/12/2025
Batch ID: 87001
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID	3752541
MB concentration:	0.221
M/B 2 Sigma CSU:	0.398
MB MDC:	0.701
MB Numerical Performance Indicator:	1.09
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS (Y or N)?	Y
	LCS87001	LCS87001
Count Date:	9/22/2025	9/22/2025
Spike I.D.:	25-038	25-038
Spike Concentration (pCi/mL):	31.876	31.876
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.651	0.652
Target Conc. (pCi/L, g, F):	4.898	4.892
Uncertainty (Calculated):	0.230	0.230
Result (pCi/L, g, F):	6.426	5.701
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.424	1.339
Numerical Performance Indicator:	2.08	1.17
Percent Recovery:	131.21%	116.53%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Duplicate Sample Assessment

Sample I.D.:	LCS87001	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD87001	
Sample Result (pCi/L, g, F):	6.426	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.424	
Sample Duplicate Result (pCi/L, g, F):	5.701	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.339	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.727	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.86%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

DO 9/22/25

9/22/25



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: JJS1
Date: 9/15/2025
Worklist: 86999
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment		
MB Sample ID	3752533	
MB concentration:	0.674	
M/B 2 Sigma CSU:	0.405	
MB MDC:	0.740	
MB Numerical Performance Indicator:	3.26	
MB Status vs Numerical Indicator:	Fail*	
MB Status vs. MDC:	Pass	

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86999	LCSD86999
Count Date:	9/17/2025	9/17/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.258	31.258
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.818
Target Conc. (pCi/L, g, F):	3.818	3.823
Uncertainty (Calculated):	0.187	0.187
Result (pCi/L, g, F):	2.482	2.759
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.686	0.711
Numerical Performance Indicator:	-3.69	-2.84
Percent Recovery:	65.00%	72.16%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86999	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD86999	
Sample Result (pCi/L, g, F):	2.482	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.686	
Sample Duplicate Result (pCi/L, g, F):	2.759	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.711	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.550	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	10.44%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.

✓AL
9/18/25
MB activity < MDC
Pass
9/18/25

9/18/25



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: VAL
Date: 9/16/2025
Worklist: 87002
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment

MB Sample ID: 3752543
MB concentration: 0.106
M/B 2 Sigma CSU: 0.392
MB MDC: 0.890
MB Numerical Performance Indicator: 0.53
MB Status vs Numerical Indicator: Pass
MB Status vs. MDC: Pass

Laboratory Control Sample Assessment

	LCSD (Y or N)?	Y
	LCS87002	LCSD87002
Count Date:	9/23/2025	9/23/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.197	31.197
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.816
Target Conc. (pCi/L, g, F):	3.821	3.823
Uncertainty (Calculated):	0.187	0.187
Result (pCi/L, g, F):	4.052	3.547
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.985	0.834
Numerical Performance Indicator:	0.45	-0.63
Percent Recovery:	106.04%	92.80%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment

Sample I.D.:	LCS87002	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	LCSD87002	
Sample Result (pCi/L, g, F):	4.052	
Sample Duplicate Result (pCi/L, g, F):	3.547	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.985	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.834	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.766	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	13.32%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:	
Sample MS I.D.:	
Sample MSD I.D.:	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
9/24/25



September 29, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: LA CYGNE N&E NEW WELLS - RADS
Pace Project No.: 60481915

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LA CYGNE N&E NEW WELLS - RAD5

Pace Project No.: 60481915

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481915001	LAC-B-1-090425	Water	09/04/25 15:15	09/05/25 15:55
60481915002	LAC-B-2-090425	Water	09/04/25 13:50	09/05/25 15:55
60481915003	LAC-B-3-090425	Water	09/04/25 15:15	09/05/25 15:55
60481915004	LAC-B-4-090525	Water	09/05/25 10:45	09/05/25 15:55
60481915005	LAC-B-5-090525	Water	09/05/25 09:50	09/05/25 15:55
60481915006	LAC-MW-10D-090525	Water	09/05/25 09:40	09/05/25 15:55
60481915007	LAC-MW-707D-090425	Water	09/04/25 14:00	09/05/25 15:55
60481915008	LAC-N&E-DUP-090425	Water	09/04/25 13:50	09/05/25 15:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481915001	LAC-B-1-090425	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915002	LAC-B-2-090425	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915003	LAC-B-3-090425	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915004	LAC-B-4-090525	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915005	LAC-B-5-090525	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915006	LAC-MW-10D-090525	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915007	LAC-MW-707D-090425	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
60481915008	LAC-N&E-DUP-090425	EPA 903.1	DSO	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Evergy_Haley & Aldrich

Date: September 29, 2025

General Information:

8 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Evergy_Haley & Aldrich

Date: September 29, 2025

General Information:

8 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Evergy_Haley & Aldrich

Date: September 29, 2025

General Information:

8 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-B-1-090425 **Lab ID:** 60481915001 Collected: 09/04/25 15:15 Received: 09/05/25 15:55 Matrix: Water

PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to sample 001, BP1N 1/1 and 1/2, to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in wastewater. The samples were not preserved pH < 2 within 15 minutes of collection (40CFR136). Client has been notified via SAF.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.61 ± 1.03 (1.20) C:NA T:98%	pCi/L	09/23/25 13:25	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	4.90 ± 1.09 (0.705) C:78% T:94%	pCi/L	09/24/25 14:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	7.51 ± 1.50 (1.20)	pCi/L	09/25/25 11:55	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-B-2-090425	Lab ID: 60481915002	Collected: 09/04/25 13:50	Received: 09/05/25 15:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.265 ± 0.686 (0.988) C:NA T:99%	pCi/L	09/23/25 13:25	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.445 ± 0.360 (0.716) C:82% T:94%	pCi/L	09/24/25 14:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.710 ± 0.775 (0.988)	pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-B-3-090425		Lab ID: 60481915003	Collected: 09/04/25 15:15	Received: 09/05/25 15:55	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg						
	EPA 903.1	1.39 ± 0.778 (0.974) C:NA T:97%		pCi/L	09/23/25 13:25	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 904.0	1.67 ± 0.549 (0.728) C:77% T:95%		pCi/L	09/24/25 14:48	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	3.06 ± 0.952 (0.974)		pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-B-4-090525	Lab ID: 60481915004	Collected: 09/05/25 10:45	Received: 09/05/25 15:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	1.84 ± 0.816 (0.963) C:NA T:103%	pCi/L	09/23/25 13:25	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	4.18 ± 0.973 (0.722) C:77% T:92%	pCi/L	09/24/25 14:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	6.02 ± 1.27 (0.963)	pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-B-5-090525		Lab ID: 60481915005	Collected: 09/05/25 09:50	Received: 09/05/25 15:55	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC) Carr Trac		Units	Analyzed	CAS No.	Qual
Radium-226	Pace Analytical Services - Greensburg						
	EPA 903.1	0.580 ± 0.699 (0.965) C:NA T:107%		pCi/L	09/23/25 13:25	13982-63-3	
Radium-228	Pace Analytical Services - Greensburg						
	EPA 904.0	1.86 ± 0.599 (0.746) C:79% T:86%		pCi/L	09/24/25 14:48	15262-20-1	
Total Radium	Pace Analytical Services - Greensburg						
	Total Radium Calculation	2.44 ± 0.921 (0.965)		pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-MW-10D-090525 Lab ID: 60481915006 Collected: 09/05/25 09:40 Received: 09/05/25 15:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.218 ± 0.926 (1.33) C:NA T:104%	pCi/L	09/23/25 13:25	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.531 ± 0.331 (0.612) C:83% T:99%	pCi/L	09/24/25 14:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.749 ± 0.983 (1.33)	pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-MW-707D-090425	Lab ID: 60481915007	Collected: 09/04/25 14:00	Received: 09/05/25 15:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.714 ± 0.705 (0.956) C:NA T:97%	pCi/L	09/23/25 13:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.35 ± 0.485 (0.704) C:81% T:99%	pCi/L	09/24/25 14:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.06 ± 0.856 (0.956)	pCi/L	09/25/25 11:55	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

Sample: LAC-N&E-DUP-090425 Lab ID: 60481915008 Collected: 09/04/25 13:50 Received: 09/05/25 15:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	-0.176 ± 0.676 (1.02) C:NA T:97%	pCi/L	09/23/25 13:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.747 ± 0.476 (0.911) C:80% T:95%	pCi/L	09/24/25 14:49	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.747 ± 0.827 (1.02)	pCi/L	09/25/25 11:55	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

QC Batch:	770142	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60481915001, 60481915002, 60481915003, 60481915004, 60481915005, 60481915006, 60481915007, 60481915008		

METHOD BLANK: 3754268 Matrix: Water

Associated Lab Samples: 60481915001, 60481915002, 60481915003, 60481915004, 60481915005, 60481915006, 60481915007, 60481915008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0218 ± 0.394 (0.596) C:NA T:101%	pCi/L	09/23/25 13:25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

QC Batch:	770143	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	60481915001, 60481915002, 60481915003, 60481915004, 60481915005, 60481915006, 60481915007, 60481915008		

METHOD BLANK:	3754274	Matrix:	Water
Associated Lab Samples:	60481915001, 60481915002, 60481915003, 60481915004, 60481915005, 60481915006, 60481915007, 60481915008		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.597 ± 0.351 (0.646) C:81% T:102%	pCi/L	09/24/25 14:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: LA CYGNE N&E NEW WELLS - RADS

Pace Project No.: 60481915

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: LA CYGNE N&E NEW WELLS - RAD5

Pace Project No.: 60481915

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481915001	LAC-B-1-090425	EPA 903.1	770142		
60481915002	LAC-B-2-090425	EPA 903.1	770142		
60481915003	LAC-B-3-090425	EPA 903.1	770142		
60481915004	LAC-B-4-090525	EPA 903.1	770142		
60481915005	LAC-B-5-090525	EPA 903.1	770142		
60481915006	LAC-MW-10D-090525	EPA 903.1	770142		
60481915007	LAC-MW-707D-090425	EPA 903.1	770142		
60481915008	LAC-N&E-DUP-090425	EPA 903.1	770142		
60481915001	LAC-B-1-090425	EPA 904.0	770143		
60481915002	LAC-B-2-090425	EPA 904.0	770143		
60481915003	LAC-B-3-090425	EPA 904.0	770143		
60481915004	LAC-B-4-090525	EPA 904.0	770143		
60481915005	LAC-B-5-090525	EPA 904.0	770143		
60481915006	LAC-MW-10D-090525	EPA 904.0	770143		
60481915007	LAC-MW-707D-090425	EPA 904.0	770143		
60481915008	LAC-N&E-DUP-090425	EPA 904.0	770143		
60481915001	LAC-B-1-090425	Total Radium Calculation	773195		
60481915002	LAC-B-2-090425	Total Radium Calculation	773195		
60481915003	LAC-B-3-090425	Total Radium Calculation	773195		
60481915004	LAC-B-4-090525	Total Radium Calculation	773195		
60481915005	LAC-B-5-090525	Total Radium Calculation	773195		
60481915006	LAC-MW-10D-090525	Total Radium Calculation	773195		
60481915007	LAC-MW-707D-090425	Total Radium Calculation	773195		
60481915008	LAC-N&E-DUP-090425	Total Radium Calculation	773195		

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DC#_Title: ENV-FRM-LENE-0009_Sample Co

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

WO#: 60481915

Client Name: Energy H&ACourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☒ No ☐Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☐ AF ☒ Foam ☐ None ☐ Other ☒Thermometer Used: T301 Type of Ice: Wet Blue ☒ None ☐Cooler Temperature (°C): As-read 18.0 Corr. Factor 0.0 Corrected 18.0Date and initials of person
examining contents:
AF 9/15

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>Wet</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here



Scan QR Code for instructions

60481915

Company Name:	Evergy_Haley & Aldrich	Contact/Report To:	Jake Humphrey
Street Address:	818 S Kansas Avenue Topeka, KS 66612	Phone #:	(913)634-0605
		E-Mail:	jake.humphrey@evergy.com
		Cc E-Mail:	skaney@haleyaldrich.com
Customer Project #:			
Project Name:	La Cygne N&E Wells - RADS	Invoice To:	Lacygne-Evergy Payable
		Invoice E-Mail:	apinvoicing@evergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	3000222251
	Evergy La Cygne Generating Station	Quote #:	

Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
1										
Identify Container Preservative Type***										*** Preservative Types: (1) None, (2) HNO ₃ , (3) H ₂ SO ₄ , (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO ₄ , (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other.
2										
Analysis Requested										

Time Zone Collected: ☐ AK ☐ PT ☐ MT ☒ X CT ☐ ET										County / State origin of sample(s): Kansas																			
Data Deliverables: ☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other										Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☒ X No																			
										Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other _____										DW PWSID # or WW Permit # as applicable: NA									
										Date Results Requested:										Field Filtered (if applicable): ☒ X Yes ☐ No									
																				Analysis: DOC									

[illegible]

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioass (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

[illegible]

Additional Instructions from Pace*:	Collected By: (Printed Name) Signature:	Jason R. Franks <i>Jason R. Franks</i>
-------------------------------------	---	--

Customer Remarks / Special Conditions / Possible Hazards:						
# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:	
	T301	0-0	18-0	18-0		

Relinquished by/Company: (Signature) <i>Jason R. Franks</i> / SCS	Date/Time: 09/05/2025 / 16:00	Received by/Company: (Signature) <i>JAP</i>
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)

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<i>ace</i>	Date/Time: <i>9/5/25 1555</i>	Tracking Number:
	Date/Time:	Delivered by: [] In- Person [] Courier
	Date/Time:	[] FedEx [] UPS [] Other
	Date/Time:	Page: 1 of 1

Energy H+ A

Profile/EZ #

EZ 3295544

Site:

LA Gyro N+E Wells - RADS

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	WT																					JDU										
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NaOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NaOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	Oil
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpreserved plastic		

Work Order Number:

60481915

☒ Samples Pre-Logged into eCOC

Cert. Needed: ☒ Yes ☐ No



Page 23 of 26

Results Requested By: 9/22/2025

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO# : 30809302



30809302

	DC#_Title: ENV-FRM-GBUR-0088 v09_Sample Condition Upon Receipt- Greensburg			WO# : 30809302	
	Effective Date: 06/24/2025			PM: CMC Due Date: 10/01/25 CLIENT: PACE_60_LEKS	
Client Name: <u>Pace KS</u>			Project #: _____		

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 4453 8936 5601

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No
 Seals Intact: ☐ Yes ☒ No

Therm. Used: _____ **Type of Ice:** Wet Blue None

Cooler Temp: **Observed Temp** _____ °C **Correction Factor:** _____ °C **Final Temp:** _____ °C

Temp should be above freezing to 6°C

Initial / Date

Examined By: MS 9/10/25

Labeled By: MS 9/10/25

Temped By: _____

Comments:	Yes	No	NA	pH paper Lot# <u>10D43241</u>	D.P.D. Residual Chlorine Lot # _____
Chain of Custody Present	✓			1.	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓			
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:		✓		4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: <u>WT</u>					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dechlorination			✓	14.	
Filtered volume received for dissolved tests:			✓	15.	
Cr6+, Orthophosphate, DOC, Metals					
All containers checked for preservation:	✓			16.	<u>Sample 001 2.5mL HNO3 added to BPIN 1,2</u>
exceptions: VOA, coliform, TOC, O&G, TOX, LL Hg, Radon, non-aqueous matrix					
All containers meet method preservation requirements:	✓	✓		Initial when completed <u>MS</u>	Date/Time of Preservation <u>9/10/25 15:50</u>
				Lot# of added Preservative <u>30223270</u>	
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Radon: Headspace in RAD Vials (0mm)			✓	19.	
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed <u>PK</u>	Date: <u>9/10/25</u> Survey Meter SN: <u>254580</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
 PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.



Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: DSO
Date: 9/16/2025
Batch ID: 87025
Matrix: WT

Method Blank Assessment	
MB Sample ID	3754268
MB concentration:	0.022
M/B 2 Sigma CSU:	0.394
MB MDC:	0.596
MB Numerical Performance Indicator:	0.11
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCSD87025	LCSD87025
Count Date:	9/23/2025	9/23/2025
Spike I.D.:	25-038	25-038
Spike Concentration (pCi/mL):	31.876	31.876
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.652	0.655
Target Conc. (pCi/L, g, F):	4.890	4.866
Uncertainty (Calculated):	0.230	0.229
Result (pCi/L, g, F):	3.406	4.646
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.000	1.144
Numerical Performance Indicator:	-2.83	-0.37
Percent Recovery:	69.65%	95.48%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	133%	133%
Lower % Recovery Limits:	73%	73%

Duplicate Sample Assessment		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:	LCS87025	
Duplicate Sample I.D.:	LCSD87025	
Sample Result (pCi/L, g, F):	3.406	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.000	
Sample Duplicate Result (pCi/L, g, F):	4.646	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.144	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.599	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	31.27%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	N/A	
% RPD Limit:	32%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		
Sample MS I.D.:		
Sample MSD I.D.:		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

TY 9.24.25 DO 9124125



Quality Control Sample Performance Assessment

Test: Ra-228
Analyst: JJS1
Date: 9/18/2025
Worklist: 87026
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment			
MB Sample ID	3754274		
MB concentration:	0.597		
M/B 2 Sigma CSU:	0.351		
MB MDC:	0.646		
MB Numerical Performance Indicator:	3.34		
MB Status vs Numerical Indicator:	Fail*		
MB Status vs. MDC:	Pass		

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS87026	LCSD87026
Count Date:	9/24/2025	9/24/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.185	31.185
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.818
Target Conc. (pCi/L, g, F):	3.805	3.814
Uncertainty (Calculated):	0.186	0.187
Result (pCi/L, g, F):	2.867	3.887
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.683	0.901
Numerical Performance Indicator:	-2.60	0.15
Percent Recovery:	75.35%	101.90%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment			
Sample I.D.:	LCS87026	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.	
Duplicate Sample I.D.:	LCSD87026		
Sample Result (pCi/L, g, F):	2.867		
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.683		
Sample Duplicate Result (pCi/L, g, F):	3.887		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.901		
Are sample and/or duplicate results below RL?	NO		
Duplicate Numerical Performance Indicator:	-1.767		
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	29.95%		
Duplicate Status vs Numerical Indicator:	Pass		
Duplicate Status vs RPD:	Pass		
% RPD Limit:	36%		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.

MB activity < MDC, Pass

M 9/25/25

9-25-25



September 26, 2025

Jake Humphrey
Evergy, Inc.
818 S Kansas Avenue
Topeka, KS 66612

RE: Project: La Cygne N&E Wells
Pace Project No.: 60481916

Dear Jake Humphrey:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Kansas City

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

Sincerely,

Alice Spiller
alice.spiller@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Jordan Eichman, Haley & Aldrich, Inc.
Samantha Kaney, Haley & Aldrich
Nick Williams, Haley Aldrich



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

EPA Lab Code: KS00021

Arkansas Certification #: 88-00679

Illinois Certification #: 200030

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Oklahoma Certification #: 9205

Texas Certification #: T104704407

Utah Certification #: KS0002125-15

UDSA_CA : #KS-SC-DOM-25-01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60481916001	LAC-B-1-090425	Water	09/04/25 15:15	09/05/25 15:55
60481916002	LAC-B-2-090425	Water	09/04/25 13:50	09/05/25 15:55
60481916003	LAC-B-3-090425	Water	09/04/25 15:15	09/05/25 15:55
60481916004	LAC-B-4-090525	Water	09/05/25 10:45	09/05/25 15:55
60481916005	LAC-B-5-090525	Water	09/05/25 09:50	09/05/25 15:55
60481916006	LAC-MW-10D-090525	Water	09/05/25 09:40	09/05/25 15:55
60481916007	LAC-MW-707D-090425	Water	09/04/25 14:00	09/05/25 15:55
60481916008	LAC-N&E-DUP-090425	Water	09/04/25 13:50	09/05/25 15:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481916001	LAC-B-1-090425	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481916002	LAC-B-2-090425	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481916003	LAC-B-3-090425	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481916004	LAC-B-4-090525	EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481916005	LAC-B-5-090525	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481916006	LAC-MW-10D-090525	EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	GTS	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	MLD	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
60481916007	LAC-MW-707D-090425	EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 200.8	CJM	3	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60481916008	LAC-N&E-DUP-090425	SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		EPA 200.7	ARMN	6	PASI-K
		EPA 200.7	ARMN	1	PASI-K
		EPA 6010	ARMN	1	PASI-K
		EPA 200.8	CJM	8	PASI-K
		EPA 245.1	MNG	1	PASI-K
		SM 2320B	EMB	3	PASI-K
		SM 2540C	CAR	1	PASI-K
		SM 3500-Fe B#4	DLJ	1	PASI-K
		SM 4500-H+B	EMB	1	PASI-K
		SM 4500-S-2 D	DLJ	1	PASI-K
		EPA 300.0	PL	2	PASI-K
		EPA 300.0	GTS	3	PASI-K
		EPA 365.4	AKK	1	PASI-K
		SM 5310C	EMB	1	PASI-K
		SM 5310C	EMB	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Method: EPA 200.7
Description: 200.7 Metals, Total
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: EPA 200.7

Description: 200.7 Metals, Dissolved

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 200.7 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947288

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481910002,60481916002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754473)
- Magnesium, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: 947288

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 3754469)
- Magnesium, Dissolved

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Method: EPA 6010
Description: 6010 MET ICP
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: EPA 6010

Description: 6010 MET ICP, Dissolved

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

7 samples were analyzed for EPA 6010 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Method: EPA 200.8
Description: 200.8 MET ICPMS
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947296

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481916001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754506)
 - Aluminum
 - Barium
 - Iron
 - Manganese
- MSD (Lab ID: 3754507)
 - Aluminum
 - Iron

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Method: EPA 200.8
Description: 200.8 MET ICPMS, Dissolved
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

7 samples were analyzed for EPA 200.8 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 947290

B: Analyte was detected in the associated method blank.

- BLANK for HBN 947290 [MPRP/886 (Lab ID: 3754474)]
- Iron, Dissolved

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Method: EPA 245.1
Description: 245.1 Mercury
Client: Evergy_Haley & Aldrich
Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 245.1 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 948452

CC: The continuing calibration for this compound is outside of method control limits. The result is estimated.

- MS (Lab ID: 3759204)
- Mercury

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 2320B

Description: 2320B Alkalinity

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 2320B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 2540C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 3500-Fe B#4

Description: Iron, Ferrous

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 3500-Fe B#4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- LAC-B-1-090425 (Lab ID: 60481916001)
- LAC-B-2-090425 (Lab ID: 60481916002)
- LAC-B-3-090425 (Lab ID: 60481916003)
- LAC-B-4-090525 (Lab ID: 60481916004)
- LAC-B-5-090525 (Lab ID: 60481916005)
- LAC-MW-10D-090525 (Lab ID: 60481916006)
- LAC-MW-707D-090425 (Lab ID: 60481916007)
- LAC-N&E-DUP-090425 (Lab ID: 60481916008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 4500-H+B by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-4-090525 (Lab ID: 60481916004)
- LAC-B-5-090525 (Lab ID: 60481916005)
- LAC-MW-10D-090525 (Lab ID: 60481916006)

H3: Sample was received or analysis requested beyond the recognized method holding time.

- LAC-B-1-090425 (Lab ID: 60481916001)
- LAC-B-2-090425 (Lab ID: 60481916002)
- LAC-B-3-090425 (Lab ID: 60481916003)
- LAC-MW-707D-090425 (Lab ID: 60481916007)
- LAC-N&E-DUP-090425 (Lab ID: 60481916008)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 4500-S-2 D

Description: 4500S2D Sulfide, Total

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 947376

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481994001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3754911)
 - Sulfide, Total
- MSD (Lab ID: 3754912)
 - Sulfide, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- LAC-B-5-090525 (Lab ID: 60481916005)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 948331

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481584001,60482480001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3758691)
- Nitrite as N

Additional Comments:

Analyte Comments:

QC Batch: 947119

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- LAC-B-3-090425 (Lab ID: 60481916003)
- Nitrate as N

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 300.0 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 948610

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481686001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3759772)
 - Chloride
- MSD (Lab ID: 3759773)
 - Chloride

Additional Comments:

Analyte Comments:

QC Batch: 948610

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3759772)
 - Chloride
- MSD (Lab ID: 3759773)
 - Chloride

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: EPA 365.4

Description: 365.4 Total Phosphorus

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for EPA 365.4 by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 948123

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 3758066)
- Phosphorus

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 5310C

Description: 5310C TOC

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 948212

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60481977001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3758266)
- Total Organic Carbon

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Method: SM 5310C

Description: 5310C Dissolved Organic Carbon

Client: Evergy_Haley & Aldrich

Date: September 26, 2025

General Information:

8 samples were analyzed for SM 5310C by Pace Analytical Services Kansas City. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-1-090425 Lab ID: 60481916001 Collected: 09/04/25 15:15 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.7	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 13:09	7440-42-8	
Calcium, Total Recoverable	156	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 13:09	7440-70-2	
Magnesium, Total Recoverable	76.3	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 13:09	7439-95-4	
Potassium, Total Recoverable	20.3	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 13:09	7440-09-7	
Sodium, Total Recoverable	437	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 13:09	7440-23-5	
Total Hardness by 2340B, Total Recoverable	703	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 13:09		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	40.2	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:49	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.21	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 18:50	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.15	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:26	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	54.0	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:09	7429-90-5	M1
Arsenic, Total Recoverable	0.0088	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:09	7440-38-2	
Barium, Total Recoverable	0.44	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:09	7440-39-3	M1
Chromium, Total Recoverable	0.072	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:09	7440-47-3	
Cobalt, Total Recoverable	0.038	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:09	7440-48-4	
Iron, Total Recoverable	77.7	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:09	7439-89-6	M1
Manganese, Total Recoverable	1.4	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:09	7439-96-5	M1
Molybdenum, Total Recoverable	0.0024	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:09	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.031J	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:43	7429-90-5	
Iron, Dissolved	0.72	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:43	7439-89-6	
Manganese, Dissolved	0.16	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:43	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:37	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	1160	mg/L	80.0	42.0	4		09/09/25 16:54		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-1-090425		Lab ID: 60481916001		Collected: 09/04/25 15:15		Received: 09/05/25 15:55		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity, Carbonate (CaCO ₃)	<42.0	mg/L	80.0	42.0	4		09/09/25 16:54		
Alkalinity, Total as CaCO ₃	1160	mg/L	80.0	42.0	4		09/09/25 16:54		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1900	mg/L	40.0	40.0	1		09/11/25 16:04		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	46.2	mg/L	2.5	0.51	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.8	Std. Units	0.10	0.10	1		09/09/25 09:26		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	4.5	mg/L	0.50	0.16	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 05:39	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 05:39	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	35.5	mg/L	20.0	10.5	20		09/17/25 23:36	16887-00-6	
Fluoride	0.31	mg/L	0.20	0.12	1		09/17/25 23:23	16984-48-8	
Sulfate	55.4	mg/L	20.0	11.0	20		09/17/25 23:36	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	2.0	mg/L	0.50	0.35	1	09/16/25 13:50	09/17/25 18:53	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.5J	mg/L	2.0	1.1	2		09/12/25 20:04	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.3	mg/L	1.0	0.54	1		09/15/25 20:51		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-2-090425 Lab ID: 60481916002 Collected: 09/04/25 13:50 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.45	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 13:11	7440-42-8	
Calcium, Total Recoverable	44.1	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 13:11	7440-70-2	
Magnesium, Total Recoverable	44.4	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 13:11	7439-95-4	
Potassium, Total Recoverable	7.0	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 13:11	7440-09-7	
Sodium, Total Recoverable	169	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 13:11	7440-23-5	
Total Hardness by 2340B, Total Recoverable	293	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 13:11		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	48.1	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:51	7439-95-4	M1
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.060	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 18:52	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.045	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:27	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	8.6	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:20	7429-90-5	
Arsenic, Total Recoverable	0.0043	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:20	7440-38-2	
Barium, Total Recoverable	0.39	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:20	7440-39-3	
Chromium, Total Recoverable	0.013	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:20	7440-47-3	
Cobalt, Total Recoverable	0.0072	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:20	7440-48-4	
Iron, Total Recoverable	15.0	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:20	7439-89-6	
Manganese, Total Recoverable	0.97	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:20	7439-96-5	
Molybdenum, Total Recoverable	0.0015	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:20	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	<0.0082	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:48	7429-90-5	
Iron, Dissolved	0.023J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:48	7439-89-6	B
Manganese, Dissolved	0.054	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:48	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:42	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	460	mg/L	20.0	10.5	1		09/09/25 17:07		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-2-090425		Lab ID: 60481916002		Collected: 09/04/25 13:50		Received: 09/05/25 15:55		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity, Carbonate (CaCO ₃)	<10.5	mg/L	20.0	10.5	1		09/09/25 17:07		
Alkalinity, Total as CaCO ₃	460	mg/L	20.0	10.5	1		09/09/25 17:07		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	654	mg/L	10.0	10.0	1		09/11/25 16:04		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	4.2	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.7	Std. Units	0.10	0.10	1		09/09/25 09:26		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	0.38	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 03:21	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 03:21	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	26.1	mg/L	20.0	10.5	20		09/18/25 00:01	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		09/17/25 23:48	16984-48-8	
Sulfate	45.9	mg/L	20.0	11.0	20		09/18/25 00:01	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	0.28	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 18:55	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.4	mg/L	1.0	0.54	1		09/12/25 20:19	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	4.6	mg/L	1.0	0.54	1		09/15/25 21:05		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-3-090425 Lab ID: 60481916003 Collected: 09/04/25 15:15 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.74	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 13:13	7440-42-8	
Calcium, Total Recoverable	123	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 13:13	7440-70-2	
Magnesium, Total Recoverable	75.8	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 13:13	7439-95-4	
Potassium, Total Recoverable	13.6	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 13:13	7440-09-7	
Sodium, Total Recoverable	461	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 13:13	7440-23-5	
Total Hardness by 2340B, Total Recoverable	620	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 13:13		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	36.0	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:55	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.14	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 18:59	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.16	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 13:58	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	27.2	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:25	7429-90-5	
Arsenic, Total Recoverable	0.0034	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:25	7440-38-2	
Barium, Total Recoverable	0.56	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:25	7440-39-3	
Chromium, Total Recoverable	0.034	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:25	7440-47-3	
Cobalt, Total Recoverable	0.018	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:25	7440-48-4	
Iron, Total Recoverable	41.3	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:25	7439-89-6	
Manganese, Total Recoverable	0.85	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:25	7439-96-5	
Molybdenum, Total Recoverable	0.0047	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:25	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.17	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:54	7429-90-5	
Iron, Dissolved	0.18	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:54	7439-89-6	
Manganese, Dissolved	0.017	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:54	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:49	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	1060	mg/L	80.0	42.0	4		09/09/25 17:12		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-3-090425		Lab ID: 60481916003		Collected: 09/04/25 15:15		Received: 09/05/25 15:55		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity, Carbonate (CaCO ₃)	<42.0	mg/L	80.0	42.0	4		09/09/25 17:12		
Alkalinity, Total as CaCO ₃	1060	mg/L	80.0	42.0	4		09/09/25 17:12		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	1730	mg/L	40.0	40.0	1		09/11/25 16:05		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	9.8	mg/L	0.40	0.082	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		09/09/25 09:26		H3
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	1.6	mg/L	0.10	0.031	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	9.0	mg/L	0.10	0.066	1		09/06/25 06:07	14797-55-8	E
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 06:07	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	155	mg/L	20.0	10.5	20		09/18/25 00:26	16887-00-6	
Fluoride	0.21	mg/L	0.20	0.12	1		09/18/25 00:13	16984-48-8	
Sulfate	53.9	mg/L	20.0	11.0	20		09/18/25 00:26	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	1.6	mg/L	0.50	0.35	1	09/16/25 13:50	09/17/25 18:58	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	0.60J	mg/L	1.0	0.54	1		09/12/25 20:33	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	0.70J	mg/L	1.0	0.54	1		09/15/25 21:19		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-4-090525 Lab ID: 60481916004 Collected: 09/05/25 10:45 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.27	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 13:15	7440-42-8	
Calcium, Total Recoverable	79.3	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 13:15	7440-70-2	
Magnesium, Total Recoverable	37.1	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 13:15	7439-95-4	
Potassium, Total Recoverable	9.1	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 13:15	7440-09-7	
Sodium, Total Recoverable	92.9	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 13:15	7440-23-5	
Total Hardness by 2340B, Total Recoverable	351	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 13:15		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	12.7	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:57	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.13	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 19:01	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.029	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:00	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	50.8	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:31	7429-90-5	
Arsenic, Total Recoverable	0.017	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:31	7440-38-2	
Barium, Total Recoverable	0.48	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:31	7440-39-3	
Chromium, Total Recoverable	0.081	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:31	7440-47-3	
Cobalt, Total Recoverable	0.045	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:31	7440-48-4	
Iron, Total Recoverable	103	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:31	7439-89-6	
Manganese, Total Recoverable	1.6	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:31	7439-96-5	
Molybdenum, Total Recoverable	0.0036	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:31	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.36	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 13:58	7429-90-5	
Iron, Dissolved	1.4	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 13:58	7439-89-6	
Manganese, Dissolved	0.41	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 13:58	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:51	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	391	mg/L	80.0	42.0	4		09/09/25 17:33		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Sample: LAC-B-4-090525		Lab ID: 60481916004		Collected: 09/05/25 10:45		Received: 09/05/25 15:55		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity, Carbonate (CaCO ₃)	<42.0	mg/L	80.0	42.0	4		09/09/25 17:33		
Alkalinity, Total as CaCO ₃	391	mg/L	80.0	42.0	4		09/09/25 17:33		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	564	mg/L	10.0	10.0	1		09/11/25 16:05		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	30.6	mg/L	2.5	0.51	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.5	Std. Units	0.10	0.10	1		09/09/25 09:27		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	3.2	mg/L	0.50	0.16	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.21	mg/L	0.10	0.066	1		09/06/25 10:15	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 10:15	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	26.8	mg/L	20.0	10.5	20		09/18/25 00:51	16887-00-6	
Fluoride	0.41	mg/L	0.20	0.12	1		09/18/25 00:39	16984-48-8	
Sulfate	23.1	mg/L	20.0	11.0	20		09/18/25 00:51	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	1.6	mg/L	0.50	0.35	1	09/16/25 13:50	09/17/25 19:17	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.4J	mg/L	2.0	1.1	2		09/12/25 20:47	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	1.1	mg/L	1.0	0.54	1		09/15/25 21:33		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-5-090525 Lab ID: 60481916005 Collected: 09/05/25 09:50 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.0	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 12:45	7440-42-8	
Calcium, Total Recoverable	115	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 12:45	7440-70-2	
Magnesium, Total Recoverable	58.3	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 12:45	7439-95-4	
Potassium, Total Recoverable	9.2	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 12:45	7440-09-7	
Sodium, Total Recoverable	111	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 12:45	7440-23-5	
Total Hardness by 2340B, Total Recoverable	528	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 12:45		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	46.9	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 13:59	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.095	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 19:03	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.070	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:02	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	21.8	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:33	7429-90-5	
Arsenic, Total Recoverable	0.0047	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:33	7440-38-2	
Barium, Total Recoverable	0.24	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:33	7440-39-3	
Chromium, Total Recoverable	0.032	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:33	7440-47-3	
Cobalt, Total Recoverable	0.014	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:33	7440-48-4	
Iron, Total Recoverable	35.5	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:33	7439-89-6	
Manganese, Total Recoverable	0.69	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:33	7439-96-5	
Molybdenum, Total Recoverable	0.0012	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:33	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.012J	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 14:07	7429-90-5	
Iron, Dissolved	0.019J	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 14:07	7439-89-6	B
Manganese, Dissolved	0.049	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 14:07	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:53	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	551	mg/L	20.0	10.5	1		09/10/25 13:20		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-B-5-090525		Lab ID: 60481916005		Collected: 09/05/25 09:50		Received: 09/05/25 15:55		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Kansas City							
Alkalinity, Carbonate (CaCO ₃)	<10.5	mg/L	20.0	10.5	1		09/10/25 13:20		
Alkalinity, Total as CaCO ₃	551	mg/L	20.0	10.5	1		09/10/25 13:20		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Kansas City							
Total Dissolved Solids	679	mg/L	13.3	13.3	1		09/11/25 16:05		
Iron, Ferrous		Analytical Method: SM 3500-Fe B#4 Pace Analytical Services - Kansas City							
Iron, Ferrous	7.8	mg/L	0.40	0.082	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City							
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		09/09/25 09:27		H1
4500S2D Sulfide, Total		Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City							
Sulfide, Total	1.3	mg/L	0.10	0.031	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Nitrate as N	0.51	mg/L	0.10	0.066	1		09/16/25 22:38	14797-55-8	H1
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/16/25 22:38	14797-65-0	CL, H1
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City							
Chloride	8.5	mg/L	1.0	0.53	1		09/18/25 01:29	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		09/18/25 01:29	16984-48-8	
Sulfate	29.2	mg/L	20.0	11.0	20		09/18/25 01:41	14808-79-8	
365.4 Total Phosphorus		Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City							
Phosphorus	1.2	mg/L	0.50	0.35	1	09/16/25 13:50	09/17/25 19:19	7723-14-0	
5310C TOC		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Total Organic Carbon	1.3J	mg/L	2.0	1.1	2		09/12/25 21:01	7440-44-0	
5310C Dissolved Organic Carbon		Analytical Method: SM 5310C Pace Analytical Services - Kansas City							
Dissolved Organic Carbon	0.95J	mg/L	1.0	0.54	1		09/15/25 22:16		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-MW-10D-090525 Lab ID: 60481916006 Collected: 09/05/25 09:40 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	2.3	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 12:47	7440-42-8	
Calcium, Total Recoverable	27.8	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 12:47	7440-70-2	
Magnesium, Total Recoverable	17.9	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 12:47	7439-95-4	
Potassium, Total Recoverable	5.1	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 12:47	7440-09-7	
Sodium, Total Recoverable	171	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 12:47	7440-23-5	
Total Hardness by 2340B, Total Recoverable	143	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 12:47		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	17.5	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 14:08	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.051	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 19:05	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.054	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:04	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.53	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:35	7429-90-5	
Arsenic, Total Recoverable	0.0029	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:35	7440-38-2	
Barium, Total Recoverable	0.40	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:35	7440-39-3	
Chromium, Total Recoverable	0.0014	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:35	7440-47-3	
Cobalt, Total Recoverable	0.00030J	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:35	7440-48-4	
Iron, Total Recoverable	0.94	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:35	7439-89-6	
Manganese, Total Recoverable	0.13	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:35	7439-96-5	
Molybdenum, Total Recoverable	0.0067	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:35	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.020J	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 14:09	7429-90-5	
Iron, Dissolved	0.30	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 14:09	7439-89-6	
Manganese, Dissolved	0.11	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 14:09	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:55	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	437	mg/L	20.0	10.5	1		09/10/25 13:27		

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-MW-10D-090525 Lab ID: 60481916006 Collected: 09/05/25 09:40 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity, Carbonate (CaCO ₃)	<10.5	mg/L	20.0	10.5	1		09/10/25 13:27		
Alkalinity, Total as CaCO ₃	437	mg/L	20.0	10.5	1		09/10/25 13:27		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	580	mg/L	10.0	10.0	1		09/11/25 16:05		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	0.48	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B									
Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.9	Std. Units	0.10	0.10	1		09/09/25 09:26		H1
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	0.41	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 09:49	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 09:49	14797-65-0	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Chloride	51.0	mg/L	20.0	10.5	20		09/18/25 02:07	16887-00-6	
Fluoride	1.0	mg/L	0.20	0.12	1		09/18/25 01:54	16984-48-8	
Sulfate	0.89J	mg/L	1.0	0.55	1		09/18/25 01:54	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Pace Analytical Services - Kansas City									
Phosphorus	0.11	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 19:21	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Total Organic Carbon	0.82J	mg/L	1.0	0.54	1		09/12/25 21:15	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.0	mg/L	1.0	0.54	1		09/15/25 22:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-MW-707D-090425 Lab ID: 60481916007 Collected: 09/04/25 14:00 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	1.8	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 12:49	7440-42-8	
Calcium, Total Recoverable	24.5	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 12:49	7440-70-2	
Magnesium, Total Recoverable	14.1	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 12:49	7439-95-4	
Potassium, Total Recoverable	9.6	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 12:49	7440-09-7	
Sodium, Total Recoverable	776	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 12:49	7440-23-5	
Total Hardness by 2340B, Total Recoverable	119	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 12:49		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	14.5	mg/L	0.050	0.021	1	09/11/25 05:04	09/22/25 14:10	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.19	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 19:07	7439-93-2	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Dissolved	0.20	mg/L	0.010	0.0018	1	09/11/25 10:00	09/23/25 14:05	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	0.47	mg/L	0.050	0.0082	1	09/11/25 05:13	09/12/25 11:41	7429-90-5	
Arsenic, Total Recoverable	0.0040	mg/L	0.0010	0.00013	1	09/11/25 05:13	09/12/25 11:41	7440-38-2	
Barium, Total Recoverable	1.1	mg/L	0.0010	0.00021	1	09/11/25 05:13	09/12/25 11:41	7440-39-3	
Chromium, Total Recoverable	0.00097J	mg/L	0.0010	0.00034	1	09/11/25 05:13	09/12/25 11:41	7440-47-3	
Cobalt, Total Recoverable	0.00097J	mg/L	0.0010	0.00010	1	09/11/25 05:13	09/12/25 11:41	7440-48-4	
Iron, Total Recoverable	1.8	mg/L	0.050	0.0044	1	09/11/25 05:13	09/12/25 11:41	7439-89-6	
Manganese, Total Recoverable	0.23	mg/L	0.0010	0.00052	1	09/11/25 05:13	09/12/25 11:41	7439-96-5	
Molybdenum, Total Recoverable	0.0027	mg/L	0.0010	0.00016	1	09/11/25 05:13	09/12/25 11:41	7439-98-7	
200.8 MET ICPMS, Dissolved									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Dissolved	0.015J	mg/L	0.050	0.0082	1	09/11/25 05:04	09/12/25 14:12	7429-90-5	
Iron, Dissolved	1.7	mg/L	0.050	0.0044	1	09/11/25 05:04	09/12/25 14:12	7439-89-6	
Manganese, Dissolved	0.22	mg/L	0.0010	0.00052	1	09/11/25 05:04	09/12/25 14:12	7439-96-5	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/08/25 15:18	09/09/25 11:58	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	948	mg/L	20.0	10.5	1		09/09/25 17:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-MW-707D-090425 Lab ID: 60481916007 Collected: 09/04/25 14:00 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity, Carbonate (CaCO ₃)	<10.5	mg/L	20.0	10.5	1		09/09/25 17:22		
Alkalinity, Total as CaCO ₃	948	mg/L	20.0	10.5	1		09/09/25 17:22		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	2350	mg/L	100	100	1		09/11/25 16:05		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	1.3	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B									
Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.7	Std. Units	0.10	0.10	1		09/09/25 09:26		H3
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D									
Pace Analytical Services - Kansas City									
Sulfide, Total	0.028J	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 05:12	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 05:12	14797-65-0	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Pace Analytical Services - Kansas City									
Chloride	677	mg/L	100	52.7	100		09/18/25 12:28	16887-00-6	
Fluoride	0.57	mg/L	0.20	0.12	1		09/18/25 02:19	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.55	1		09/18/25 02:19	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Pace Analytical Services - Kansas City									
Phosphorus	0.13	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 19:23	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Total Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/12/25 21:29	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C									
Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	<0.54	mg/L	1.0	0.54	1		09/15/25 22:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-N&E-DUP-090425 Lab ID: 60481916008 Collected: 09/04/25 13:50 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Boron, Total Recoverable	0.46	mg/L	0.10	0.033	1	09/11/25 05:13	09/22/25 12:51	7440-42-8	
Calcium, Total Recoverable	46.8	mg/L	0.20	0.045	1	09/11/25 05:13	09/22/25 12:51	7440-70-2	
Magnesium, Total Recoverable	44.3	mg/L	0.050	0.021	1	09/11/25 05:13	09/22/25 12:51	7439-95-4	
Potassium, Total Recoverable	7.1	mg/L	0.50	0.045	1	09/11/25 05:13	09/22/25 12:51	7440-09-7	
Sodium, Total Recoverable	172	mg/L	0.50	0.032	1	09/11/25 05:13	09/22/25 12:51	7440-23-5	
Total Hardness by 2340B, Total Recoverable	300	mg/L	0.50	0.20	1	09/11/25 05:13	09/22/25 12:51		
200.7 Metals, Dissolved									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Kansas City									
Magnesium, Dissolved	44.7	mg/L	0.050	0.021	1	09/11/25 13:11	09/23/25 19:20	7439-95-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Lithium, Total Recoverable	0.063	mg/L	0.010	0.0018	1	09/11/25 13:11	09/23/25 19:09	7439-93-2	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Kansas City									
Aluminum, Total Recoverable	<0.0082	mg/L	0.050	0.0082	1	09/11/25 13:11	09/16/25 11:01	7429-90-5	
Arsenic, Total Recoverable	0.00031J	mg/L	0.0010	0.00013	1	09/11/25 13:11	09/16/25 11:01	7440-38-2	
Barium, Total Recoverable	0.19	mg/L	0.0010	0.00021	1	09/11/25 13:11	09/16/25 11:01	7440-39-3	
Chromium, Total Recoverable	<0.00034	mg/L	0.0010	0.00034	1	09/11/25 13:11	09/16/25 11:01	7440-47-3	
Cobalt, Total Recoverable	0.00012J	mg/L	0.0010	0.00010	1	09/11/25 13:11	09/16/25 11:01	7440-48-4	
Iron, Total Recoverable	0.015J	mg/L	0.050	0.0044	1	09/11/25 13:11	09/16/25 11:01	7439-89-6	
Manganese, Total Recoverable	0.044	mg/L	0.0010	0.00052	1	09/11/25 13:11	09/16/25 11:01	7439-96-5	
Molybdenum, Total Recoverable	0.00018J	mg/L	0.0010	0.00016	1	09/11/25 13:11	09/16/25 11:01	7439-98-7	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Kansas City									
Mercury	<0.17	ug/L	0.20	0.17	1	09/17/25 15:07	09/18/25 14:13	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Kansas City									
Alkalinity,Bicarbonate (CaCO3)	464	mg/L	20.0	10.5	1		09/09/25 17:29		
Alkalinity,Carbonate (CaCO3)	<10.5	mg/L	20.0	10.5	1		09/09/25 17:29		
Alkalinity, Total as CaCO3	464	mg/L	20.0	10.5	1		09/09/25 17:29		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Kansas City									
Total Dissolved Solids	641	mg/L	13.3	13.3	1		09/11/25 16:05		
Iron, Ferrous									
Analytical Method: SM 3500-Fe B#4									
Pace Analytical Services - Kansas City									
Iron, Ferrous	4.5	mg/L	0.20	0.041	1		09/10/25 10:51	15438-31-0	H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Sample: LAC-N&E-DUP-090425 Lab ID: 60481916008 Collected: 09/04/25 13:50 Received: 09/05/25 15:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B Pace Analytical Services - Kansas City									
pH at 25 Degrees C	7.7	Std. Units	0.10	0.10	1		09/09/25 09:26		H3
4500S2D Sulfide, Total									
Analytical Method: SM 4500-S-2 D Pace Analytical Services - Kansas City									
Sulfide, Total	0.39	mg/L	0.050	0.016	1		09/09/25 13:56	18496-25-8	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Nitrate as N	<0.066	mg/L	0.10	0.066	1		09/06/25 04:44	14797-55-8	
Nitrite as N	<0.070	mg/L	0.10	0.070	1		09/06/25 04:44	14797-65-0	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Pace Analytical Services - Kansas City									
Chloride	26.3	mg/L	20.0	10.5	20		09/18/25 02:57	16887-00-6	
Fluoride	<0.12	mg/L	0.20	0.12	1		09/18/25 02:44	16984-48-8	
Sulfate	45.0	mg/L	20.0	11.0	20		09/18/25 02:57	14808-79-8	
365.4 Total Phosphorus									
Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Kansas City									
Phosphorus	0.20	mg/L	0.10	0.071	1	09/16/25 13:50	09/17/25 19:26	7723-14-0	
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Total Organic Carbon	1.4	mg/L	1.0	0.54	1		09/17/25 19:02	7440-44-0	
5310C Dissolved Organic Carbon									
Analytical Method: SM 5310C Pace Analytical Services - Kansas City									
Dissolved Organic Carbon	1.6	mg/L	1.0	0.54	1		09/15/25 22:58		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947234	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

METHOD BLANK: 3754349 Matrix: Water

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.17	0.20	0.17	09/09/25 11:03	

LABORATORY CONTROL SAMPLE: 3754350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754351 3754352

Parameter	Units	60481909015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	4.7	4.6	94	92	70-130	2	20	

MATRIX SPIKE SAMPLE: 3754353

Parameter	Units	60481916001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.17	5	4.9	98	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch:	948452	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916008

METHOD BLANK: 3759202 Matrix: Water

Associated Lab Samples: 60481916008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.17	0.20	0.17	09/18/25 14:01	

LABORATORY CONTROL SAMPLE: 3759203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	87	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759204 3759205

Parameter	Units	60479793001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.6	91	92	70-130	1	20	CC

MATRIX SPIKE SAMPLE: 3759206

Parameter	Units	60482109002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.2	85	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947295	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3754499	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	<0.033	0.10	0.033	09/22/25 13:00	
Calcium	mg/L	<0.045	0.20	0.045	09/22/25 13:00	
Hardness, Total(SM 2340B)	mg/L	<0.20	0.50	0.20	09/22/25 13:00	
Magnesium	mg/L	<0.021	0.050	0.021	09/22/25 13:00	
Potassium	mg/L	<0.045	0.50	0.045	09/22/25 13:00	
Sodium	mg/L	0.16J	0.50	0.032	09/22/25 13:00	

LABORATORY CONTROL SAMPLE: 3754500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.99	99	85-115	
Calcium	mg/L	10	10.4	104	85-115	
Hardness, Total(SM 2340B)	mg/L	66.2	68.2	103	85-115	
Magnesium	mg/L	10	10.3	103	85-115	
Potassium	mg/L	10	10.2	102	85-115	
Sodium	mg/L	10	10.5	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754501 3754502

Parameter	Units	60481910009	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
Boron	mg/L	1.4	1	1	2.4	2.4	99	100	70-130	1	20	
Calcium	mg/L	24.4	10	10	34.5	34.8	101	104	70-130	1	20	
Hardness, Total(SM 2340B)	mg/L	306	66.2	66.2	372	375	100	104	70-130	1	20	
Magnesium	mg/L	59.5	10	10	69.4	70.0	99	104	70-130	1	20	
Potassium	mg/L	8.3	10	10	18.5	18.9	102	105	70-130	2	20	
Sodium	mg/L	317	10	10	325	327	81	100	70-130	1	20	

MATRIX SPIKE SAMPLE: 3754503

Parameter	Units	60481916008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Boron	mg/L		0.46	1	1.3	86	70-130
Calcium	mg/L		46.8	10	55.4	85	70-130
Hardness, Total(SM 2340B)	mg/L		300	66.2	359	90	70-130

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

MATRIX SPIKE SAMPLE:		3754503					
		60481916008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium	mg/L	44.3	10	53.5	92	70-130	
Potassium	mg/L	7.1	10	18.1	110	70-130	
Sodium	mg/L	172	10	180	80	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 947288

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

METHOD BLANK: 3754469

Matrix: Water

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	0.067	0.050	0.021	09/22/25 13:22	P8

LABORATORY CONTROL SAMPLE: 3754470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	9.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754471 3754472

Parameter	Units	60481910002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	13.7	10	10	23.9	23.4	102	97	70-130	2	20	

MATRIX SPIKE SAMPLE: 3754473

Parameter	Units	60481916002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	48.1	10	61.6	135	70-130	M1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch:	947673	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916008

METHOD BLANK: 3756291 Matrix: Water

Associated Lab Samples: 60481916008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Magnesium, Dissolved	mg/L	<0.021	0.050	0.021	09/23/25 19:16	

LABORATORY CONTROL SAMPLE: 3756292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	mg/L	10	9.5	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3756293 3756294

Parameter	Units	60481916008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium, Dissolved	mg/L	44.7	20	20	68.2	63.8	117	95	70-130	7	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 947296

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

METHOD BLANK: 3754504

Matrix: Water

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	09/12/25 11:04	
Arsenic	mg/L	<0.00013	0.0010	0.00013	09/12/25 11:04	
Barium	mg/L	<0.00021	0.0010	0.00021	09/12/25 11:04	
Chromium	mg/L	<0.00034	0.0010	0.00034	09/12/25 11:04	
Cobalt	mg/L	<0.00010	0.0010	0.00010	09/12/25 11:04	
Iron	mg/L	0.019J	0.050	0.0044	09/12/25 11:04	
Manganese	mg/L	<0.00052	0.0010	0.00052	09/12/25 11:04	
Molybdenum	mg/L	<0.00016	0.0010	0.00016	09/12/25 11:04	

LABORATORY CONTROL SAMPLE: 3754505

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.1	106	85-115	
Arsenic	mg/L	0.04	0.040	100	85-115	
Barium	mg/L	0.04	0.041	103	85-115	
Chromium	mg/L	0.04	0.041	102	85-115	
Cobalt	mg/L	0.04	0.041	102	85-115	
Iron	mg/L	1	1.1	105	85-115	
Manganese	mg/L	0.04	0.042	105	85-115	
Molybdenum	mg/L	0.04	0.041	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754506 3754507

Parameter	Units	60481916001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	54.0	1	1	54.5	56.8	52	279	70-130	4	20	M1
Arsenic	mg/L	0.0088	0.04	0.04	0.044	0.045	88	90	70-130	2	20	
Barium	mg/L	0.44	0.04	0.04	0.46	0.48	57	97	70-130	3	20	M1
Chromium	mg/L	0.072	0.04	0.04	0.11	0.11	85	89	70-130	1	20	
Cobalt	mg/L	0.038	0.04	0.04	0.076	0.078	93	98	70-130	3	20	
Iron	mg/L	77.7	1	1	76.0	79.1	-169	141	70-130	4	20	M1
Manganese	mg/L	1.4	0.04	0.04	1.4	1.5	-58	114	70-130	5	20	M1
Molybdenum	mg/L	0.0024	0.04	0.04	0.036	0.036	83	85	70-130	2	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 947675

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916008

METHOD BLANK: 3756302

Matrix: Water

Associated Lab Samples: 60481916008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0082	0.050	0.0082	09/16/25 10:57	
Arsenic	mg/L	<0.00013	0.0010	0.00013	09/16/25 10:57	
Barium	mg/L	<0.00021	0.0010	0.00021	09/16/25 10:57	
Chromium	mg/L	<0.00034	0.0010	0.00034	09/16/25 10:57	
Cobalt	mg/L	<0.00010	0.0010	0.00010	09/16/25 10:57	
Iron	mg/L	<0.0044	0.050	0.0044	09/16/25 10:57	
Manganese	mg/L	<0.00052	0.0010	0.00052	09/16/25 10:57	
Molybdenum	mg/L	<0.00016	0.0010	0.00016	09/16/25 10:57	

LABORATORY CONTROL SAMPLE: 3756303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	0.99	99	85-115	
Arsenic	mg/L	0.04	0.040	100	85-115	
Barium	mg/L	0.04	0.040	100	85-115	
Chromium	mg/L	0.04	0.040	101	85-115	
Cobalt	mg/L	0.04	0.040	101	85-115	
Iron	mg/L	1	1.0	101	85-115	
Manganese	mg/L	0.04	0.041	101	85-115	
Molybdenum	mg/L	0.04	0.040	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3756304

3756305

Parameter	Units	60481916008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/L	<0.0082	2	2	2.1	2.1	107	107	70-130	1	20	
Arsenic	mg/L	0.00031J	0.08	0.08	0.079	0.080	99	99	70-130	1	20	
Barium	mg/L	0.19	0.08	0.08	0.28	0.26	105	88	70-130	5	20	
Chromium	mg/L	<0.00034	0.08	0.08	0.065	0.067	80	83	70-130	3	20	
Cobalt	mg/L	0.00012J	0.08	0.08	0.082	0.082	102	102	70-130	1	20	
Iron	mg/L	0.015J	2	2	1.9	1.9	96	96	70-130	0	20	
Manganese	mg/L	0.044	0.08	0.08	0.12	0.11	89	89	70-130	0	20	
Molybdenum	mg/L	0.00018J	0.08	0.08	0.084	0.084	104	105	70-130	0	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947290	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007			

METHOD BLANK:	3754474	Matrix:	Water
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007			

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	mg/L	<0.0082	0.050	0.0082	09/12/25 13:03	
Iron, Dissolved	mg/L	0.015J	0.050	0.0044	09/12/25 13:03	
Manganese, Dissolved	mg/L	<0.00052	0.0010	0.00052	09/12/25 13:03	

LABORATORY CONTROL SAMPLE: 3754475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	1	1.1	106	85-115	
Iron, Dissolved	mg/L	1	1.0	103	85-115	
Manganese, Dissolved	mg/L	0.04	0.041	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3754476 3754477

Parameter	Units	60481910003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	mg/L	<0.0082	1	1	1.1	1.1	112	111	70-130	1	20	
Iron, Dissolved	mg/L	0.0078J	1	1	1.0	1.0	103	103	70-130	0	20	
Manganese, Dissolved	mg/L	0.0097	0.04	0.04	0.052	0.052	106	107	70-130	0	20	

MATRIX SPIKE SAMPLE: 3754478

Parameter	Units	60481916003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	mg/L	0.17	1	1.4	118	70-130	
Iron, Dissolved	mg/L	0.18	1	1.2	105	70-130	
Manganese, Dissolved	mg/L	0.017	0.04	0.058	103	70-130	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947672	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3756280	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	<0.0018	0.010	0.0018	09/23/25 18:37	

LABORATORY CONTROL SAMPLE:	3756281					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3756282			3756283								
Parameter	Units	60481909021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.13	1	1	1.1	1.1	95	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch:	947610	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

METHOD BLANK: 3755997 Matrix: Water
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium, Dissolved	mg/L	<0.0018	0.010	0.0018	09/23/25 14:13	

LABORATORY CONTROL SAMPLE: 3755998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium, Dissolved	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3755999 3756000

Parameter	Units	60481910007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium, Dissolved	mg/L	1.4	1	1	2.4	2.5	103	109	75-125	3	20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947370	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3754844	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<10.5	20.0	10.5	09/09/25 15:11	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	09/09/25 15:11	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<10.5	20.0	10.5	09/09/25 15:11	

LABORATORY CONTROL SAMPLE:	3754845					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	500	463	93	90-110	

SAMPLE DUPLICATE:	3754846					
Parameter	Units	60481881002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	<10.5		10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	<10.5		10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	<10.5		10	

SAMPLE DUPLICATE:	3754847					
Parameter	Units	60481916001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	1160	1150	1	10	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	1160	1150	1	10	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<42.0	<42.0		10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947589	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3755972	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<5.0	5.0	5.0	09/11/25 16:03	

LABORATORY CONTROL SAMPLE:	3755973					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	1020	102	80-120	

SAMPLE DUPLICATE:	3755974					
Parameter	Units	60481909001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1210	1190	2	10	

SAMPLE DUPLICATE:	3755975					
Parameter	Units	60481916002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	654	641	2	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947342	Analysis Method:	SM 3500-Fe B#4
QC Batch Method:	SM 3500-Fe B#4	Analysis Description:	Iron, Ferrous
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3754642	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.041	0.20	0.041	09/10/25 10:51	H6

LABORATORY CONTROL SAMPLE: 3754643						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2	2.0	100	90-110	H6

SAMPLE DUPLICATE: 3754644						
Parameter	Units	60481910002 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	1.2	1.2	1	20	H6

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 947182

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916005, 60481916006, 60481916007, 60481916008

SAMPLE DUPLICATE: 3754129

Parameter	Units	60481824002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.1	0	5	H1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 947183

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916004

SAMPLE DUPLICATE: 3754130

Parameter	Units	60481916004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	5	H1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	947376	Analysis Method:	SM 4500-S-2 D
QC Batch Method:	SM 4500-S-2 D	Analysis Description:	4500S2D Sulfide, Total
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3754908	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	<0.016	0.050	0.016	09/09/25 13:56	

LABORATORY CONTROL SAMPLE:	3754909					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.5	0.47	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3754911					3754912							
		60481994001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Sulfide, Total	mg/L	0.031J	0.5	0.5	0.24	0.24	42	41	75-125	2	20	M1

SAMPLE DUPLICATE: 3754910						
Parameter	Units	60481994001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.031J	0.032J		20	

SAMPLE DUPLICATE: 3754913						
Parameter	Units	60481910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.016	<0.016		20	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch: 947119 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916007, 60481916008

METHOD BLANK: 3753891 Matrix: Water
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916007, 60481916008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.066	0.10	0.066	09/05/25 20:58	
Nitrite as N	mg/L	<0.070	0.10	0.070	09/05/25 20:58	

LABORATORY CONTROL SAMPLE: 3753892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	100	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3753893 3753894

Parameter	Units	60481910003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.090J	2	2	2.2	2.2	104	107	80-120	3	15	
Nitrite as N	mg/L	<0.070	2	2	2.0	2.0	98	101	80-120	4	15	

MATRIX SPIKE SAMPLE: 3753895

Parameter	Units	60481916002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	<0.066	2	2.1	105	80-120	
Nitrite as N	mg/L	<0.070	2	2.0	100	80-120	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch: 947127 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916004, 60481916006

METHOD BLANK: 3753923 Matrix: Water

Associated Lab Samples: 60481916004, 60481916006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.066	0.10	0.066	09/06/25 09:23	
Nitrite as N	mg/L	<0.070	0.10	0.070	09/06/25 09:23	

LABORATORY CONTROL SAMPLE: 3753924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	2.0	100	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3753925 3753926

Parameter	Units	60481916004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.21	2	2	2.1	2.1	94	96	80-120	2	15	
Nitrite as N	mg/L	<0.070	2	2	1.8	1.9	92	94	80-120	2	15	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch: 948331 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916005

METHOD BLANK: 3758687 Matrix: Water

Associated Lab Samples: 60481916005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.066	0.10	0.066	09/16/25 20:01	
Nitrite as N	mg/L	<0.070	0.10	0.070	09/16/25 20:01	

LABORATORY CONTROL SAMPLE: 3758688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2	1.9	96	90-110	
Nitrite as N	mg/L	2	2.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3758689 3758690

Parameter	Units	60481584001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.41	2	2	2.4	2.5	100	103	80-120	2	15	H3
Nitrite as N	mg/L	ND	2	2	2.1	2.2	101	104	80-120	4	15	CL,H3

MATRIX SPIKE SAMPLE: 3758691

Parameter	Units	60482480001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	0.27	2	2.2	98	80-120	
Nitrite as N	mg/L	<0.10	2	1.4	69	80-120	CL,M1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	948475	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3759342	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	<0.53	1.0	0.53	09/17/25 12:19	
Fluoride	mg/L	<0.12	0.20	0.12	09/17/25 12:19	
Sulfate	mg/L	<0.55	1.0	0.55	09/17/25 12:19	

LABORATORY CONTROL SAMPLE: 3759343						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.5	90	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759344 3759345												
Parameter	Units	60481909001	MS	MSD								
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	151	100	100	269	262	117	111	80-120	2	15	
Fluoride	mg/L	0.40	2.5	2.5	2.8	2.8	98	98	80-120	0	15	
Sulfate	mg/L	94.7	100	100	202	195	107	100	80-120	3	15	

MATRIX SPIKE SAMPLE: 3759346							
Parameter	Units	60481909010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	47.5	100	134	87	80-120	
Fluoride	mg/L	0.72	2.5	3.2	101	80-120	
Sulfate	mg/L	61.4	100	153	92	80-120	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 948610

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916007

METHOD BLANK: 3759770

Matrix: Water

Associated Lab Samples: 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	<0.53	1.0	0.53	09/18/25 09:12	

LABORATORY CONTROL SAMPLE: 3759771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.6	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759772 3759773

Parameter	Units	60481686001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1540	5	5	1520	1520	-452	-437	80-120	0	15	E,M1

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	948123	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3758064	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	<0.071	0.10	0.071	09/17/25 17:58	

LABORATORY CONTROL SAMPLE:	3758065					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	5	5.6	112	80-120	

MATRIX SPIKE SAMPLE:	3758066						
		60481881001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.18	10	10.9	107	80-120	E

MATRIX SPIKE SAMPLE:		3758068					
		60481910008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Phosphorus	mg/L	0.11	10	9.8	97	80-120	

SAMPLE DUPLICATE:	3758067					
Parameter	Units	60481881004 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.1	4.1	0	10	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells
Pace Project No.: 60481916

QC Batch:	947854	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

METHOD BLANK: 3757071 Matrix: Water
Associated Lab Samples: 60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	09/12/25 15:07	

LABORATORY CONTROL SAMPLE: 3757072

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE: 3757073

Parameter	Units	60481920001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.1	5	6.8	95	80-120	

SAMPLE DUPLICATE: 3757074

Parameter	Units	60481920001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	2.1	2.2	4	25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch: 948212

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Total Organic Carbon

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60481916008

METHOD BLANK: 3758264

Matrix: Water

Associated Lab Samples: 60481916008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.54	1.0	0.54	09/17/25 18:05	

LABORATORY CONTROL SAMPLE: 3758265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	103	80-120	

MATRIX SPIKE SAMPLE: 3758266

Parameter	Units	60481977001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	5	3.6	58	80-120	M1

SAMPLE DUPLICATE: 3758267

Parameter	Units	60481977001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	ND	0.71J		25	

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QUALITY CONTROL DATA

Project: La Cygne N&E Wells

Pace Project No.: 60481916

QC Batch:	948068	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Dissolved Organic Carbon
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

METHOD BLANK:	3757911	Matrix:	Water
Associated Lab Samples:	60481916001, 60481916002, 60481916003, 60481916004, 60481916005, 60481916006, 60481916007, 60481916008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	<0.54	1.0	0.54	09/15/25 17:19	

LABORATORY CONTROL SAMPLE:	3757912					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5	5.2	103	80-120	

MATRIX SPIKE SAMPLE:		3757913					
		60481910001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	5	5.0	80	80-120	

SAMPLE DUPLICATE:	3757914					
Parameter	Units	60481910001 Result	Dup Result	RPD	Max RPD	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	0.71J		25	

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QUALIFIERS

Project: La Cygne N&E Wells

Pace Project No.: 60481916

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P8	Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481916001	LAC-B-1-090425	EPA 200.7	947295	EPA 200.7	947616
60481916002	LAC-B-2-090425	EPA 200.7	947295	EPA 200.7	947616
60481916003	LAC-B-3-090425	EPA 200.7	947295	EPA 200.7	947616
60481916004	LAC-B-4-090525	EPA 200.7	947295	EPA 200.7	947616
60481916005	LAC-B-5-090525	EPA 200.7	947295	EPA 200.7	947616
60481916006	LAC-MW-10D-090525	EPA 200.7	947295	EPA 200.7	947616
60481916007	LAC-MW-707D-090425	EPA 200.7	947295	EPA 200.7	947616
60481916008	LAC-N&E-DUP-090425	EPA 200.7	947295	EPA 200.7	947616
60481916001	LAC-B-1-090425	EPA 200.7	947288	EPA 200.7	947650
60481916002	LAC-B-2-090425	EPA 200.7	947288	EPA 200.7	947650
60481916003	LAC-B-3-090425	EPA 200.7	947288	EPA 200.7	947650
60481916004	LAC-B-4-090525	EPA 200.7	947288	EPA 200.7	947650
60481916005	LAC-B-5-090525	EPA 200.7	947288	EPA 200.7	947650
60481916006	LAC-MW-10D-090525	EPA 200.7	947288	EPA 200.7	947650
60481916007	LAC-MW-707D-090425	EPA 200.7	947288	EPA 200.7	947650
60481916008	LAC-N&E-DUP-090425	EPA 200.7	947673	EPA 200.7	947702
60481916001	LAC-B-1-090425	EPA 3010	947672	EPA 6010	947701
60481916002	LAC-B-2-090425	EPA 3010	947672	EPA 6010	947701
60481916003	LAC-B-3-090425	EPA 3010	947672	EPA 6010	947701
60481916004	LAC-B-4-090525	EPA 3010	947672	EPA 6010	947701
60481916005	LAC-B-5-090525	EPA 3010	947672	EPA 6010	947701
60481916006	LAC-MW-10D-090525	EPA 3010	947672	EPA 6010	947701
60481916007	LAC-MW-707D-090425	EPA 3010	947672	EPA 6010	947701
60481916008	LAC-N&E-DUP-090425	EPA 3010	947672	EPA 6010	947701
60481916001	LAC-B-1-090425	EPA 3010	947610	EPA 6010	947655
60481916002	LAC-B-2-090425	EPA 3010	947610	EPA 6010	947655
60481916003	LAC-B-3-090425	EPA 3010	947610	EPA 6010	947655
60481916004	LAC-B-4-090525	EPA 3010	947610	EPA 6010	947655
60481916005	LAC-B-5-090525	EPA 3010	947610	EPA 6010	947655
60481916006	LAC-MW-10D-090525	EPA 3010	947610	EPA 6010	947655
60481916007	LAC-MW-707D-090425	EPA 3010	947610	EPA 6010	947655
60481916001	LAC-B-1-090425	EPA 200.8	947296	EPA 200.8	947619
60481916002	LAC-B-2-090425	EPA 200.8	947296	EPA 200.8	947619
60481916003	LAC-B-3-090425	EPA 200.8	947296	EPA 200.8	947619
60481916004	LAC-B-4-090525	EPA 200.8	947296	EPA 200.8	947619
60481916005	LAC-B-5-090525	EPA 200.8	947296	EPA 200.8	947619
60481916006	LAC-MW-10D-090525	EPA 200.8	947296	EPA 200.8	947619
60481916007	LAC-MW-707D-090425	EPA 200.8	947296	EPA 200.8	947619
60481916008	LAC-N&E-DUP-090425	EPA 200.8	947675	EPA 200.8	947703
60481916001	LAC-B-1-090425	EPA 200.8	947290	EPA 200.8	947651
60481916002	LAC-B-2-090425	EPA 200.8	947290	EPA 200.8	947651
60481916003	LAC-B-3-090425	EPA 200.8	947290	EPA 200.8	947651
60481916004	LAC-B-4-090525	EPA 200.8	947290	EPA 200.8	947651
60481916005	LAC-B-5-090525	EPA 200.8	947290	EPA 200.8	947651
60481916006	LAC-MW-10D-090525	EPA 200.8	947290	EPA 200.8	947651

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481916007	LAC-MW-707D-090425	EPA 200.8	947290	EPA 200.8	947651
60481916001	LAC-B-1-090425	EPA 245.1	947234	EPA 245.1	947267
60481916002	LAC-B-2-090425	EPA 245.1	947234	EPA 245.1	947267
60481916003	LAC-B-3-090425	EPA 245.1	947234	EPA 245.1	947267
60481916004	LAC-B-4-090525	EPA 245.1	947234	EPA 245.1	947267
60481916005	LAC-B-5-090525	EPA 245.1	947234	EPA 245.1	947267
60481916006	LAC-MW-10D-090525	EPA 245.1	947234	EPA 245.1	947267
60481916007	LAC-MW-707D-090425	EPA 245.1	947234	EPA 245.1	947267
60481916008	LAC-N&E-DUP-090425	EPA 245.1	948452	EPA 245.1	948490
60481916001	LAC-B-1-090425	SM 2320B	947370		
60481916002	LAC-B-2-090425	SM 2320B	947370		
60481916003	LAC-B-3-090425	SM 2320B	947370		
60481916004	LAC-B-4-090525	SM 2320B	947370		
60481916005	LAC-B-5-090525	SM 2320B	947370		
60481916006	LAC-MW-10D-090525	SM 2320B	947370		
60481916007	LAC-MW-707D-090425	SM 2320B	947370		
60481916008	LAC-N&E-DUP-090425	SM 2320B	947370		
60481916001	LAC-B-1-090425	SM 2540C	947589		
60481916002	LAC-B-2-090425	SM 2540C	947589		
60481916003	LAC-B-3-090425	SM 2540C	947589		
60481916004	LAC-B-4-090525	SM 2540C	947589		
60481916005	LAC-B-5-090525	SM 2540C	947589		
60481916006	LAC-MW-10D-090525	SM 2540C	947589		
60481916007	LAC-MW-707D-090425	SM 2540C	947589		
60481916008	LAC-N&E-DUP-090425	SM 2540C	947589		
60481916001	LAC-B-1-090425	SM 3500-Fe B#4	947342		
60481916002	LAC-B-2-090425	SM 3500-Fe B#4	947342		
60481916003	LAC-B-3-090425	SM 3500-Fe B#4	947342		
60481916004	LAC-B-4-090525	SM 3500-Fe B#4	947342		
60481916005	LAC-B-5-090525	SM 3500-Fe B#4	947342		
60481916006	LAC-MW-10D-090525	SM 3500-Fe B#4	947342		
60481916007	LAC-MW-707D-090425	SM 3500-Fe B#4	947342		
60481916008	LAC-N&E-DUP-090425	SM 3500-Fe B#4	947342		
60481916001	LAC-B-1-090425	SM 4500-H+B	947182		
60481916002	LAC-B-2-090425	SM 4500-H+B	947182		
60481916003	LAC-B-3-090425	SM 4500-H+B	947182		
60481916004	LAC-B-4-090525	SM 4500-H+B	947183		
60481916005	LAC-B-5-090525	SM 4500-H+B	947182		
60481916006	LAC-MW-10D-090525	SM 4500-H+B	947182		
60481916007	LAC-MW-707D-090425	SM 4500-H+B	947182		
60481916008	LAC-N&E-DUP-090425	SM 4500-H+B	947182		
60481916001	LAC-B-1-090425	SM 4500-S-2 D	947376		
60481916002	LAC-B-2-090425	SM 4500-S-2 D	947376		
60481916003	LAC-B-3-090425	SM 4500-S-2 D	947376		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells

Pace Project No.: 60481916

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481916004	LAC-B-4-090525	SM 4500-S-2 D	947376		
60481916005	LAC-B-5-090525	SM 4500-S-2 D	947376		
60481916006	LAC-MW-10D-090525	SM 4500-S-2 D	947376		
60481916007	LAC-MW-707D-090425	SM 4500-S-2 D	947376		
60481916008	LAC-N&E-DUP-090425	SM 4500-S-2 D	947376		
60481916001	LAC-B-1-090425	EPA 300.0	947119		
60481916002	LAC-B-2-090425	EPA 300.0	947119		
60481916003	LAC-B-3-090425	EPA 300.0	947119		
60481916004	LAC-B-4-090525	EPA 300.0	947127		
60481916005	LAC-B-5-090525	EPA 300.0	948331		
60481916006	LAC-MW-10D-090525	EPA 300.0	947127		
60481916007	LAC-MW-707D-090425	EPA 300.0	947119		
60481916008	LAC-N&E-DUP-090425	EPA 300.0	947119		
60481916001	LAC-B-1-090425	EPA 300.0	948475		
60481916002	LAC-B-2-090425	EPA 300.0	948475		
60481916003	LAC-B-3-090425	EPA 300.0	948475		
60481916004	LAC-B-4-090525	EPA 300.0	948475		
60481916005	LAC-B-5-090525	EPA 300.0	948475		
60481916006	LAC-MW-10D-090525	EPA 300.0	948475		
60481916007	LAC-MW-707D-090425	EPA 300.0	948475		
60481916007	LAC-MW-707D-090425	EPA 300.0	948610		
60481916008	LAC-N&E-DUP-090425	EPA 300.0	948475		
60481916001	LAC-B-1-090425	EPA 365.4	948123	EPA 365.4	948605
60481916002	LAC-B-2-090425	EPA 365.4	948123	EPA 365.4	948605
60481916003	LAC-B-3-090425	EPA 365.4	948123	EPA 365.4	948605
60481916004	LAC-B-4-090525	EPA 365.4	948123	EPA 365.4	948605
60481916005	LAC-B-5-090525	EPA 365.4	948123	EPA 365.4	948605
60481916006	LAC-MW-10D-090525	EPA 365.4	948123	EPA 365.4	948605
60481916007	LAC-MW-707D-090425	EPA 365.4	948123	EPA 365.4	948605
60481916008	LAC-N&E-DUP-090425	EPA 365.4	948123	EPA 365.4	948605
60481916001	LAC-B-1-090425	SM 5310C	947854		
60481916002	LAC-B-2-090425	SM 5310C	947854		
60481916003	LAC-B-3-090425	SM 5310C	947854		
60481916004	LAC-B-4-090525	SM 5310C	947854		
60481916005	LAC-B-5-090525	SM 5310C	947854		
60481916006	LAC-MW-10D-090525	SM 5310C	947854		
60481916007	LAC-MW-707D-090425	SM 5310C	947854		
60481916008	LAC-N&E-DUP-090425	SM 5310C	948212		
60481916001	LAC-B-1-090425	SM 5310C	948068		
60481916002	LAC-B-2-090425	SM 5310C	948068		
60481916003	LAC-B-3-090425	SM 5310C	948068		
60481916004	LAC-B-4-090525	SM 5310C	948068		
60481916005	LAC-B-5-090525	SM 5310C	948068		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: La Cygne N&E Wells
Pace Project No.: 60481916

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60481916006	LAC-MW-10D-090525	SM 5310C	948068		
60481916007	LAC-MW-707D-090425	SM 5310C	948068		
60481916008	LAC-N&E-DUP-090425	SM 5310C	948068		

REPORT OF LABORATORY ANALYSIS



DC#_Title: ENV-FRM-LENE-0009_Sam

Revision: 2

Effective Date: 01/12/2

W0#: 60481916



60481916

Client Name: Every-Haley & AldrichCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☒ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ 2PLCThermometer Used: T301 Type of Ice: Ver Blue ☐ None ☐Cooler Temperature (°C): As-read 2.2 Corr. Factor 0.0 Corrected 2.2Date and initials of person 9/5/25
examining contents: SATemperature should be above freezing to 6°C 5-5.1-25-5.1-2

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	<u>Not</u>
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☒ Yes ☐ No ☐ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>W</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☐ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

ATTACHMENT 3
Corrective Measures Assessment Extension

ATTACHMENT 3-1
Demonstration and Certification of Need for 60-Day
Extension – Corrective Measures Assessment (CMA)



HALEY & ALDRICH, INC.
6500 Rockside Road
Suite 200
Cleveland, OH 44131
216.706.1303

April 1, 2025
File No. 0210977

Evergy Services, Inc.
818 South Kansas Avenue
Topeka, Kansas 66612

Attention: Jared Morrison – Director, Water and Waste Programs

Subject: Demonstration and Certification of Need for 60-Day Extension
Corrective Measures Assessment (CMA)
La Cygne Generating Station
CCR Landfill, Lower AQC Impoundment, and Upper AQC Impoundment

Dear Mr. Morrison:

On behalf of Evergy Services, Inc. (Evergy), in accordance with Title 40 Code of Federal Regulations (40 CFR) § 257.96(a) of the U.S. Environmental Protection Agency Federal Coal Combustion Residuals (CCR) Rule (40 CFR §§ 257 and 261) effective October 19, 2015, including subsequent revisions, I certify that Evergy has demonstrated the need for an additional 60 days beyond the regulatory time period of 90 days to complete the assessment of corrective measures for the multi-unit groundwater monitoring program for the referenced CCR units at the La Cygne Generation Station due to site-specific conditions and the evaluation of remedial treatment alternatives in support of an informed CMA process.

In the case of the assessment for this multi-unit groundwater monitoring system, the site has complex hydrogeology in the form of fractured bedrock consisting of discontinuous beds of shale, limestone, and sandstone, including an uppermost aquifer that is confined to partially confined. Therefore, additional time is needed to conduct nature and extent (N&E) investigations which are ongoing in support of the CMA process.

N&E information is an important component of the CMA and will allow Evergy to refine the understanding of groundwater flow and solute transport. Remaining tasks in the N&E investigation include groundwater monitoring of newly installed N&E wells and evaluating groundwater and other analytical data, which will require an estimated additional 45 to 60 days given monitoring well recharge rates and laboratory turnaround times. Evergy is also in the process of completing groundwater modeling, evaluating human health and ecological risk, reviewing possible groundwater remedies as well as implementation of critical steps in the groundwater treatment and remedy assessment process, which will require an additional 45 to 60 days. Based on the above site-specific conditions and related groundwater treatment alternative evaluations in support of the CMA by Evergy, the CCR Rule allows for a 60-day extension to complete the CMA process.

Evergy Services, Inc.

April 1, 2025

Page 2

This certification as submitted is, to the best of my knowledge, accurate and complete.

Signed:



Certifying Engineer

Professional Engineer's Seal

Print Name: Steven F. Putrich, P.E.
Kansas License No.: PE24363
Title: Project Principal
Company: Haley & Aldrich, Inc.

