

ROY S. NELSON PLANT

2025 Annual Groundwater Monitoring and Corrective Action Report

**PREPARED IN COMPLIANCE WITH THE
EPA FINAL RULE FOR THE DISPOSAL OF
COAL COMBUSTION RESIDUALS
TITLE 40 CODE OF FEDERAL REGULATIONS PART 257**



January 2026

**CCR UNIT
WESTLAKE, LA**

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

**Prepared for
Entergy Services, LLC
639 Loyola Ave.
Mail unit L-ENT 3D
New Orleans, LA 70113**

**Prepared By:

Pivotal Environmental LLC, and
Eagle Environmental**

January 2026

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Appendices

- A Site Map and Groundwater Flow Direction Maps
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1.0 EXECUTIVE SUMMARY

The Coal Ash Landfill (CCR Unit) was in operation throughout 2025. For the duration of the current annual reporting period (January 2025 through December 2025), the groundwater quality was monitored under a detection monitoring program. In line with historical trends at the site, statistically significant increases of calcium were detected in well CCR-7. Entergy Louisiana LLC (Entergy) had previously performed alternate source demonstrations (ASD) demonstrating that the SSI is the result of natural variation in the groundwater quality. In the December sampling, elevated pH was detected in three monitoring wells. This one-time anomaly was retested in January 2026 and shown to be in compliance. In 2025, no corrective measures were required.

2.0 INTRODUCTION

Entergy Louisiana LLC (Entergy), operates a Coal Ash Landfill (CCR Unit) for the disposal of coal combustion residuals (CCR) at the Roy S. Nelson Plant located in Westlake, Louisiana, see Figure 1 in Appendix A. The CCR Unit receives CCR generated from the combustion of coal at the Nelson Plant. Management of the CCR at the CCR Unit is performed pursuant to national criteria established in Title 40 of the Code of Federal Regulations (40 CFR) Part 257 (CCR Rule), published by the United States Environmental Protection Agency (EPA) on April 17, 2015. Entergy has installed a groundwater monitoring system at the CCR Unit that is subject to the groundwater monitoring and corrective action requirements provided under §§257.90 through 257.98 of the CCR Rule. In accordance with §257.90(e) of the CCR Rule, Entergy must prepare an annual report that provides information regarding the groundwater monitoring and corrective action program at the CCR Unit. The first groundwater monitoring report was completed in January 2018. This document is intended to provide the required information for the year 2025. In accordance with 257.90 (e) (6), the following overview is provided.

This report is the ninth annual groundwater monitoring report required under the CCR Rule and is the summary and analysis of results from the monitoring period starting January 1, 2025 and ending December 31, 2025. The CCR Unit was in detection monitoring at the beginning and end of the monitoring period.

A statistically significant increase (SSI) was detected for calcium in June 2025 and in December 2025 in well CCR-07. Calcium SSIs have historically occurred at wells CCR-05 and CCR-07. With respect to CCR-07 and in prior years at CCR-5, in Section 6.0 the prior ASDs demonstrated that the SSIs for calcium in wells CCR-5 and CCR-7 are the result of natural variation in groundwater quality and the basis for the prior ASDs remain applicable.

During the December 2025 sampling, a slightly elevated pH was detected in wells CCR-4, CCR-5 and CCR-6. The levels ranged from 7.9 to 8.21. As shown in Appendix B, pH at several background wells has been at higher levels. The pH at wells CCR-4, CCR-5 and CCR-6 was remonitored in January 2026 to determine if any trends are occurring.

However, based on the resampling no SSIs were identified. Accordingly, an assessment monitoring program or corrective action remedy was not required to be initiated.

3.0 GROUNDWATER MONITORING WELL NETWORK

Entergy's groundwater monitoring system consists of 14 monitoring wells as shown in Appendix A see Figure 2. Pursuant to §257.91(f) of the CCR Rule, a qualified professional engineer has certified that the groundwater monitoring system has been designed and constructed to meet the requirements of this section of §257.91.

4.0 INSTALLED OR DECOMMISSIONED MONITORING WELLS DURING 2025

No monitoring wells were installed or decommissioned during 2025 at the CCR Unit.

5.0 GROUNDWATER MONITORING DATA

In accordance with §257.90(e)(3), all the monitoring data obtained under §§257.90 through 257.98 are provided in Appendix B along with a summary of 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 collected as part of detection or assessment monitoring.

6.0 STATUS SUMMARY OF THE 2025 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring was performed in accordance with the detection monitoring requirements of §257.94. A summary of activities related to the 2025 groundwater detection monitoring performed is provided below:

- In accordance with §257.94(b), detection monitoring sampling was performed during March, June, September, and December 2025 for analysis of Appendix III parameters.
- Appendix IV parameters were collected in March, June, September and December 2025 to enhance the background data set for those constituents. Sample collection for Radium 226/228 was not performed as these constituents were not detected in any of the background data. As noted above, the March, June, September and December 2025 Appendix IV data were collected for background purposes and are not required by the rule since the unit is in detection monitoring.
- Statistical evaluation of the detection monitoring data was performed in accordance with the statistical method certified by a qualified Louisiana-registered Professional Engineer. The certified statistical method has been posted to Entergy's CCR Rule Compliance Data and Information website.
- In 2018, Entergy completed a successful alternate source demonstration (ASD) per §257.94(e)(2) in response to statistically significant increases (SSIs) identified for calcium in well CCR-7 during the second half of 2017 detection monitoring event. The ASD, which demonstrated that the SSI is the result of natural variation in

groundwater quality, was certified by a Louisiana-registered professional engineer and was placed into the facility's operating record. Based on the successful evaluation conducted and results presented in the ASD, Entergy continued with detection monitoring in accordance with §257.94.

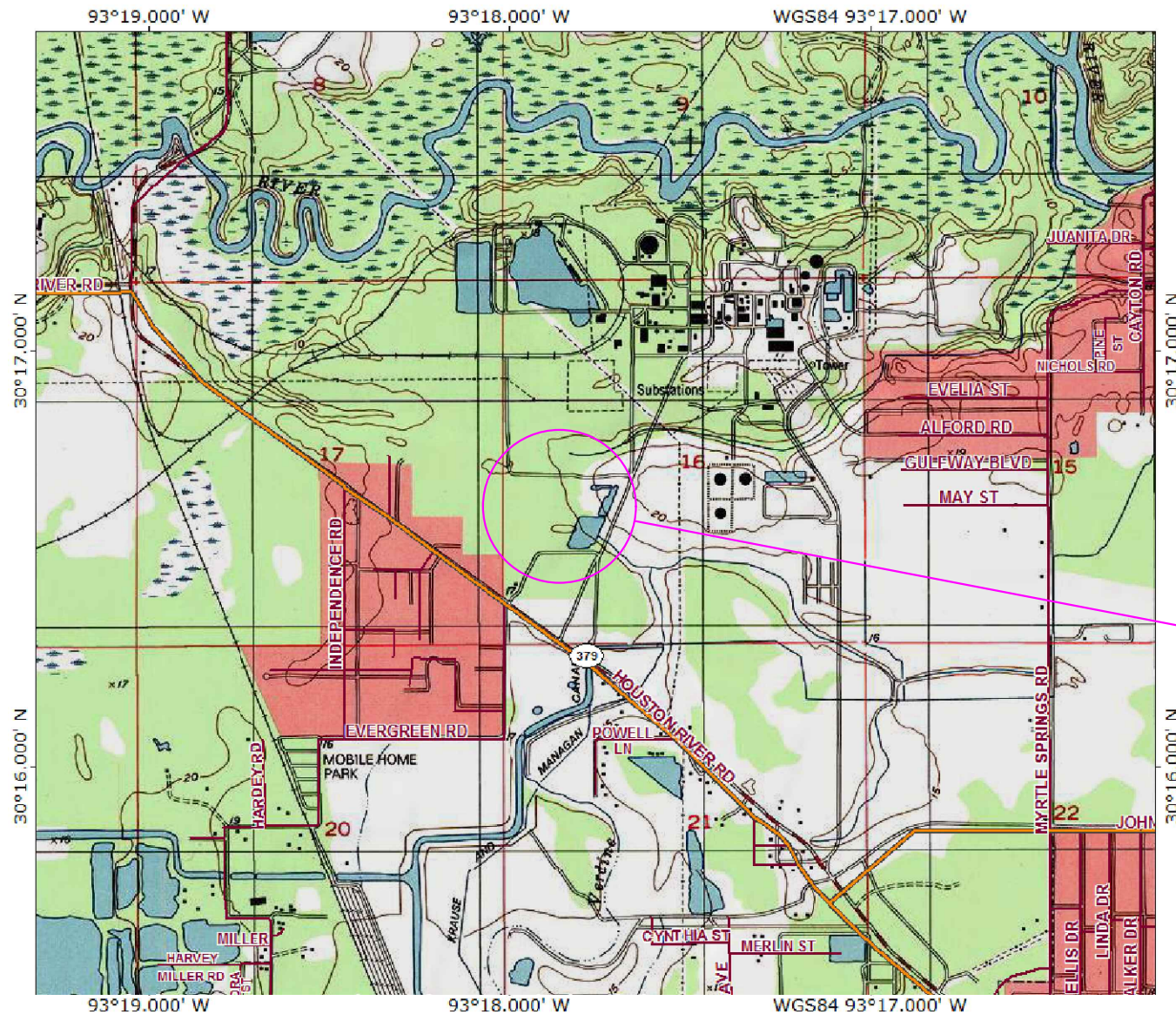
- In 2018, Entergy completed a successful alternate source demonstration (ASD) per §257.94(e)(2) in response to statistically significant increases (SSIs) identified for calcium in well CCR-7 during the first half of 2018 detection monitoring event. The ASD, which demonstrated that the SSI is the result of natural variation in groundwater quality, was certified by a Louisiana-registered professional engineer and were placed into the facility's operating record. Based on the successful evaluation conducted and results presented in the ASD, Entergy continued with detection monitoring in accordance with §257.94.
- In 2019, Entergy completed a successful alternate source demonstration (ASD) per §257.94(e)(2) in response to statistically significant increases (SSIs) identified for calcium in wells CCR-5 and CCR-7 during the second half of 2018 detection monitoring event. The ASD, which demonstrated that the SSIs are the result of natural variation in groundwater quality, was certified by a Louisiana-registered professional engineer and were placed into the facility's operating record. Based on the successful evaluation conducted and results presented in the ASD, Entergy continued with detection monitoring in accordance with §257.94.
- The 2025 detection monitoring sampling was performed during March, June, September, and December 2025. Results confirmed SSIs for calcium in June and December 2025 in well CCR-7. The ASDs referenced above previously demonstrated that the SSIs for calcium in wells CCR-5 and CCR-7 are the result of natural variation in groundwater quality and the basis for the prior ASDs remain applicable.
- Groundwater flow direction in 2025 was southwest to northeast in the first continuous permeable zone beneath the landfill which is consistent with historical observations with a northerly shift in 2025, refer to Figures 3 and 4 in Appendix A.
- Investigation activities have shown that the rate of groundwater flow in the vicinity of the CADL is 3.51×10^{-4} feet per day. The rate was determined from the hydraulic conductivity from the previous hydrogeologic investigations of the Lower Sand and from the December 2025 hydraulic gradient data. Average soil porosity was determined to be 0.3725 (Geotechdata.info, 2013).
- No problems were encountered during 2025 with regard to the groundwater monitoring system. Therefore, no actions were required to modify the system.
- The facility remained in detection monitoring for the duration of 2025 because no SSIs were detected that were not addressed by the prior ASDs.

7.0 PROJECTED ACTIVITIES FOR 2026

Semi-annual detection monitoring events are planned for June and December 2026.

APPENDIX A

SITE MAP AND GROUNDWATER FLOW DIRECTION



SITE LOCATION

**COAL ASH DISPOSAL LANDFILL
SITE LOCATION MAP**

NELSON POWER GENERATING STATION
3500 HOUSTON RIVER ROAD, WESTLAKE, LOUISIANA



Pivotal Engineering LLC
CIVIL, ELECTRICAL, ENVIRONMENTAL & MECHANICAL ENGINEERING

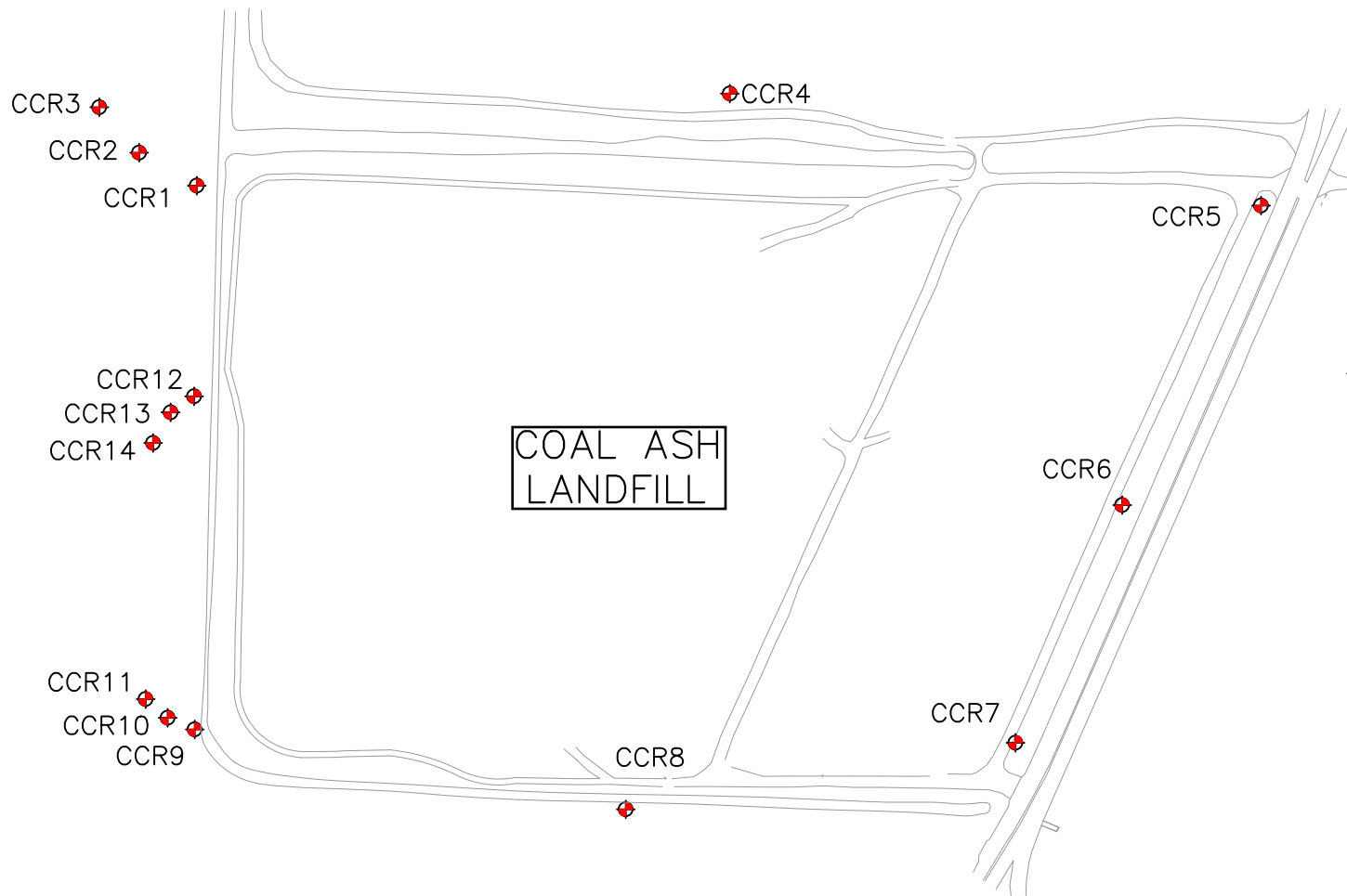
1515 BOULEVARD STREET, SUITE 100
HOUSTON, TEXAS 77056

(804) 799-3665 (804) 799-3664 (FAX)

SCALE: NOT TO SCALE	DRAWN BY: Y.S.
DATE: JANUARY 4, 2015	CHECKED BY: T.E.
JOB NO. 15-125	

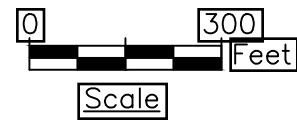
1
FIG. NO.

DATE	DESCRIPTION	BY



Legend

- Landfill Boundary Line
- Landfill Area
- ⬮ Well Location



COAL ASH LANDFILL SITE MAP

ENTERGY LOUISIANA, LLC
ROY S. NELSON PLANT

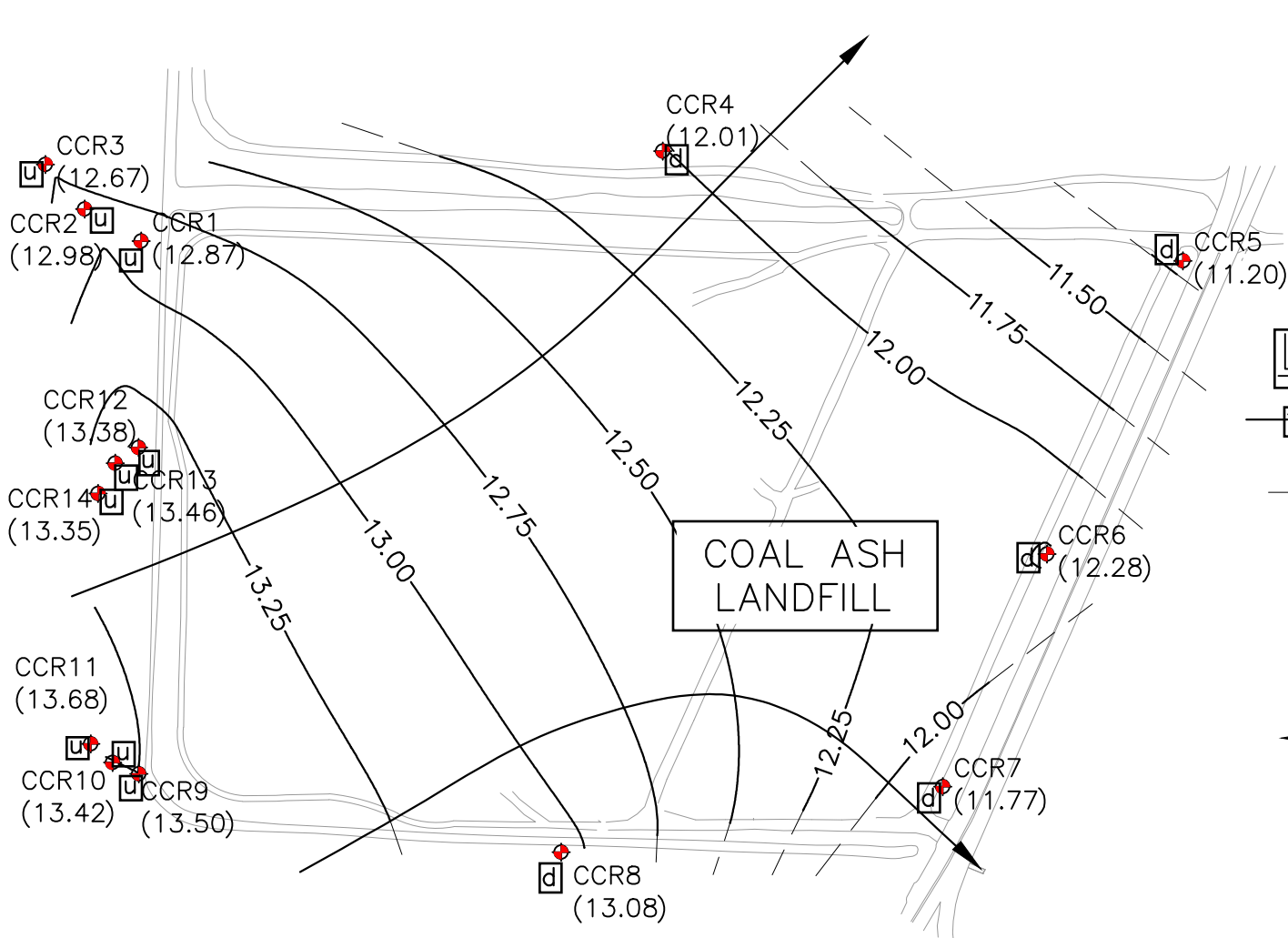
HOUSTON RIVER ROAD, WESTLAKE, LOUISIANA



3342 MILAN STREET
NEW ORLEANS, LA 70125
504-237-3602 (main); 937-369-7711 (alt)
www.pvtlenv.com

SCALE: AS NOTED	DRAWN BY: B.S.	2
DATE: May 12, 2025	CHECKED BY: T.E.	
JOB NO. 25-1171		FIG. NO.

DATE	DESCRIPTION	BY
	REVISIONS	



Legend

- Ground Water Elevation Contour, ft
- Extrapolated Contour
- Ground Water Elevation, ft NAVD 88
- Landfill Area
- Well Location
- Direction of Ground Water Flow
- UP GRADIENT
- DOWN GRADIENT
- Scale

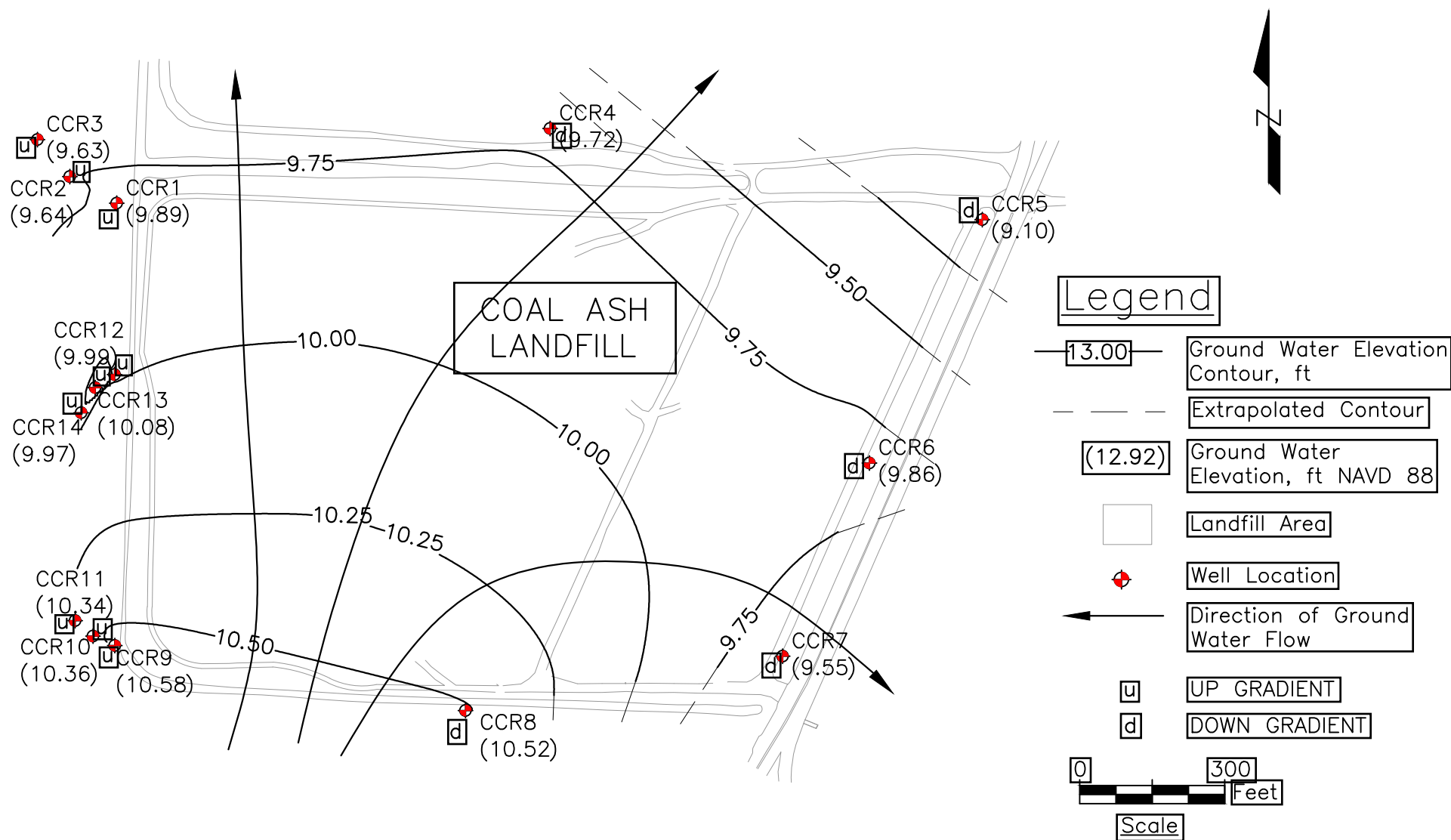
COAL ASH LANDFILL
POTENTIOMETRIC ELEVATION MAP
JUNE 25-27, 2025
ENTERGY LOUISIANA, LLC
 (ROY S. NELSON PLANT)
 HOUSTON RIVER ROAD, WESTLAKE, LOUISIANA



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 NEW ORLEANS, LA 70125
 504-237-3602 (main); 937-369-7711 (alt)
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DATE	DESCRIPTION	BY

SCALE: AS NOTED	DRAWN BY: B.S.	3
DATE: December 12, 2025	CHECKED BY: T.E.	
JOB NO. 25-117		FIG. NO.



COAL ASH LANDFILL
POTENTIOMETRIC ELEVATION MAP
DECEMBER 16-18, 2025
ENTERGY LOUISIANA, LLC
ROY S. NELSON PLANT
HOUSTON RIVER ROAD, WESTLAKE, LOUISIANA



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 NEW ORLEANS, LA 70125
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DATE		DESCRIPTION		BY	
DATE		REVISIONS		BY	
SCALE: AS NOTED		DRAWN BY: B.S.		4	
DATE: JANUARY 23, 2025		CHECKED BY: T.E.		FIG. NO.	
JOB NO. 25-117					

APPENDIX B

SAMPLING SCHEDULE AND ANALYTICAL DATA



TABLE 1
Summary of 2025 Sampling Dates

Entergy Services, Inc.
Nelson Coal Ash Landfill
Westlake, LA

Well	CCR-1 (BG)	CCR-2 (BG)	CCR-3 (BG)	CCR-4	CCR-5	CCR-6	CCR-7	CCR-8	CCR-9 (BG)	CCR-10 (BG)	CCR-11 (BG)	CCR-12 (BG)	CCR-13 (BG)	CCR-14 (BG)
Date	3/26/25	3/25/25	3/25/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25
40 CFR 257 Appendix III Parameters*														
40 CFR 257 Appendix IV Parameters**														
Date	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/25/25	6/25/25	6/25/25	6/25/25	6/25/25	6/25/25
40 CFR 257 Appendix III Parameters*														
40 CFR 257 Appendix IV Parameters**														
Date	9/25/25	9/25/25	9/25/25	9/26/25	9/25/25	9/25/25	9/25/25	9/25/25	9/26/25	9/26/25	9/26/25	9/26/25	9/26/25	9/26/25
40 CFR 257 Appendix III Parameters*														
40 CFR 257 Appendix IV Parameters**														
Date	12/16/25	12/16/25	12/16/25	12/18/25	12/18/25	12/18/25	12/17/25	12/17/25	12/17/25	12/17/25	12/16/25	12/16/25	12/16/25	12/16/25
40 CFR 257 Appendix III Parameters*														
40 CFR 257 Appendix IV Parameters**														

*40 CFR 257 Appendix III Parameters collected on reference date and include Boron, Calcium, Chloride, Flouride, pH, Sulfate, and Total Dissolved Solids. Laboratory reports to follow.

**Voluntary analysis of 40 CFR 257 Appendix IV Parameters collected on reference date and include Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Flouride, Lead, Lithium, Mercury, Molybdenum, Selenium, and Thallium. Voluntary analysis of Radium-226 and Radium-228 was not conducted in 2025.

Note: Detection monitoring results for pH are located on the next table.



TABLE 2
Summary of 2025 pH Data

Entergy Services, Inc.
Nelson Coal Ash Landfill
Westlake, LA

Well	CCR-1 (BG)	CCR-2 (BG)	CCR-3 (BG)	CCR-4	CCR-5	CCR-6	CCR-7	CCR-8	CCR-9 (BG)	CCR-10 (BG)	CCR-11 (BG)	CCR-12 (BG)	CCR-13 (BG)	CCR-14 (BG)
Date	3/26/25	3/25/25	3/25/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25	3/26/25
pH (S.U.)	6.97	6.02	6.18	7.02	6.95	7.03	6.97	6.29	7.18	7.1	7	5.9	6.98	6.08
Date	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/27/25	6/25/25	6/25/25	6/25/25	6/25/25	6/25/25	6/25/25
pH (S.U.)	7.12	6.84	6.61	7.06	7.25	7.5	7.77	7.21	7.83	7.59	6.88	7.15	8.89	7.41
Date	9/25/25	9/25/25	9/25/25	9/26/25	9/25/25	9/25/25	9/25/25	9/25/25	9/26/25	9/26/25	9/26/25	9/26/25	9/26/25	9/26/25
pH (S.U.)	7.27	7.26	7.14	7.44	7.46	7.04	7.43	6.68	7.7	7.85	7.74	7.41	8.93	6.51
Date	12/16/25	12/16/25	12/16/25	12/18/25	12/18/25	12/18/25	12/17/25	12/17/25	12/17/25	12/17/25	12/16/25	12/16/25	12/16/25	12/16/25
pH (S.U.)	7.63	7.56	7.37	7.9 / 7.04*	8.21 / 7.43*	8.07 / 7.52*	7.78	7.65	8.72	7.94	7.81	7.97	8.57	7.67

S.U.: Standard Units

*1/22/26 resampling result.



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

April 18, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: CCR Detection Monitoring

Order No.: 25031295

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 3/28/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Buffy Bryant
Customer Service Supervisor



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 25031295
Date: 4/18/2025

CLIENT: Pivotal Engineering LLC

Project: CCR Detection Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 11:25:00 AM
Project: CCR Detection Monitoring
Lab ID: 25031295-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	45.2	2.50		mg/L	10	4/2/2025 11:27:14 AM
Fluoride	0.317	0.0500		mg/L	1	4/2/2025 5:22:08 PM
Sulfate	2.39	0.250		mg/L	1	4/2/2025 5:22:08 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:18:00 PM
Calcium	26.4	0.500		mg/L	1	4/3/2025 4:18:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	283	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/25/2025 4:00:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	49.9	2.50		mg/L	10	4/2/2025 12:11:36 PM
Fluoride	0.344	0.0500		mg/L	1	4/2/2025 5:36:55 PM
Sulfate	0.773	0.250		mg/L	1	4/2/2025 5:36:55 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:21:00 PM
Calcium	22.1	0.500		mg/L	1	4/3/2025 4:21:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	268	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/25/2025 2:50:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	135	2.50		mg/L	10	4/2/2025 12:55:59 PM
Fluoride	0.363	0.0500		mg/L	1	4/2/2025 5:51:43 PM
Sulfate	2.14	0.250		mg/L	1	4/2/2025 5:51:43 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:23:00 PM
Calcium	36.7	0.500		mg/L	1	4/3/2025 4:23:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	403	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 11:55:00 AM
Project: CCR Detection Monitoring
Lab ID: 25031295-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	45.1	2.50		mg/L	10	4/2/2025 1:10:46 PM
Fluoride	0.185	0.0500		mg/L	1	4/2/2025 6:06:30 PM
Sulfate	14.8	0.250		mg/L	1	4/2/2025 6:06:30 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.119	0.100		mg/L	1	4/3/2025 4:26:00 PM
Calcium	22.4	0.500		mg/L	1	4/3/2025 4:26:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	273	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 12:25:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	58.3	2.50		mg/L	10	4/2/2025 1:25:33 PM
Fluoride	0.243	0.0500		mg/L	1	4/2/2025 6:21:17 PM
Sulfate	< 0.250	0.250		mg/L	1	4/2/2025 6:21:17 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.121	0.100		mg/L	1	4/3/2025 4:29:00 PM
Calcium	37.9	0.500		mg/L	1	4/3/2025 4:29:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	409	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



Element Materials Technology Lafayette
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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 1:00:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	81.4	2.50		mg/L	10	4/2/2025 1:40:20 PM
Fluoride	0.262	0.0500		mg/L	1	4/2/2025 6:36:05 PM
Sulfate	< 0.250	0.250		mg/L	1	4/2/2025 6:36:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.115	0.100		mg/L	1	4/3/2025 4:32:00 PM
Calcium	32.1	0.500		mg/L	1	4/3/2025 4:32:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	314	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 1:25:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	78.5	2.50		mg/L	10	4/2/2025 1:55:07 PM
Fluoride	0.329	0.0500		mg/L	1	4/2/2025 6:50:52 PM
Sulfate	< 0.250	0.250		mg/L	1	4/2/2025 6:50:52 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:35:00 PM
Calcium	49.9	0.500		mg/L	1	4/3/2025 4:35:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	345	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 2:05:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	83.6	2.50		mg/L	10	4/2/2025 2:09:55 PM
Fluoride	0.161	0.0500		mg/L	1	4/2/2025 7:05:39 PM
Sulfate	1.17	0.250		mg/L	1	4/2/2025 7:05:39 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:38:00 PM
Calcium	12.9	0.500		mg/L	1	4/3/2025 4:38:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	291	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 3:40:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	61.6	2.50		mg/L	10	4/2/2025 2:24:42 PM
Fluoride	0.560	0.0500		mg/L	1	4/2/2025 7:20:26 PM
Sulfate	4.09	0.250		mg/L	1	4/2/2025 7:20:26 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:52:00 PM
Calcium	30.8	0.500		mg/L	1	4/3/2025 4:52:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	336	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 3:00:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	42.3	2.50		mg/L	10	4/2/2025 2:39:30 PM
Fluoride	0.571	0.0500		mg/L	1	4/2/2025 7:35:14 PM
Sulfate	3.11	0.250		mg/L	1	4/2/2025 7:35:14 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:55:00 PM
Calcium	29.3	0.500		mg/L	1	4/3/2025 4:55:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	313	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 2:40:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	27.9	2.50		mg/L	10	4/2/2025 3:23:51 PM
Fluoride	0.666	0.0500		mg/L	1	4/2/2025 8:19:36 PM
Sulfate	1.95	0.250		mg/L	1	4/2/2025 8:19:36 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 4:58:00 PM
Calcium	33.0	0.500		mg/L	1	4/3/2025 4:58:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	250	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 5:40:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	16.9	1.25		mg/L	5	4/2/2025 3:38:39 PM
Fluoride	0.0621	0.0500		mg/L	1	4/2/2025 8:34:23 PM
Sulfate	16.1	0.250		mg/L	1	4/2/2025 8:34:23 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 5:01:00 PM
Calcium	22.5	0.500		mg/L	1	4/3/2025 5:01:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	174	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 4:55:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	12.4	1.25		mg/L	5	4/2/2025 3:53:26 PM
Fluoride	0.199	0.0500		mg/L	1	4/2/2025 8:49:11 PM
Sulfate	< 0.250	0.250		mg/L	1	4/2/2025 8:49:11 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 5:04:00 PM
Calcium	29.9	0.500		mg/L	1	4/3/2025 5:04:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	194	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 4:30:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	11.6	1.25		mg/L	5	4/2/2025 4:08:13 PM
Fluoride	0.164	0.0500		mg/L	1	4/2/2025 9:03:58 PM
Sulfate	0.273	0.250		mg/L	1	4/2/2025 9:03:58 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 5:07:00 PM
Calcium	18.3	0.500		mg/L	1	4/3/2025 5:07:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	157	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025
Project: CCR Detection Monitoring
Lab ID: 25031295-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	17.9	1.25		mg/L	5	4/2/2025 4:23:01 PM
Fluoride	0.124	0.0500		mg/L	1	4/2/2025 9:18:45 PM
Sulfate	16.2	0.250		mg/L	1	4/2/2025 9:18:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 5:10:00 PM
Calcium	22.9	0.500		mg/L	1	4/3/2025 5:10:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	170	10.0		mg/L	1	3/28/2025 2:51:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25031295

Date Reported 4/18/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 5:20:00 PM
Project: CCR Detection Monitoring
Lab ID: 25031295-016 **Matrix:** AQUEOUS
Client Sample ID: Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	9.39	1.25		mg/L	5	4/2/2025 4:37:48 PM
Fluoride	0.230	0.0500		mg/L	1	4/2/2025 9:33:33 PM
Sulfate	< 0.250	0.250		mg/L	1	4/2/2025 9:33:33 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	4/3/2025 5:12:00 PM
Calcium	19.8	0.500		mg/L	1	4/3/2025 5:12:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	222	10.0		mg/L	1	3/31/2025 4:00:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: 61168

Sample ID: MB-61168	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149597						
Client ID: PBW	Batch ID: 61168	TestNo: SW6010B		Analysis Date: 4/3/2025	SeqNo: 3661640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	< 0.100	0.100									
Calcium	< 0.500	0.500									

Sample ID: LCS-61168	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149597						
Client ID: LCSW	Batch ID: 61168	TestNo: SW6010B		Analysis Date: 4/3/2025	SeqNo: 3661644						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.553	0.100	0.5000	0	111	80	120				
Calcium	53.4	0.500	50.00	0	107	80	120				

Sample ID: LCSD-61168	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149597						
Client ID: LCSS02	Batch ID: 61168	TestNo: SW6010B		Analysis Date: 4/3/2025	SeqNo: 3661645						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.561	0.100	0.5000	0	112	80	120	0.5526	1.55	20	
Calcium	52.7	0.500	50.00	0	105	80	120	53.42	1.29	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149339

Sample ID: MB-R149339	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 149339		
Client ID: PBW	Batch ID: R149339	TestNo: SM2540C	Analysis Date: 3/28/2025					SeqNo: 3656178			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) < 10.0 10.0

Sample ID: LCS-R149339	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 149339		
Client ID: LCSW	Batch ID: R149339	TestNo: SM2540C	Analysis Date: 3/28/2025					SeqNo: 3656179			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 993 10.0 1,000 0 99.3 85 115

Sample ID: LCSD-R149339	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 149339		
Client ID: LCSS02	Batch ID: R149339	TestNo: SM2540C	Analysis Date: 3/28/2025					SeqNo: 3656180			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 991 10.0 1,000 0 99.1 85 115 993.0 0.202 10

Sample ID: 25031151-002ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 149339						
Client ID: ZZZZZZ	Batch ID: R149339	TestNo: SM2540C		Analysis Date: 3/28/2025	SeqNo: 3656183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 679 10.0 673.0 0.888 10

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as s



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC

Project: CCR Detection Monitoring

BatchID: R149339

Sample ID: 25031151-002ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 149339						
Client ID: ZZZZZZ	Batch ID: R149339	TestNo: SM2540C		Analysis Date: 3/28/2025	SeqNo: 3656183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 25031295-007ADUP SampType: DUP TestCode: TDS_2540C Units: mg/L Prep Date: RunNo: 149339											
Client ID: CCR-7		Batch ID: R149339		TestNo: SM2540C		Analysis Date: 3/28/2025				SeqNo: 3656194	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	341	10.0						345.0	1.17	10	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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Website: www.element.com

QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149419

Sample ID: MB-R149419	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 149419		
Client ID: PBW	Batch ID: R149419	TestNo: SM2540C	Analysis Date: 3/31/2025					SeqNo: 3658369			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue,
Filterable) < 10.0 10.0

Sample ID: LCS-R149419	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 149419		
Client ID: LCSW	Batch ID: R149419	TestNo: SM2540C	Analysis Date: 3/31/2025					SeqNo: 3658370			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue,
Filterable) 992 10.0 1,000 0 99.2 85 115

Sample ID: LCSD-R149419	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:				RunNo: 149419			
Client ID: LCSS02	Batch ID: R149419	TestNo: SM2540C	Analysis Date: 3/31/2025				SeqNo: 3658371				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue,
Filterable) 978 10.0 1,000 0 97.8 85 115 992.0 1.42 10

Sample ID: 25031295-016ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 149419						
Client ID: Field Blank	Batch ID: R149419	TestNo: SM2540C	Analysis Date: 3/31/2025	SeqNo: 3658373							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue,
Filterable) 214 10.0 222.0 3.67 10

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as s



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149419

Sample ID: 25031295-016ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 149419						
Client ID: Field Blank	Batch ID: R149419	TestNo: SM2540C		Analysis Date: 3/31/2025	SeqNo: 3658373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149533

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: PBW	Batch ID: R149533	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 0.250	0.250									
Fluoride	< 0.0500	0.0500									
Sulfate	< 0.250	0.250									

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: LCSW	Batch ID: R149533	TestNo: E 300.0	Analysis Date: 4/2/2025	SeqNo: 3659261							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.51	0.250	10.00	0	95.1	90	110				
Fluoride	1.93	0.0500	2.000	0	96.3	90	110				
Sulfate	9.62	0.250	10.00	0	96.2	90	110				

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: LCSS02	Batch ID: R149533	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.74	0.250	10.00	0	97.4	90	110	9.511	2.39	15	
Fluoride	1.97	0.0500	2.000	0	98.3	90	110	1.927	1.99	15	
Sulfate	9.74	0.250	10.00	0	97.4	90	110	9.615	1.25	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as s



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149533

Sample ID: 25031295-001ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: CCR-1	Batch ID: R149533	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	106	2.50	50.00	45.25	122	80	120				S
Fluoride	9.63	0.500	10.00	0	96.3	80	120				
Sulfate	41.1	2.50	50.00	0	82.2	80	120				

Sample ID: 25031295-001amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: CCR-1	Batch ID: R149533	TestNo: E 300.0	Analysis Date: 4/2/2025	SeqNo: 3659265							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	94.5	2.50	50.00	45.25	98.5	80	120	106.1	11.6	15	
Fluoride	9.69	0.500	10.00	0	96.9	80	120	9.633	0.558	15	
Sulfate	39.8	2.50	50.00	0	79.6	80	120	41.11	3.17	15	S

NOTES:

S - Spike recovery indicates matrix interference. The method is in control as indicated by the Lab Control Sample.

Sample ID: 25031295-002ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: CCR-2	Batch ID: R149533	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659267						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	91.3	2.50	50.00	49.95	82.6	80	120				
Fluoride	9.49	0.500	10.00	0	94.9	80	120				
Sulfate	39.5	2.50	50.00	0	79.0	80	120				S

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25031295

18-Apr-25

Client: Pivotal Engineering LLC
Project: CCR Detection Monitoring

BatchID: R149533

Sample ID: 25031295-002amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149533						
Client ID: CCR-2	Batch ID: R149533	TestNo: E 300.0	Analysis Date: 4/2/2025	SeqNo: 3659268							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	90.6	2.50	50.00	49.95	81.2	80	120	91.27	0.774	15	
Fluoride	9.50	0.500	10.00	0	95.0	80	120	9.492	0.0740	15	
Sulfate	39.2	2.50	50.00	0	78.5	80	120	39.50	0.647	15	S

NOTES:

S - Spike recovery indicates matrix interference. The method is in control as indicated by the Lab Control Sample.

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25031295**

RcptNo: **1**

Logged by: **Martin Lee** **3/28/2025 12:00:00 PM**

Martin Lee

Completed By: **Martin Lee** **3/28/2025 1:00:08 PM**

Martin Lee

Reviewed By: **Buffy Bryant** **4/18/2025 9:15:19 AM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Added year of collection to COC.

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			



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812-375-0531 Fax 812-375-0531
- ☐ 5738 Industrial Rd., Fort Wayne, IN 46825
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Fax 918-828-7756

Chain of Custody Record

Page 1 of 2

Laboratory
Number 25031295

Client Name: Pivotal Engineering LLC		Project: CCR Detection Monitoring		Preserv.		Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks
Contact Name: Terry Elnaggar				HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃				TDS	300: Cl, F, SO ₄	6010 metals*								
Collection	Grab	Comp	Sample Identification / Description															*6010 Metals: B, Ca
Date	Time																	
3-25-25 11:25	X		C	C	R	-	1	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-25-25 4 pm	X		C	C	R	-	2	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-25-25 5:58	X		C	C	R	-	3	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 11:55	X		C	C	R	-	4	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 12:25	X		C	C	R	-	5	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 13:00	X		C	C	R	-	6	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 13:25	X		C	C	R	-	7	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 14:05	X		C	C	R	-	8	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 15:40	X		C	C	R	-	9	None/ HNO ₃	2 Plastic	Aq	X	X	X					
3-26-25 15:00	X		C	C	R	-	10	None/ HNO ₃	2 Plastic	Aq	X	X	X					

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O.
Number

Relinquished by: (Signature) <i>Bryan D. L...</i>	Received by: (Signature)	Date 3-28-25	Time 12:00	Relinquished by: (Signature)	Received by: (Signature)	Date 3-28-25	Time 12:00
--	--------------------------	-----------------	---------------	------------------------------	--------------------------	-----------------	---------------

Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial		Shipping Conditions ☒ Iced 3.3 EAH Temp. <i>FRIT</i> ☐ Ambient		Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other		Thank-you for using Element Materials Technology	
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- ☒ 2417 W. Pinhook Rd, Lafayette, LA 70508
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- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Chain of Custody Record

Page 2 of 2

Laboratory
Number 25031295

Client Name: Pivotal Engineering LLC		Project: CCR Detection Monitoring		Preserv.		Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks	
Contact Name: Terry Elnaggar		Sampler's Signature: <i>Terry Elnaggar</i>		HCl HNO ₃ H ₂ SO ₄	NaOH Na ₂ S ₂ O ₃			TDS	300: Cl, F, SO ₄	6010 metals*									
Collection Date	Time	Grab	Comp	Sample Identification / Description															
3-26-25	11:40	X		C	C R - 1 1	None/ HNO ₃	2 Plastic	Aq	X	X	X								
3-26-25	17:40	X		C	C R - 1 2	None/ HNO ₃	2 Plastic	Aq	X	X	X								*6010 Metals: B, Ca
3-26-25	16:55	X		C	C R - 1 3	None/ HNO ₃	2 Plastic	Aq	X	X	X								
3-26-25	16:30	X		C	C R - 1 4	None/ HNO ₃	2 Plastic	Aq	X	X	X								
		X		M	S (CCR-)	None/ HNO ₃	2 Plastic	Aq	X	X	X								
		X		M	S D (CCR-)	None/ HNO ₃	2 Plastic	Aq	X	X	X								
3-26-25		X		D	U P	None/ HNO ₃	2 Plastic	Aq	X	X	X								
3-26-25	17:20	X		F	B 1	None/ HNO ₃	2 Plastic	Aq	X	X	X								
																			UPS / FedEx Airborne / Element Hand / Mail

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O.
Number

Relinquished by: (Signature) <i>Terry Elnaggar</i>	Received by: (Signature) <i>[Signature]</i>	Date 3-28-25	Time 12:00	Relinquished by: (Signature)	Received by: (Signature) <i>[Signature]</i>	Date 3-28-25	Time 12:00
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial	Shipping Conditions ☒ Iced 3.3 Temp. <i>EAT</i> ☐ Ambient <i>IRR</i>	Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other	Page 29 of 29	Thank-you for using Element Materials Technology
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May 01, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: CCR Assessment Monitoring

Order No.: 25031314

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 3/28/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Buffy Bryant
Customer Service Supervisor



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 25031314
Date: 5/1/2025

CLIENT: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Lithium (6020A) analyses were subcontracted to SGS North American Inc - Scott. Their report is attached in its entirety.



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 11:25:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25031314-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 10:43:41 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.317	0.0500		mg/L	1	4/2/2025 5:22:08 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.191	0.0100		mg/L	1	4/3/2025 4:18:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:18:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:18:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:18:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:18:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:18:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:18:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:18:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/25/2025 4:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 10:58:12 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.344	0.0500		mg/L	1	4/2/2025 5:36:55 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.158	0.0100		mg/L	1	4/3/2025 4:21:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:21:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:21:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:21:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:21:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:21:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:21:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:21:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
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Analytical Report

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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/25/2025 2:50:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-003 **Matrix:** AQUEOUS
Client Sample ID: CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:01:35 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.363	0.0500		mg/L	1	4/2/2025 5:51:43 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.341	0.0100		mg/L	1	4/3/2025 4:23:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:23:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:23:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:23:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:23:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:23:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:23:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:23:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 11:55:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25031314-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:04:58 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.185	0.0500		mg/L	1	4/2/2025 6:06:30 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.128	0.0100		mg/L	1	4/3/2025 4:26:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:26:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:26:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:26:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:26:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:26:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:26:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:26:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 12:25:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-005 **Matrix:** AQUEOUS
Client Sample ID: CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A		Analyst: SAR
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:16:09 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0		Analyst: BXB
Fluoride	0.243	0.0500		mg/L	1	4/2/2025 6:21:17 PM
METALS IN WATER BY ICP, TOTALS				SW6010B		Analyst: IO
Barium	0.244	0.0100		mg/L	1	4/3/2025 4:29:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:29:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:29:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:29:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:29:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:29:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:29:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:29:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A		Analyst: MRB
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 1:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:19:31 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.262	0.0500		mg/L	1	4/2/2025 6:36:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.215	0.0100		mg/L	1	4/3/2025 4:32:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:32:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:32:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:32:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:32:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:32:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:32:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:32:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 1:25:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:22:56 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.329	0.0500		mg/L	1	4/2/2025 6:50:52 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.241	0.0100		mg/L	1	4/3/2025 4:35:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:35:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:35:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:35:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:35:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:35:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:35:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:35:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 2:05:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:26:19 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.161	0.0500		mg/L	1	4/2/2025 7:05:39 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.119	0.0100		mg/L	1	4/3/2025 4:38:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:38:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:38:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:38:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:38:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:38:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:38:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:38:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 3:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:29:41 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.560	0.0500		mg/L	1	4/2/2025 7:20:26 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.235	0.0100		mg/L	1	4/3/2025 4:52:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:52:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:52:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:52:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:52:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:52:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:52:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:52:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 3:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:33:03 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.571	0.0500		mg/L	1	4/2/2025 7:35:14 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.253	0.0100		mg/L	1	4/3/2025 4:55:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:55:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:55:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:55:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:55:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:55:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:55:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:55:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 2:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-011 **Matrix:** AQUEOUS
Client Sample ID: CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:36:26 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.666	0.0500		mg/L	1	4/2/2025 8:19:36 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.171	0.0100		mg/L	1	4/3/2025 4:58:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 4:58:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 4:58:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 4:58:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 4:58:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 4:58:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 4:58:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 4:58:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 5:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-012 **Matrix:** AQUEOUS
Client Sample ID: CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:39:48 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.0621	0.0500		mg/L	1	4/2/2025 8:34:23 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.208	0.0100		mg/L	1	4/3/2025 5:01:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 5:01:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 5:01:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:01:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 5:01:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 5:01:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 5:01:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 5:01:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 4:55:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-013 **Matrix:** AQUEOUS
Client Sample ID: CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:43:11 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.199	0.0500		mg/L	1	4/2/2025 8:49:11 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.109	0.0100		mg/L	1	4/3/2025 5:04:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 5:04:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 5:04:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:04:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 5:04:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 5:04:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 5:04:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 5:04:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 4:30:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-014 **Matrix:** AQUEOUS
Client Sample ID: CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:46:34 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.164	0.0500		mg/L	1	4/2/2025 9:03:58 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0835	0.0100		mg/L	1	4/3/2025 5:07:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 5:07:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 5:07:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:07:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 5:07:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 5:07:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 5:07:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 5:07:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025
Project: CCR Assessment Monitoring
Lab ID: 25031314-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 11:57:45 AM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.124	0.0500		mg/L	1	4/2/2025 9:18:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.212	0.0100		mg/L	1	4/3/2025 5:10:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 5:10:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 5:10:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:10:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 5:10:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 5:10:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 5:10:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 5:10:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25031314

Date Reported 5/1/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 3/26/2025 5:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25031314-016 **Matrix:** AQUEOUS
Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	4/10/2025 12:01:07 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.230	0.0500		mg/L	1	4/2/2025 9:33:33 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:12:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	4/3/2025 5:12:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	4/3/2025 5:12:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	4/3/2025 5:12:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	4/3/2025 5:12:00 PM
Lead	< 0.0100	0.0100		mg/L	1	4/3/2025 5:12:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	4/3/2025 5:12:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	4/3/2025 5:12:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	0.000596	0.000250		mg/L	1	4/3/2025 10:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	4/3/2025 10:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	4/3/2025 10:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 61169

Sample ID: MB-61169	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149598						
Client ID: PBW	Batch ID: 61169	TestNo: SW6010B		Analysis Date: 4/3/2025	SeqNo: 3661705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0100	0.0100									
Beryllium	< 0.00100	0.00100									
Cadmium	< 0.00500	0.00500									
Chromium	< 0.0100	0.0100									
Cobalt	< 0.0100	0.0100									
Lead	< 0.0100	0.0100									
Molybdenum	< 0.0100	0.0100									
Selenium	< 0.0200	0.0200									

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
SDL Sample detection limit

M Matrix Interference
RL Reporting Limit
U Analyte not detected



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 61172-1

Sample ID: MB-61172	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149584						
Client ID: PBW	Batch ID: 61172-1	TestNo: SW6020A		Analysis Date: 4/3/2025	SeqNo: 3661193						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	< 0.000250	0.000250									
Arsenic	< 0.000250	0.000250									
Thallium	< 0.000250	0.000250									

Sample ID: LCS-61172	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149584						
Client ID: LCSW	Batch ID: 61172-1	TestNo: SW6020A		Analysis Date: 4/3/2025	SeqNo: 3661194						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.477	0.00500	0.500	0	95.4	80	120				
Arsenic	0.476	0.00500	0.500	0	95.1	80	120				
Thallium	0.472	0.00500	0.500	0	94.4	80	120				

Sample ID: LCSD-61172	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 4/1/2025	RunNo: 149584						
Client ID: LCSS02	Batch ID: 61172-1	TestNo: SW6020A		Analysis Date: 4/3/2025	SeqNo: 3661195						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.496	0.00500	0.500	0	99.2	80	120	0.477	3.86	20	
Arsenic	0.488	0.00500	0.500	0	97.5	80	120	0.476	2.49	20	
Thallium	0.485	0.00500	0.500	0	97.1	80	120	0.472	2.76	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 61172-1

Sample ID: 25031314-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 149584						
Client ID: CCR-8	Batch ID: 61172-1	TestNo: SW6020A		Analysis Date: 4/3/2025	SeqNo: 3661210						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.508	0.00500	0.500	0.0000191	102	75	125				
Arsenic	0.487	0.00500	0.500	0.0000428	97.4	75	125				
Thallium	0.465	0.00500	0.500	0.0000127	93.0	75	125				

Sample ID: 25031314-008BMSD	SampType: MSD	TestCode: 6020A_W		Units: mg/L	Prep Date:				RunNo: 149584		
Client ID: CCR-8	Batch ID: 61172-1	TestNo: SW6020A		Analysis Date: 4/3/2025				SeqNo: 3661211			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.509	0.00500	0.500	0.0000191	102	75	125	0.508	0.328	20	
Arsenic	0.488	0.00500	0.500	0.0000428	97.5	75	125	0.487	0.116	20	
Thallium	0.475	0.00500	0.500	0.0000127	95.0	75	125	0.465	2.16	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 61204

Sample ID: MB-61204	SampType: MBLK	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 4/3/2025	RunNo: 149773						
Client ID: PBW	Batch ID: 61204	TestNo: SW7470A		Analysis Date: 4/10/2025	SeqNo: 3666301						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.000200	0.000200									
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Sample ID: LCS-61204	SampType: LCS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 4/3/2025	RunNo: 149773						
Client ID: LCSW	Batch ID: 61204	TestNo: SW7470A		Analysis Date: 4/10/2025	SeqNo: 3666302						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00937	0.000200	0.01000	0	93.7	80	120				
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Sample ID: LCSD-61204	SampType: LCSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 4/3/2025	RunNo: 149773						
Client ID: LCSS02	Batch ID: 61204	TestNo: SW7470A		Analysis Date: 4/10/2025	SeqNo: 3666303						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00963	0.000200	0.01000	0	96.3	80	120	0.009374	2.72	20	
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Sample ID: 25031314-001BMS	SampType: MS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 4/3/2025	RunNo: 149773						
Client ID: CCR-1	Batch ID: 61204	TestNo: SW7470A		Analysis Date: 4/10/2025	SeqNo: 3666306						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00904	0.000200	0.01000	0	90.4	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 61204

Sample ID: 25031314-001BMSD	SampType: MSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 4/3/2025	RunNo: 149773						
Client ID: CCR-1	Batch ID: 61204	TestNo: SW7470A		Analysis Date: 4/10/2025	SeqNo: 3666307						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00916	0.000200	0.01000	0	91.6	75	125	0.009040	1.28	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R149534

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: PBW	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659311						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	< 0.0500	0.0500									
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Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: LCSW	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659312						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	1.93	0.0500	2.000	0	96.3	90	110				
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Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: LCSS02	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659313						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	1.97	0.0500	2.000	0	98.3	90	110	1.927	1.99	15	
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Sample ID: 25031295-001ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: ZZZZZZ	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659315						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	9.63	0.500	10.00	0	96.3	80	120				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

QC SUMMARY REPORT

WO#: 25031314

01-May-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R149534

Sample ID: 25031295-001amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: ZZZZZZ	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659316						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.69	0.500	10.00	0	96.9	80	120	9.633	0.558	15	

Sample ID: 25031295-002ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: ZZZZZZ	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.49	0.500	10.00	0	94.9	80	120				

Sample ID: 25031295-002amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 149534						
Client ID: ZZZZZZ	Batch ID: R149534	TestNo: E 300.0		Analysis Date: 4/2/2025	SeqNo: 3659319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.50	0.500	10.00	0	95.0	80	120	9.492	0.0740	15	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25031314**

RcptNo: **1**

Logged by: **Martin Lee** **3/28/2025 12:00:00 PM**

Martin Lee

Completed By: **Martin Lee** **3/28/2025 2:10:05 PM**

Martin Lee

Reviewed By: **Buffy Bryant** **4/18/2025 9:13:10 AM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐

eMail

☐

Phone

☐

Fax

☐

In Person

Regarding:

Client Instructions:

18. Additional remarks:

Added year of collection to COC.

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Element Materials Technology

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

25031314

SGS Job Number: LB13578

Sampling Dates: 03/25/25 - 03/26/25

Report to:

Element Materials Technology
2417 West Pinhook Rd
Lafayette, LA 70508
CustomerService.Lafayette@element.com

ATTN: Annie Reedy

Total number of pages in report: 43



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

[Signature]

Kesavalu Bagawandoss
Tech. Director North America

Client Service contact: Suzanne Junkin 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Element Materials Technology

Job No: LB13578

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25031314

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
LB13578-1	03/26/25	11:25		04/02/25	AQ	Water	25031314001 CCR-1
LB13578-2	03/25/25	16:00		04/02/25	AQ	Water	25031314002 CCR-2
LB13578-3	03/25/25	14:50		04/02/25	AQ	Water	25031314003 CCR-3
LB13578-4	03/26/25	11:55		04/02/25	AQ	Water	25031314004 CCR-4
LB13578-5	03/26/25	12:25		04/02/25	AQ	Water	25031314005 CCR-5
LB13578-6	03/26/25	13:00		04/02/25	AQ	Water	25031314006 CCR-6
LB13578-7	03/26/25	13:25		04/02/25	AQ	Water	25031314007 CCR-7
LB13578-8	03/26/25	14:05		04/02/25	AQ	Water	25031314008 CCR-8
LB13578-9	03/26/25	15:40		04/02/25	AQ	Water	25031314009 CCR-9
LB13578-10	03/26/25	15:00		04/02/25	AQ	Water	25031314010 CCR-10
LB13578-11	03/26/25	14:40		04/02/25	AQ	Water	25031314011 CCR-11
LB13578-12	03/26/25	17:40		04/02/25	AQ	Water	25031314012 CCR-12
LB13578-13	03/26/25	16:55		04/02/25	AQ	Water	25031314013 CCR-13



Sample Summary
(continued)

Element Materials Technology

Job No: LB13578

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25031314

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
LB13578-14	03/26/25	16:30	04/02/25	AQ	Water	25031314014 CCR-14
LB13578-15	03/26/25	00:00	04/02/25	AQ	Water	25031314015 DUPLICATE
LB13578-16	03/26/25	17:20	04/02/25	AQ	Field Blank Water	25031314016 FIELD BLANK

Summary of Hits

Page 1 of 2

Job Number: LB13578
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 03/25/25 thru 03/26/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB13578-1	25031314001 CCR-1					
Lithium ^a		25.3	10		ug/l	SW846 6020A
LB13578-2	25031314002 CCR-2					
Lithium ^a		24.0	10		ug/l	SW846 6020A
LB13578-3	25031314003 CCR-3					
Lithium ^a		31.2	10		ug/l	SW846 6020A
LB13578-4	25031314004 CCR-4					
Lithium ^a		20.5	10		ug/l	SW846 6020A
LB13578-5	25031314005 CCR-5					
Lithium ^a		23.8	10		ug/l	SW846 6020A
LB13578-6	25031314006 CCR-6					
Lithium ^a		16.4	10		ug/l	SW846 6020A
LB13578-7	25031314007 CCR-7					
Lithium ^a		13.8	10		ug/l	SW846 6020A
LB13578-8	25031314008 CCR-8					
Lithium ^a		43.3	10		ug/l	SW846 6020A
LB13578-9	25031314009 CCR-9					
Lithium ^a		10.5	10		ug/l	SW846 6020A
LB13578-10	25031314010 CCR-10					
Lithium ^a		44.6	10		ug/l	SW846 6020A
LB13578-11	25031314011 CCR-11					

No hits reported in this sample.

Summary of Hits

Job Number: LB13578
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 03/25/25 thru 03/26/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB13578-12	25031314012	CCR-12				
Lithium ^a		30.0	10		ug/l	SW846 6020A
LB13578-13	25031314013	CCR-13				
Lithium ^a		23.6	10		ug/l	SW846 6020A
LB13578-14	25031314014	CCR-14				
Lithium ^a		18.1	10		ug/l	SW846 6020A
LB13578-15	25031314015	DUPLICATE				
Lithium ^a		29.1	10		ug/l	SW846 6020A
LB13578-16	25031314016	FIELD BLANK				
Lithium		2.7	2.0		ug/l	SW846 6020A

(a) Elevated reporting limit due to dilution required for matrix interference.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	25031314001 CCR-1	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-1	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	25.3	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314002 CCR-2	Date Sampled:	03/25/25
Lab Sample ID:	LB13578-2	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	24.0	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314003 CCR-3	Date Sampled:	03/25/25
Lab Sample ID:	LB13578-3	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	31.2	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314004 CCR-4	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-4	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	20.5	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314005 CCR-5	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-5	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	23.8	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
- (2) Prep QC Batch: MP30267

(a) Elevated reporting limit due to dilution required for matrix interference.

Report of Analysis

Client Sample ID:	25031314006 CCR-6	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-6	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	16.4	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314007 CCR-7	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-7	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	13.8	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314008 CCR-8	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-8	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	43.3	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314009 CCR-9	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-9	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	10.5	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314010 CCR-10	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-10	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	44.6	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA29597

(2) Prep QC Batch: MP30267

(a) Elevated reporting limit due to dilution required for matrix interference.

Report of Analysis

Client Sample ID:	25031314011 CCR-11	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-11	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	< 10	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267

(a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314012 CCR-12	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-12	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	30.0	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314013 CCR-13	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-13	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	23.6	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314014 CCR-14	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-14	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	18.1	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314015 DUPLICATE	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-15	Date Received:	04/02/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	29.1	10	ug/l	5	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267
- (a) Elevated reporting limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25031314016 FIELD BLANK	Date Sampled:	03/26/25
Lab Sample ID:	LB13578-16	Date Received:	04/02/25
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	2.7	2.0	ug/l	1	04/03/25	04/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA29597
(2) Prep QC Batch: MP30267

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY RECORD

Omega COCID 19177

PAGE: 1

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB13578

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: ELA 055724 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	25031314-001C 6020_W_SUB (SW6020A)	CCR-1	250HDPEHNO3	Aqueous	3/26/2025 11:25:00 AM	1	
2	25031314-002C 6020_W_SUB (SW6020A)	CCR-2	250HDPEHNO3	Aqueous	3/25/2025 4:25:00 PM	1	
3	25031314-003C 6020_W_SUB (SW6020A)	CCR-3	250HDPEHNO3	Aqueous	3/25/2025 2:50:00 PM	1	
4	25031314-004C 6020_W_SUB (SW6020A)	CCR-4	250HDPEHNO3	Aqueous	3/26/2025 11:55:00 AM	1	
5	25031314-005C 6020_W_SUB (SW6020A)	CCR-5	250HDPEHNO3	Aqueous	3/26/2025 12:25:00 PM	1	
6	25031314-006C 6020_W_SUB (SW6020A)	CCR-6	250HDPEHNO3	Aqueous	3/26/2025 1:00:00 PM	1	
7	25031314-007C 6020_W_SUB (SW6020A)	CCR-7	250HDPEHNO3	Aqueous	3/26/2025 1:25:00 PM	1	
8	25031314-008C 6020_W_SUB (SW6020A)	CCR-8	250HDPEHNO3	Aqueous	3/26/2025 2:05:00 PM	1	
9	25031314-009C 6020_W_SUB (SW6020A)	CCR-9	250HDPEHNO3	Aqueous	3/26/2025 3:40:00 PM	1	

Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600
Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1650	Received By: <i>[Signature]</i>	Date:	Time:
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐			Note: RUSH requests will incur surcharges!		

REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
FOR LAB USE ONLY Temp of samples 31000 4.6 °C Attempts Cool? (3w2) Comments: no c/s Client d/d	

LB13578: Chain of Custody

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CHAIN OF CUSTODY RECORD

Omega COCID 19177

PAGE: 2

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ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB13578

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: PO #: ELA 055724 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	25031314-010C	CCR-10	250HDPEHNO3	Aqueous	3/26/2025 3:00:00 PM	1	
	6020_W_SUB (SW6020A)						
11	25031314-011C	CCR-11	250HDPEHNO3	Aqueous	3/26/2025 2:40:00 PM	1	
	6020_W_SUB (SW6020A)						
12	25031314-012C	CCR-12	250HDPEHNO3	Aqueous	3/26/2025 5:40:00 PM	1	
	6020_W_SUB (SW6020A)						
13	25031314-013C	CCR-13	250HDPEHNO3	Aqueous	3/26/2025 4:55:00 PM	1	
	6020_W_SUB (SW6020A)						
14	25031314-014C	CCR-14	250HDPEHNO3	Aqueous	3/26/2025 4:30:00 PM	1	
	6020_W_SUB (SW6020A)						
15	25031314-015C	Duplicate	250HDPEHNO3	Aqueous	3/26/2025	1	
	6020_W_SUB (SW6020A)						
16	25031314-016C	Field Blank	250HDPEHNO3	Aqueous	3/26/2025 5:20:00 PM	1	
	6020_W_SUB (SW6020A)						

Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE
Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600/1650	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	
TAT: Standard ☐ RUSH ☒ 137						FOR LAB USE ONLY
Temp of samples 4.6 °C Attempt to Cool? <i>[Signature]</i>						
Comments: NO C/S Client R/O						

LB13578: Chain of Custody

Page 2 of 7

SGS Sample Receipt Summary

Job Number: lb13578

Client: ELEMENT

Project: 19177

Date / Time Received: 4/2/2025 4:50:00 PM

Delivery Method: CLIENT DROPOFF

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Security

Y or N

Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature

Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IRGUN</u> | |
| 3. Cooler media: <u>Ice (direct contact)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☐ ☒ | |
| 2. Trip Blank listed on COC: ☐ ☐ ☒ | |
| 3. Samples preserved properly: ☒ ☐ | |
| 4. VOCs headspace free: ☐ ☐ ☒ | |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s: _____ pH 1-12: _____ pH 12+: _____ Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

LB13578: Chain of Custody

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CHAIN OF CUSTODY RECORD

Omega COCID 19177

PAGE: 1

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB13578

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: ELA 055724 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	25031314-001C 6020_W_SUB (SW6020A)	CCR-1	250HDPEHNO3	Aqueous	3/26/2025 11:25:00 AM	1	
					4:00:00		Corrected collection time - 4/4/25 KF
2	25031314-002C 6020_W_SUB (SW6020A)	CCR-2	250HDPEHNO3	Aqueous	3/25/2025 4:25:00 PM	1	
3	25031314-003C 6020_W_SUB (SW6020A)	CCR-3	250HDPEHNO3	Aqueous	3/25/2025 2:50:00 PM	1	
4	25031314-004C 6020_W_SUB (SW6020A)	CCR-4	250HDPEHNO3	Aqueous	3/26/2025 11:55:00 AM	1	
5	25031314-005C 6020_W_SUB (SW6020A)	CCR-5	250HDPEHNO3	Aqueous	3/26/2025 12:25:00 PM	1	
6	25031314-006C 6020_W_SUB (SW6020A)	CCR-6	250HDPEHNO3	Aqueous	3/26/2025 1:00:00 PM	1	
7	25031314-007C 6020_W_SUB (SW6020A)	CCR-7	250HDPEHNO3	Aqueous	3/26/2025 1:25:00 PM	1	
8	25031314-008C 6020_W_SUB (SW6020A)	CCR-8	250HDPEHNO3	Aqueous	3/26/2025 2:05:00 PM	1	
9	25031314-009C 6020_W_SUB (SW6020A)	CCR-9	250HDPEHNO3	Aqueous	3/26/2025 3:40:00 PM	1	

Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600
Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1650	Received By: <i>[Signature]</i>	Date:	Time:
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐			Note: RUSH requests will incur surcharges!		

REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
FOR LAB USE ONLY	
Temp of samples 31.00 °C	Attemp to Cool? (3W2)
Comments: no c/s Client d/d	

LB13578: Chain of Custody

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CHAIN OF CUSTODY RECORD

Omega COCID 19177

PAGE: 2

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB13578

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: PO #: ELA 055724 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	25031314-010C	CCR-10	250HDPEHNO3	Aqueous	3/26/2025 3:00:00 PM	1	
	6020_W_SUB (SW6020A)						
11	25031314-011C	CCR-11	250HDPEHNO3	Aqueous	3/26/2025 2:40:00 PM	1	
	6020_W_SUB (SW6020A)						
12	25031314-012C	CCR-12	250HDPEHNO3	Aqueous	3/26/2025 5:40:00 PM	1	
	6020_W_SUB (SW6020A)						
13	25031314-013C	CCR-13	250HDPEHNO3	Aqueous	3/26/2025 4:55:00 PM	1	
	6020_W_SUB (SW6020A)						
14	25031314-014C	CCR-14	250HDPEHNO3	Aqueous	3/26/2025 4:30:00 PM	1	
	6020_W_SUB (SW6020A)						
15	25031314-015C	Duplicate	250HDPEHNO3	Aqueous	3/26/2025	1	
	6020_W_SUB (SW6020A)						
16	25031314-016C	Field Blank	250HDPEHNO3	Aqueous	3/26/2025 5:20:00 PM	1	
	6020_W_SUB (SW6020A)						

Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE
Relinquished By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600/1650	Received By: <i>[Signature]</i>	Date: 4/2/25	Time: 1600	
TAT: Standard ☐ RUSH ☒ Next BD ☐ 2nd BD ☐ 3rd BD ☐						FOR LAB USE ONLY Temp of samples 4.6 °C Attempt to Cool? <i>[Signature]</i> Comments: NO C/S Client R/O
Note: RUSH requests will incur surcharges!						

LB13578: Chain of Custody

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SGS Sample Receipt Summary

Job Number: lb13578

Client: ELEMENT

Project: 19177

Date / Time Received: 4/2/2025 4:50:00 PM

Delivery Method: CLIENT DROPOFF

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Security

Y or N

Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature

Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IRGUN</u> | |
| 3. Cooler media: <u>Ice (direct contact)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☐ ☒ | |
| 2. Trip Blank listed on COC: ☐ ☐ ☒ | |
| 3. Samples preserved properly: ☒ ☐ | |
| 4. VOCs headspace free: ☐ ☐ ☒ | |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s: _____ pH 1-12: _____ pH 12+: _____ Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

LB13578: Chain of Custody

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Job Change Order: LB13578

Requested Date:	4/30/2025	Received Date:	4/2/2025
Account Name:	Element Materials Technology	Due Date:	4/30/2025
Project Description:	Element Materials Technology, 2417 West Pinho	Deliverable:	COMMB
C/O Initiated By:	SUZANNE_J	PM:	SJ
		TAT (Days):	14

=====

Sample #:	LB13578-ALL	Dept:	METALS
Client ID:		TAT:	14
Change:	Please remove CEMS data		

Above Changes Per: Suzanne Junkin Date/Time: 4/30/2025

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

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Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB13578
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 04/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	.14	49		
Antimony	1.0	.0022	.79		
Arsenic	1.0	.0079	.57		
Barium	1.0	.0041	.63		
Beryllium	1.0	.0035	.75		
Boron	20	.43	6.3		
Cadmium	0.50	.0016	.49		
Calcium	200	4.3	110		
Cerium	1.0	.0015	.76		
Chromium	1.0	.016	.53		
Cobalt	1.0	.0016	.66		
Copper	1.0	.008	.41		
Iron	100	.097	45		
Lithium	2.0	.012	.78	0.053	<2.0
Lead	1.0	.01	.72		
Lanthanum	1.0	.0017	.72		
Magnesium	100	.16	33		
Manganese	2.0	.0091	.57		
Molybdenum	1.0	.0038	.61		
Nickel	1.0	.0038	.52		
Potassium	100	2.5	65		
Selenium	5.0	.15	2.8		
Silver	1.0	.0024	.38		
Silicon	500	4.2	93		
Sodium	100	2.2	37		
Strontium	2.0	.0054	.42		
Thallium	1.0	.0023	.79		
Tin	2.0	.02	.56		
Titanium	1.0	.021	.57		
Uranium	1.0	.0019	.42		
Vanadium	1.0	.0087	.36		
Zinc	5.0	.017	2.4		

Associated samples MP30267: LB13578-1, LB13578-2, LB13578-3, LB13578-4, LB13578-5, LB13578-6, LB13578-7, LB13578-8, LB13578-9, LB13578-10, LB13578-11, LB13578-12, LB13578-13, LB13578-14, LB13578-15, LB13578-16

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB13578
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 04/03/25

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.1

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB13578
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
Matrix Type: AQUEOUS
Methods: SW846 6020A
Units: ug/l

Prep Date: 04/03/25

Metal	LB13578-1 Original MS		SpikeLot MPICPMS6 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Cerium					
Chromium					
Cobalt					
Copper					
Iron					
Lithium	25.3	129	100	103.7	75-125
Lead					
Lanthanum					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Silicon					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP30267: LB13578-1, LB13578-2, LB13578-3, LB13578-4, LB13578-5, LB13578-6, LB13578-7, LB13578-8, LB13578-9, LB13578-10, LB13578-11, LB13578-12, LB13578-13, LB13578-14, LB13578-15, LB13578-16

5.1.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB13578
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 04/03/25

Metal	LB13578-1 Original MS	Spike lot MPICPMS6 % Rec	QC Limits
-------	--------------------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB13578
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 04/03/25

Metal	LB13578-1 Original	MSD	SpikeLot MPICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Cerium						
Chromium						
Cobalt						
Copper						
Iron						
Lithium	25.3	128	100	102.7	0.8	20
Lead						
Lanthanum						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Silicon						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP30267: LB13578-1, LB13578-2, LB13578-3, LB13578-4, LB13578-5, LB13578-6, LB13578-7, LB13578-8, LB13578-9, LB13578-10, LB13578-11, LB13578-12, LB13578-13, LB13578-14, LB13578-15, LB13578-16

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB13578
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 04/03/25

Metal	LB13578-1 Original MSD	Spike lot MPICPMS6 % Rec	MSD RPD	QC Limit
-------	---------------------------	-----------------------------	------------	-------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

5.1.3

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Units: ug/l

04/03/25



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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LB13578

Account: SLLAL - Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267

Methods: SW846 6020A

Matrix Type: AQUEOUS

Units: ug/l

Prep Date: 04/03/25

Metal	BSP Result	Spike lot MPICPMS6 % Rec	QC Limits
-------	---------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.3
5

5.1.4



Methods: SW846 6020A

Units: ug/l

04/03/25

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB13578
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 04/03/25

Metal	LB13578-1 Original SDL 5:25 %DIF	QC Limits
-------	-------------------------------------	--------------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.4

5

POST DIGESTATE SPIKE SUMMARY

Login Number: LB13578
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30267
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date:

04/03/25

Metal	Sample ml	Final ml	LB13578-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
-------	--------------	-------------	------------------	---------------	------------	-------------	----------------	---------------	-------	--------------

Cerium

Associated samples MP30267: LB13578-1, LB13578-2, LB13578-3, LB13578-4, LB13578-5, LB13578-6, LB13578-7, LB13578-8, LB13578-9, LB13578-10, LB13578-11, LB13578-12, LB13578-13, LB13578-14, LB13578-15, LB13578-16

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested



- ☐ 2203 S. Madison St., Mun IN 47302
765-747-9000/800-874-3503 Fax 765-747-0228
- ☐ 629 Washington St., Suite 300, Columbus, IN 47201
812-375-0531 Fax 812-375-0531
- ☐ 5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

- ☒ 2417 W. Pinhook Rd, Lafayette, IN 47908
337-235-0483/800-737-2378
Fax 337-233-6540
- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Page 1 of 2

Chain of Custody Record

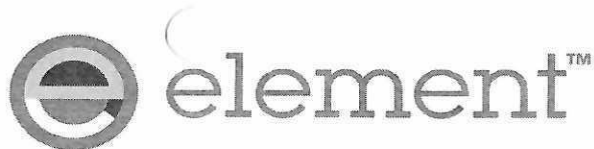
Laboratory
Number 25231314

Client Name: Pivotal Engineering LLC		Project: CCR Assessment Monitoring		Preserv.		Number / Type of Container	Matrix Code	Test Requested								Comments / Remarks	
Contact Name: Terry Elnaggar				HCl HNO ₃ H ₂ SO ₄				300: Fluoride	*6010/**6020 metals	***6020 Sub	7470 Mercury						
Phone/Fax: (504) 799-3653		Sampler's Signature: <i>Bryan L. L.</i>		NaOH Na ₂ S ₂ O ₃													
Collection	Grab	Comp	Sample Identification / Description														
Date	Time																
3-26-25	11:25	X		C	C	R	-	1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		*6010 Metals: Ba, Be, Cd, Cr, Co, Pb, Mo, Se
3-26-25	16:10	X		C	C	R	-	2	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	14:50	X		C	C	R	-	3	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		**6020 Metals: As, Sb, Ti
3-26-25	11:25	X		C	C	R	-	4	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	12:25	X		C	C	R	-	5	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		***6020 Sub Metal: Li
3-26-25	13:10	X		C	C	R	-	6	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	13:25	X		C	C	R	-	7	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	14:05	X		C	C	R	-	8	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	15:40	X		C	C	R	-	9	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26-25	15:00	X		C	C	R	-	10	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		UPS / FedEx Airborne / Element Hand / Mail

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O.
Number

Relinquished by: (Signature) <i>Bryan L. L.</i>	Received by: (Signature)	Date 3-28-25	Time 12:00	Relinquished by: (Signature)	Received by: (Signature)	Date 3-28-25	Time 12:00		
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Received by: (Signature)	Date	Time		
Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial		Shipping Conditions ☒ Iced 3.3 Temp. EAH ☐ Ambient JRI/2		Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other		Thank-you for using Element Materials Technology	



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765-747-9000/800-874-3553 Fax 765-747-0228
- ☐ 629 Washington St., Suite 300, Columbus, IN 47201
812-375-0531 Fax 812-375-0531
- ☐ 5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

- ☒ 2417 W. Pinhook Rd, Lafayette, IN 47908
337-235-0483/800-737-2378
Fax 337-233-6540
- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Page 2 of 2

Chain of Custody Record

Laboratory
Number 25031314

Client Name: Pivotal Engineering LLC		Project: CCR Assessment Monitoring		Preserv. HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃	Number / Type of Container	Matrix Code	Test Requested								Comments / Remarks			
Contact Name: Terry Elnaggar		Sampler's Signature: <i>Bryon St</i>					Fluoride	*6010/**6020 metals	***6020 Sub	7470 Mercury								
Phone/Fax: (504) 799-3653		Sample Identification / Description																
Collection Date	Time	Grab	Comp															
3-26 ²⁵	14:40	X		C	C	R	-	1	1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X	*6010 Metals: Ba, Be, Cd, Cr, Co, Pb, Mo, Se	
3-26 ²⁵	17:40	X		C	C	R	-	1	2	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26 ²⁵	16:55	X		C	C	R	-	1	3	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		**6020 Metals: As, Sb, Ti
3-26 ²⁵	16:30	X		C	C	R	-	1	4	None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
		X		M	S			(CCR- <u> </u>)		None/ HNO ₃	3 Plastic	Aq	X	X	X	X	***6020 Sub Metal: Li	
		X		M	S	D		(CCR- <u> </u>)		None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26 ²⁵	-	X		D	U	P				None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
3-26 ²⁵	17:20	X		F	B			1		None/ HNO ₃	3 Plastic	Aq	X	X	X	X		
																	UPS / FedEx Airborne / Element Hand / Mail	

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O.
Number

Relinquished by: (Signature) <i>Bryon St</i>	Received by: (Signature)	Date 3-28-25	Time 12:00	Relinquished by: (Signature)	Received by: (Signature)	Date	Time		
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Received by: (Signature)	Date 3-28-25	Time 12:00		
Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial		Shipping Conditions ☒ Iced 3.3 Temp. <i>EAH</i> ☐ Ambient <i>IR12</i>		Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other		Thank-you for using Element Materials Technology	



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

July 15, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: CCR Assessment Monitoring

Order No.: 25061550

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 6/30/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

A handwritten signature in cursive script that reads 'Buffy Bryant'.

Buffy Bryant
Customer Service Supervisor



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
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Website: www.element.com

Case Narrative

WO#: 25061550
Date: 7/15/2025

CLIENT: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Lithium (6020A) analyses were subcontracted to SGS North American Inc - Scott. Their report is attached in its entirety.



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 2:30:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 1:39:39 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.283	0.0500		mg/L	1	7/1/2025 9:50:31 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.184	0.0100		mg/L	1	7/7/2025 6:17:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:17:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:17:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:17:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:17:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:17:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:17:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:17:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 2:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 1:54:16 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.352	0.0500		mg/L	1	7/1/2025 10:05:19 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.148	0.0100		mg/L	1	7/7/2025 6:20:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:20:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:20:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:20:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:20:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:20:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:20:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:20:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 1:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 1:57:39 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.386	0.0500		mg/L	1	7/1/2025 10:20:06 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.308	0.0100		mg/L	1	7/7/2025 6:23:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:23:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:23:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:23:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:23:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:23:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:23:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:23:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 3:25:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:01:02 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.222	0.0500		mg/L	1	7/1/2025 10:34:54 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.118	0.0100		mg/L	1	7/7/2025 6:26:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:26:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:26:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:26:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:26:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:26:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:26:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:26:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 4:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:04:25 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.259	0.0500		mg/L	1	7/1/2025 10:49:41 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.228	0.0100		mg/L	1	7/7/2025 6:29:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:29:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:29:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:29:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:29:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:29:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:29:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:29:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 5:10:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:07:47 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.267	0.0500		mg/L	1	7/1/2025 11:04:29 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.193	0.0100		mg/L	1	7/7/2025 6:32:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:32:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:32:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:32:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:32:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:32:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:32:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:32:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 6:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:11:10 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.295	0.0500		mg/L	1	7/1/2025 11:19:17 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.215	0.0100		mg/L	1	7/7/2025 6:35:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:35:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:35:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:35:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:35:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:35:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:35:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:35:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
2417 W. Pinhook Road
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TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 4:15:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:21:51 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.156	0.0500		mg/L	1	7/1/2025 11:34:04 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.113	0.0100		mg/L	1	7/7/2025 6:37:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:37:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:37:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:37:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:37:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:37:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:37:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:37:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 3:30:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:25:14 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.597	0.0500		mg/L	1	7/1/2025 11:48:52 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.196	0.0100		mg/L	1	7/7/2025 6:40:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:40:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:40:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:40:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:40:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:40:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:40:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:40:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 3:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-010 **Matrix:** AQUEOUS
Client Sample ID: CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:28:36 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.611	0.0500		mg/L	1	7/1/2025 12:03:40 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.271	0.0100		mg/L	1	7/7/2025 6:49:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:49:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:49:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:49:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:49:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:49:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:49:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:49:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 6:55:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:31:59 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.709	0.0500		mg/L	1	7/1/2025 12:48:02 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.158	0.0100		mg/L	1	7/7/2025 6:52:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:52:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:52:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:52:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:52:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:52:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:52:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:52:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 6:05:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:35:21 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.126	0.0500		mg/L	1	7/1/2025 1:02:49 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.211	0.0100		mg/L	1	7/7/2025 6:55:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:55:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:55:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:55:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:55:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:55:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:55:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:55:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 5:10:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25061550-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:38:44 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.186	0.0500		mg/L	1	7/1/2025 1:17:37 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0931	0.0100		mg/L	1	7/7/2025 6:58:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 6:58:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 6:58:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 6:58:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 6:58:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 6:58:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 6:58:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 6:58:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025
Project: CCR Assessment Monitoring
Lab ID: 25061550-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:42:08 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.168	0.0500		mg/L	1	7/1/2025 1:32:24 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0701	0.0100		mg/L	1	7/7/2025 7:00:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 7:00:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 7:00:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 7:00:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 7:00:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 7:00:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 7:00:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 7:00:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025
Project: CCR Assessment Monitoring
Lab ID: 25061550-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:45:30 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.165	0.0500		mg/L	1	7/1/2025 1:47:11 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0675	0.0100		mg/L	1	7/7/2025 7:03:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 7:03:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 7:03:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 7:03:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 7:03:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 7:03:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 7:03:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 7:03:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25061550

Date Reported 7/15/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025
Project: CCR Assessment Monitoring
Lab ID: 25061550-016 **Matrix:** AQUEOUS
Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: SAR	
Mercury	< 0.000200	0.000200		mg/L	1	7/2/2025 2:48:53 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	< 0.0500	0.0500		mg/L	1	7/1/2025 2:31:34 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	< 0.0100	0.0100		mg/L	1	7/7/2025 7:06:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	7/7/2025 7:06:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	7/7/2025 7:06:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	7/7/2025 7:06:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	7/7/2025 7:06:00 PM
Lead	< 0.0100	0.0100		mg/L	1	7/7/2025 7:06:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	7/7/2025 7:06:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	7/7/2025 7:06:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	0.000691	0.000250		mg/L	1	7/3/2025 11:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	7/3/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	7/3/2025 11:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62409

Sample ID: MB-62409	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152185						
Client ID: PBW	Batch ID: 62409	TestNo: SW6020A		Analysis Date: 7/3/2025	SeqNo: 3732365						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	< 0.000250	0.000250									
Arsenic	< 0.000250	0.000250									
Thallium	< 0.000250	0.000250									

Sample ID: LCS-62409	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152185						
Client ID: LCSW	Batch ID: 62409	TestNo: SW6020A		Analysis Date: 7/3/2025	SeqNo: 3732366						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.489	0.00500	0.500	0	97.8	80	120				
Arsenic	0.492	0.00500	0.500	0	98.4	80	120				
Thallium	0.506	0.00500	0.500	0	101	80	120				

Sample ID: LCSD-62409	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152185						
Client ID: LCSS02	Batch ID: 62409	TestNo: SW6020A		Analysis Date: 7/3/2025	SeqNo: 3732367						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.492	0.00500	0.500	0	98.3	80	120	0.489	0.512	20	
Arsenic	0.491	0.00500	0.500	0	98.2	80	120	0.492	0.211	20	
Thallium	0.506	0.00500	0.500	0	101	80	120	0.506	0.00800	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62409

Sample ID: 25061493-001FMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152185						
Client ID: ZZZZZZ	Batch ID: 62409	TestNo: SW6020A		Analysis Date: 7/3/2025	SeqNo: 3732370						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.525	0.00500	0.500	0.000165	105	75	125				
Arsenic	0.534	0.00500	0.500	0.000699	107	75	125				
Thallium	0.518	0.00500	0.500	0.000645	103	75	125				

Sample ID: 25061493-001FMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152185						
Client ID: ZZZZZZ	Batch ID: 62409	TestNo: SW6020A		Analysis Date: 7/3/2025	SeqNo: 3732371						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.503	0.00500	0.500	0.000165	100	75	125	0.525	4.31	20	
Arsenic	0.509	0.00500	0.500	0.000699	102	75	125	0.534	4.76	20	
Thallium	0.493	0.00500	0.500	0.000645	98.5	75	125	0.518	4.93	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62410

Sample ID: MB-62410	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152244						
Client ID: PBW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0100	0.0100									
Beryllium	< 0.00100	0.00100									
Cadmium	< 0.00500	0.00500									
Chromium	< 0.0100	0.0100									
Cobalt	< 0.0100	0.0100									
Lead	< 0.0100	0.0100									
Molybdenum	< 0.0100	0.0100									
Selenium	< 0.0200	0.0200									

Sample ID: LCS-62410	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152244						
Client ID: LCSW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.498	0.0100	0.5000	0	99.6	80	120				
Beryllium	0.478	0.00100	0.5000	0	95.5	80	120				
Cadmium	0.477	0.00500	0.5000	0	95.4	80	120				
Chromium	0.494	0.0100	0.5000	0	98.8	80	120				
Cobalt	0.492	0.0100	0.5000	0	98.4	80	120				
Lead	0.483	0.0100	0.5000	0	96.7	80	120				
Molybdenum	0.487	0.0100	0.5000	0	97.5	80	120				
Selenium	0.488	0.0200	0.5000	0	97.6	80	120				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25061550

15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62410

Sample ID: LCSD-62410	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152244						
Client ID: LCSS02	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734137						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.504	0.0100	0.5000	0	101	80	120	0.4982	1.15	20	
Beryllium	0.482	0.00100	0.5000	0	96.5	80	120	0.4775	1.01	20	
Cadmium	0.486	0.00500	0.5000	0	97.2	80	120	0.4769	1.87	20	
Chromium	0.499	0.0100	0.5000	0	99.7	80	120	0.4942	0.888	20	
Cobalt	0.496	0.0100	0.5000	0	99.2	80	120	0.4922	0.797	20	
Lead	0.497	0.0100	0.5000	0	99.5	80	120	0.4833	2.87	20	
Molybdenum	0.489	0.0100	0.5000	0	97.8	80	120	0.4874	0.387	20	
Selenium	0.491	0.0200	0.5000	0	98.2	80	120	0.4881	0.556	20	

Sample ID: 25061493-001FMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152244						
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734139						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.519	0.0100	0.5000	0.02066	99.7	75	125				
Beryllium	0.473	0.00100	0.5000	0	94.7	75	125				
Cadmium	0.484	0.00500	0.5000	0	96.9	75	125				
Chromium	0.491	0.0100	0.5000	0	98.1	75	125				
Cobalt	0.487	0.0100	0.5000	0	97.4	75	125				
Lead	0.480	0.0100	0.5000	0	95.9	75	125				
Molybdenum	0.484	0.0100	0.5000	0	96.8	75	125				
Selenium	0.490	0.0200	0.5000	0	97.9	75	125				

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25061550

15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62410

Sample ID: 25061493-001FMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152244						
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734142						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.520	0.0100	0.5000	0.02066	99.8	75	125	0.5194	0.0924	20	
Beryllium	0.475	0.00100	0.5000	0	94.9	75	125	0.4735	0.230	20	
Cadmium	0.485	0.00500	0.5000	0	96.9	75	125	0.4844	0.0681	20	
Chromium	0.490	0.0100	0.5000	0	97.9	75	125	0.4905	0.206	20	
Cobalt	0.487	0.0100	0.5000	0	97.3	75	125	0.4870	0.0698	20	
Lead	0.483	0.0100	0.5000	0	96.6	75	125	0.4797	0.690	20	
Molybdenum	0.483	0.0100	0.5000	0	96.5	75	125	0.4839	0.246	20	
Selenium	0.498	0.0200	0.5000	0	99.6	75	125	0.4897	1.72	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62410

Sample ID: MB-62410	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: PBW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734091						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	< 0.00100	0.00100									
Cadmium	< 0.00500	0.00500									
Chromium	< 0.0100	0.0100									
Lead	< 0.0100	0.0100									
Selenium	< 0.0200	0.0200									

Sample ID: LCS-62410	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: LCSW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734092						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.478	0.00100	0.5000	0	95.5	80	120				
Cadmium	0.477	0.00500	0.5000	0	95.4	80	120				
Chromium	0.494	0.0100	0.5000	0	98.8	80	120				
Lead	0.483	0.0100	0.5000	0	96.7	80	120				
Selenium	0.488	0.0200	0.5000	0	97.6	80	120				

Sample ID: LCSD-62410	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: LCSS02	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.482	0.00100	0.5000	0	96.5	80	120	0.4775	1.01	20	
Cadmium	0.486	0.00500	0.5000	0	97.2	80	120	0.4769	1.87	20	
Chromium	0.499	0.0100	0.5000	0	99.7	80	120	0.4942	0.888	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25061550

15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62410

Sample ID: LCSD-62410	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: LCSS02	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.497	0.0100	0.5000	0	99.5	80	120	0.4833	2.87	20	
Selenium	0.491	0.0200	0.5000	0	98.2	80	120	0.4881	0.556	20	

Sample ID: 25061493-001FMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734095						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium	0.473	0.00100	0.5000	0	94.7	75	125				
Cadmium	0.484	0.00500	0.5000	0	96.9	75	125				
Chromium	0.491	0.0100	0.5000	0	98.1	75	125				
Lead	0.480	0.0100	0.5000	0	95.9	75	125				
Selenium	0.490	0.0200	0.5000	0	97.9	75	125				

Sample ID: 25061493-001FMSD												SampType: MSD		TestCode: 6010_W		Units: mg/L		Prep Date: 7/1/2025			RunNo: 152242		
Client ID: ZZZZZZ				Batch ID: 62410				TestNo: SW6010B				Analysis Date: 7/7/2025				SeqNo: 3734098							
Analyte				Result				PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				

Beryllium	0.475	0.00100	0.5000	0	94.9	75	125	0.4735	0.230	20	
Cadmium	0.485	0.00500	0.5000	0	96.9	75	125	0.4844	0.0681	20	
Chromium	0.490	0.0100	0.5000	0	97.9	75	125	0.4905	0.206	20	
Lead	0.483	0.0100	0.5000	0	96.6	75	125	0.4797	0.690	20	
Selenium	0.498	0.0200	0.5000	0	99.6	75	125	0.4897	1.72	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 62414

Sample ID: MB-62414	SampType: MBLK	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152135						
Client ID: PBW	Batch ID: 62414	TestNo: SW7470A		Analysis Date: 7/2/2025	SeqNo: 3730230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.000200	0.000200									
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Sample ID: LCS-62414	SampType: LCS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152135						
Client ID: LCSW	Batch ID: 62414	TestNo: SW7470A		Analysis Date: 7/2/2025	SeqNo: 3730231						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00985	0.000200	0.01000	0	98.5	80	120				
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Sample ID: LCSD-62414	SampType: LCSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152135						
Client ID: LCSS02	Batch ID: 62414	TestNo: SW7470A		Analysis Date: 7/2/2025	SeqNo: 3730232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0103	0.000200	0.01000	0	103	80	120	0.009850	4.29	20	
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Sample ID: 25061550-001BMS	SampType: MS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152135						
Client ID: CCR-1	Batch ID: 62414	TestNo: SW7470A		Analysis Date: 7/2/2025	SeqNo: 3730237						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00970	0.000200	0.01000	0	97.0	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25061550

15-Jul-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 62414

Sample ID: 25061550-001BMSD	SampType: MSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152135						
Client ID: CCR-1	Batch ID: 62414	TestNo: SW7470A		Analysis Date: 7/2/2025	SeqNo: 3730238						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00997	0.000200	0.01000	0	99.7	75	125	0.009699	2.74	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R152096

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: PBW	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/1/2025	SeqNo: 3729778						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride < 0.0500 0.0500

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: LCSW	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/1/2025	SeqNo: 3729779						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride 2.02 0.0500 2.000 0 101 90 110

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: LCSS02	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/1/2025	SeqNo: 3729780						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride 2.02 0.0500 2.000 0 101 90 110 2.020 0.0932 15

Sample ID: 25061550-015ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: Duplicate	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/2/2025	SeqNo: 3729802						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride 4.83 0.250 5.000 0.1255 94.0 80 120

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25061550
15-Jul-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R152096

Sample ID: 25061550-015amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: Duplicate	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/2/2025	SeqNo: 3729803						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	4.79	0.250	5.000	0.1255	93.2	80	120	4.825	0.817	15	

Sample ID: 25061550-016ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: Field Blank	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/2/2025	SeqNo: 3729805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	5.11	0.250	5.000	0.2097	98.0	80	120				

Sample ID: 25061550-016amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152096						
Client ID: Field Blank	Batch ID: R152096	TestNo: E 300.0		Analysis Date: 7/2/2025	SeqNo: 3729806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	5.13	0.250	5.000	0.2097	98.4	80	120	5.108	0.462	15	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25061550**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **6/30/2025 3:00:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **6/30/2025 3:29:06 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **7/15/2025 2:58:36 PM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Not Present			

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Element Materials Technology

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

25061550

SGS Job Number: LB17020

Sampling Dates: 06/25/25 - 06/27/25



Report to:

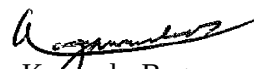
Element Materials Technology
2417 West Pinhook Rd
Lafayette, LA 70508
CustomerService.Lafayette@element.com

ATTN: Kelli Foreman

Total number of pages in report: **38**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.


Kesavalu Bagawandoss
Tech. Director North America

Client Service contact: Linda Eshelman 337-237-4775

Certifications: LA LDEQ(24751/02048) LA LDHH(LA025) ISO(TL-1159) AK(23-001) AZ(AZ0805) AR(88-00734) CA(3093) FL

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Element Materials Technology

Job No: LB17020

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25061550

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
LB17020-1	06/27/25	14:30	07/01/25	AQ	Water	25061550-001C CCR-1
LB17020-2	06/27/25	14:00	07/01/25	AQ	Water	25061550-002C CCR-2
LB17020-3	06/27/25	13:20	07/01/25	AQ	Water	25061550-003C CCR-3
LB17020-4	06/27/25	15:25	07/01/25	AQ	Water	25061550-004C CCR-4
LB17020-5	06/27/25	16:20	07/01/25	AQ	Water	25061550-005C CCR-5
LB17020-6	06/27/25	17:10	07/01/25	AQ	Water	25061550-006C CCR-6
LB17020-7	06/27/25	18:00	07/01/25	AQ	Water	25061550-007C CCR-7
LB17020-8	06/25/25	16:15	07/01/25	AQ	Water	25061550-008C CCR-8
LB17020-9	06/25/25	15:30	07/01/25	AQ	Water	25061550-009C CCR-9
LB17020-10	06/25/25	15:00	07/01/25	AQ	Water	25061550-010C CCR-10
LB17020-11	06/25/25	18:55	07/01/25	AQ	Water	25061550-011C CCR-11
LB17020-12	06/25/25	18:05	07/01/25	AQ	Water	25061550-012C CCR-12
LB17020-13	06/25/25	17:10	07/01/25	AQ	Water	25061550-013C CCR-13



Sample Summary
(continued)

Element Materials Technology

Job No: LB17020

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25061550

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
LB17020-14	06/25/25	00:00	07/01/25	AQ	Water	25061550-014C CCR-14
LB17020-15	06/27/25	00:00	07/01/25	AQ	Water	25061550-015C DUPLICATE
LB17020-16	06/27/25	00:00	07/01/25	AQ	Field Blank Water	25061550-016C FIELD BLANK

Summary of Hits

Page 1 of 2

Job Number: LB17020
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 06/25/25 thru 06/27/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB17020-1	25061550-001C CCR-1					
Lithium		20.4	2.0	0.78	ug/l	SW846 6020A
LB17020-2	25061550-002C CCR-2					
Lithium		21.5	2.0	0.78	ug/l	SW846 6020A
LB17020-3	25061550-003C CCR-3					
Lithium		26.2	2.0	0.78	ug/l	SW846 6020A
LB17020-4	25061550-004C CCR-4					
Lithium		16.9	2.0	0.78	ug/l	SW846 6020A
LB17020-5	25061550-005C CCR-5					
Lithium		18.9	2.0	0.78	ug/l	SW846 6020A
LB17020-6	25061550-006C CCR-6					
Lithium		13.3	2.0	0.78	ug/l	SW846 6020A
LB17020-7	25061550-007C CCR-7					
Lithium		14.5	2.0	0.78	ug/l	SW846 6020A
LB17020-8	25061550-008C CCR-8					
Lithium		36.0	2.0	0.78	ug/l	SW846 6020A
LB17020-9	25061550-009C CCR-9					
Lithium		13.2	2.0	0.78	ug/l	SW846 6020A
LB17020-10	25061550-010C CCR-10					
Lithium		42.6	2.0	0.78	ug/l	SW846 6020A
LB17020-11	25061550-011C CCR-11					
Lithium		8.2	2.0	0.78	ug/l	SW846 6020A

Summary of Hits

Job Number: LB17020
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 06/25/25 thru 06/27/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB17020-12	25061550-012C	CCR-12				
Lithium		26.2	2.0	0.78	ug/l	SW846 6020A
LB17020-13	25061550-013C	CCR-13				
Lithium		28.0	2.0	0.78	ug/l	SW846 6020A
LB17020-14	25061550-014C	CCR-14				
Lithium		15.4	2.0	0.78	ug/l	SW846 6020A
LB17020-15	25061550-015C	DUPLICATE				
Lithium		14.8	2.0	0.78	ug/l	SW846 6020A
LB17020-16	25061550-016C	FIELD BLANK				
Lithium		2.5	2.0	0.78	ug/l	SW846 6020A

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	25061550-001C CCR-1	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-1	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	20.4	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-002C CCR-2	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-2	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	21.5	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-003C CCR-3	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-3	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	26.2	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-004C CCR-4	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-4	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	16.9	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-005C CCR-5	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-5	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	18.9	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-006C CCR-6	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-6	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	13.3	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-007C CCR-7	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-7	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	14.5	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-008C CCR-8	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-8	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	36.0	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-009C CCR-9	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-9	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	13.2	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-010C CCR-10	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-10	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	42.6	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-011C CCR-11	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-11	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	8.2	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-012C CCR-12	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-12	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	26.2	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-013C CCR-13	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-13	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	28.0	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-014C CCR-14	Date Sampled:	06/25/25
Lab Sample ID:	LB17020-14	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	15.4	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-015C DUPLICATE	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-15	Date Received:	07/01/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	14.8	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	25061550-016C FIELD BLANK	Date Sampled:	06/27/25
Lab Sample ID:	LB17020-16	Date Received:	07/01/25
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	2.5	2.0	0.78	ug/l	1	07/02/25	07/08/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30222
(2) Prep QC Batch: MP30989

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY RECORD

Omega COCID 19583

PAGE: 1

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6340
Website: www.element.com

LB17020

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest- Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS: Testing for Li			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775		FAX: (337) 237-8005		EMAIL:			
ACCOUNT #:		PO #: ELA 056956 PO					
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	25061550-001C 6020_W_SUB (SW6020A)	CCR-1	250HDPEHNO3	Aqueous	6/27/2025 2:30:00 PM	1	
2	25061550-002C 6020_W_SUB (SW6020A)	CCR-2	250HDPEHNO3	Aqueous	6/27/2025 2:00:00 PM	1	
3	25061550-003C 6020_W_SUB (SW6020A)	CCR-3	250HDPEHNO3	Aqueous	6/27/2025 1:20:00 PM	1	
4	25061550-004C 6020_W_SUB (SW6020A)	CCR-4	250HDPEHNO3	Aqueous	6/27/2025 3:25:00 PM	1	
5	25061550-005C 6020_W_SUB (SW6020A)	CCR-5	250HDPEHNO3	Aqueous	6/27/2025 4:20:00 PM	1	
6	25061550-006C 6020_W_SUB (SW6020A)	CCR-6	250HDPEHNO3	Aqueous	6/27/2025 5:10:00 PM	1	
7	25061550-007C 6020_W_SUB (SW6020A)	CCR-7	250HDPEHNO3	Aqueous	6/27/2025 6:00:00 PM	1	
8	25061550-008C 6020_W_SUB (SW6020A)	CCR-8	250HDPEHNO3	Aqueous	6/27/2025 4:15:00 PM	1	
9	25061550-009C 6020_W_SUB (SW6020A)	CCR-9	250HDPEHNO3	Aqueous	6/25/2025 3:30:00 PM	1	

Relinquished By: <i>[Signature]</i>	Date: 6-1-25	Time: 15:30	Received By: <i>[Signature]</i>	Date: 6-1-25	Time: 15:30	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By: <i>[Signature]</i>	Date: 6-1-25	Time: 16:00	Received By: <i>[Signature]</i>	Date: 6-1-25	Time: 16:00	FOR LAB USE ONLY Temp of samples: 54 (29.2°C) <i>[Handwritten]</i> Comments: Client DIO NO CBS <i>[Handwritten]</i>	
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐							
Note: RUSH requests will incur surcharges!							

LB17020: Chain of Custody

Page 1 of 3



CHAIN OF CUSTODY RECORD

Omega COCID 19583

PAGE: 2

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB17020

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS-Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 500 Ambassador Caffery Parkway		Testing for Li					
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: PO #: ELA 056956 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	25061550-010C	CCR-10	250HDPEHNO3	Aqueous	6/25/2025 3:00:00 PM	1	
	6020_W_SUB (SW6020A)						
11	25061550-011C	CCR-11	250HDPEHNO3	Aqueous	6/25/2025 6:55:00 PM	1	
	6020_W_SUB (SW6020A)						
12	25061550-012C	CCR-12	250HDPEHNO3	Aqueous	6/25/2025 6:05:00 PM	1	
	6020_W_SUB (SW6020A)						
13	25061550-013C	CCR-13	250HDPEHNO3	Aqueous	6/25/2025 5:10:00 PM	1	
	6020_W_SUB (SW6020A)						
14	25061550-014C	CCR-14	250HDPEHNO3	Aqueous	6/25/2025	1	
	6020_W_SUB (SW6020A)						
15	25061550-015C	Duplicate	250HDPEHNO3	Aqueous	6/27/2025	1	
	6020_W_SUB (SW6020A)						
16	25061550-016C	Field Blank	250HDPEHNO3	Aqueous	6/27/2025	1	
	6020_W_SUB (SW6020A)						

Relinquished By: [Signature]	Date: 6-1-25	Time: 15:30	Received By: [Signature]	Date: 6-1-25	Time: 15:30	REPORT TRANSMITTAL DESIRED: ☐ HARD COPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
Relinquished By: [Signature]	Date: 6-1-25	Time: 16:00	Received By: [Signature]	Date: 6-1-25	Time: 16:00	FOR LAB USE ONLY Temp of samples: 5.4 Attempt to Cool? [Signature] Comments:	
TAT: Standard ☐ RUSH ☒ Next BD ☒ 2nd BD ☐ 3rd BD ☐ Note: RUSH requests will incur surcharges!							

LB17020: Chain of Custody

Page 2 of 3

SGS Sample Receipt Summary

Job Number: LB17020

Client: ELEMENT

Project: ELEMENT

Date / Time Received: 7/1/2025 4:00:00 PM

Delivery Method: CLIENT D/O

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (5.4);

Cooler Temps (Corrected) °C: Cooler 1: (5.4);

Cooler SecurityY or NY or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler TemperatureY or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | | |
| 3. Cooler media: | Ice (direct contact) | |
| 4. No. Coolers: | 1 | |

Quality Control PreservationY or NN/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - DocumentationY or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - ConditionY or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - InstructionsY or NN/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

LB17020: Chain of Custody

Page 3 of 3

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB17020
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 07/02/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	.14	49		
Antimony	1.0	.0022	.79		
Arsenic	1.0	.0079	.57		
Barium	1.0	.0041	.63		
Beryllium	1.0	.0035	.75		
Boron	20	.43	6.3		
Cadmium	0.50	.0016	.49		
Calcium	200	4.3	110		
Cerium	1.0	.0015	.76		
Chromium	1.0	.016	.53		
Cobalt	1.0	.0016	.66		
Copper	1.0	.008	.41		
Iron	100	.097	45		
Lithium	2.0	.012	.78	0.018	<2.0
Lead	1.0	.01	.72		
Lanthanum	1.0	.0017	.72		
Magnesium	100	.16	33		
Manganese	2.0	.0091	.57		
Molybdenum	1.0	.0038	.61		
Nickel	1.0	.0038	.52		
Potassium	100	2.5	65		
Selenium	1.0	.15	.15		
Silver	1.0	.0024	.38		
Silicon	500	4.2	93		
Sodium	100	2.2	37		
Strontium	2.0	.0054	.42		
Thallium	1.0	.0023	.79		
Tin	1.0	.02	.065		
Titanium	1.0	.021	.57		
Uranium	1.0	.0019	.42		
Vanadium	1.0	.0087	.36		
Zinc	1.0	.017	.1		

Associated samples MP30989: LB17020-1, LB17020-2, LB17020-3, LB17020-4, LB17020-5, LB17020-6, LB17020-7, LB17020-8, LB17020-9, LB17020-10, LB17020-11, LB17020-12, LB17020-13, LB17020-14, LB17020-15, LB17020-16

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB17020
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 07/02/25

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.1
5

5.1.2

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Units: ug/l

07/02/25

Associated samples MP30989: LB17020-1, LB17020-2, LB17020-3, LB17020-4, LB17020-5, LB17020-6, LB17020-7, LB17020-8, LB17020-9, LB17020-10, LB17020-11, LB17020-12, LB17020-13, LB17020-14, LB17020-15, LB17020-16

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB17020
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 07/02/25

Metal	LB17020-1 Original MS	Spike lot MPICPMS6 % Rec	QC Limits
-------	--------------------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB17020
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 07/02/25

Metal	LB17020-1 Original	MSD	SpikeLot MPICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Cerium						
Chromium						
Cobalt						
Copper						
Iron						
Lithium	20.4	108	100	87.6	4.7	20
Lead						
Lanthanum						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Silicon						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP30989: LB17020-1, LB17020-2, LB17020-3, LB17020-4, LB17020-5, LB17020-6, LB17020-7, LB17020-8, LB17020-9, LB17020-10, LB17020-11, LB17020-12, LB17020-13, LB17020-14, LB17020-15, LB17020-16

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB17020
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 07/02/25

Metal	LB17020-1 Original MSD	Spike lot MPICPMS6 % Rec	MSD RPD	QC Limit
-------	---------------------------	-----------------------------	------------	-------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

5.1.3

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Units: ug/l

07/02/25



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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LB17020

Account: SLLAL - Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989

Methods: SW846 6020A

Matrix Type: AQUEOUS

Units: ug/l

Prep Date: 07/02/25

Metal	BSP Result	Spike lot MPICPMS6 % Rec	QC Limits
-------	---------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB17020
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 07/02/25

Metal	LB17020-1 Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Cerium				
Chromium				
Cobalt				
Copper				
Iron				
Lithium	20.4	23.3	14.4*(a)	0-10
Lead				
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP30989: LB17020-1, LB17020-2, LB17020-3, LB17020-4, LB17020-5, LB17020-6, LB17020-7, LB17020-8, LB17020-9, LB17020-10, LB17020-11, LB17020-12, LB17020-13, LB17020-14, LB17020-15, LB17020-16

5.1.4

5

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB17020
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP30989
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 07/02/25

Metal	LB17020-1		QC Limits
	Original	SDL 1:5 %DIF	

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

5.1.4

5



- ☐ 2203 S. Madison St., Muncie, IN 47302
765-747-9000/800-874-3563 Fax 765-747-0228
- ☐ 629 Washington St., Suite 300, Columbus, IN 47201
812-375-0531 Fax 812-375-0531
- ☐ 5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

- ☒ 2417 W. Pinhook Rd, Lafayette, LA 70508
337-235-0483/800-737-2378
Fax 337-233-6540
- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Page 1 of 2

Chain of Custody Record

Laboratory Number ASD6/1550

Collection		Grab	Comp	Sample Identification / Description	Preserv. HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃	Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks
Date	Time							300: Fluoride	*6010/**6020 metals	***6020 Sub	7470 Mercury							
6-27-25	14:30	X		C C R - 1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							*6010 Metals: Ba, Be, Cd, Cr, Co, Pb, Mo, Se
6-27-25	14:00	X		C C R - 2	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-27-25	13:20	X		C C R - 3	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							**6020 Metals: As, Sb, Ti
6-27-25	15:25	X		C C R - 4	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-27-25	15:55	X		C C R - 5	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							***6020 Sub Metal: Li
6-27-25	16:20	X		C C R - 6	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-27-25	17:10	X		C C R - 7	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-27-25	18:00	X		C C R - 8	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-25-25	16:15	X		C C R - 9	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
6-25-25	15:30	X		C C R - 10	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							UPS / FedEx Airborne / Element Hand / Mail

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O. Number

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-30-25</u>	Time <u>1115</u>	Relinquished by: (Signature)	Received by: (Signature)	Date	Time		
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature) <u>[Signature]</u>	Received by: Laboratory (Signature) <u>[Signature]</u>	Date <u>6-30-25</u>	Time <u>1500</u>		
Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial		Shipping Conditions ☒ Iced <u>3.6</u> Temp. ☐ Ambient		Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other		Thank-you for using Element Materials Technology	



- ☐ 2203 S. Madison St., Muncie, IN 47302
765-747-9000/800-874-3563 Fax 765-747-0228
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- ☒ 2417 W. Pinhook Rd, Lafayette, LA 70508
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- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Page 2 of 2

Chain of Custody Record

Laboratory Number 05061550

Collection		Grab	Comp	Sample Identification / Description	Preserv. HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃	Number / Type of Container	Matrix Code	Test Requested							Comments / Remarks	
Date	Time							300: Fluoride	*6010/**6020 metals	***6020 Sub	7470 Mercury					
6-25-25	15:00	X		C C R - 1 1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					*6010 Metals: Ba, Be, Cd, Cr, Co, Pb, Mo, Se
6-25-25	18:55	X		C C R - 1 2	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					
6-25-25	18:05	X		C C R - 1 3	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					**6020 Metals: As, Sb, Ti
6-25-25	17:10	X		C C R - 1 4	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					
		X		M S (CCR-)	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					***6020 Sub Metal: Li
		X		M S D (CCR-)	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					
		X		D U P	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					
		X		F B 1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X					
																UPS / FedEx Airborne Element Hand / Mail

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O.
Number

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date 6-30-25	Time 1115	Relinquished by: (Signature)	Received by: (Signature)	Date	Time		
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature) <u>[Signature]</u>	Received by Laboratory: (Signature) <u>[Signature]</u>	Date 6-30-25	Time 1500		
Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial		Shipping Conditions ☒ Iced <u>19.6</u> Temp. <u>3.6</u> ☐ Ambient		Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other		Thank-you for using Element Materials Technology	



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

July 16, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: Entergy: CCR Detection Monitoring

Order No.: 25061548

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 6/30/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Buffy Bryant
Customer Service Supervisor



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 25061548
Date: 7/16/2025

CLIENT: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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Analytical Report

(consolidated)

WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 2:30:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	44.2	2.50		mg/L	10	7/2/2025 7:14:21 AM
Fluoride	0.283	0.0500		mg/L	1	7/1/2025 9:50:31 AM
Sulfate	3.47	0.250		mg/L	1	7/1/2025 9:50:31 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:17:00 PM
Calcium	26.2	0.500		mg/L	1	7/7/2025 6:17:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	273	10.0		mg/L	1	7/1/2025 9:40:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 2:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	60.1	2.50		mg/L	10	7/2/2025 7:29:08 AM
Fluoride	0.352	0.0500		mg/L	1	7/1/2025 10:05:19 AM
Sulfate	1.59	0.250		mg/L	1	7/1/2025 10:05:19 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:20:00 PM
Calcium	21.5	0.500		mg/L	1	7/7/2025 6:20:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	256	10.0		mg/L	1	7/1/2025 9:44:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 1:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	133	2.50		mg/L	10	7/2/2025 7:43:55 AM
Fluoride	0.386	0.0500		mg/L	1	7/1/2025 10:20:06 AM
Sulfate	3.19	0.250		mg/L	1	7/1/2025 10:20:06 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:23:00 PM
Calcium	32.7	0.500		mg/L	1	7/7/2025 6:23:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	401	10.0		mg/L	1	7/1/2025 9:49:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 3:25:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	39.7	2.50		mg/L	10	7/2/2025 7:58:44 AM
Fluoride	0.222	0.0500		mg/L	1	7/1/2025 10:34:54 AM
Sulfate	15.9	0.250		mg/L	1	7/1/2025 10:34:54 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.121	0.100		mg/L	1	7/7/2025 6:26:00 PM
Calcium	21.5	0.500		mg/L	1	7/7/2025 6:26:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	264	10.0		mg/L	1	7/1/2025 9:53:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 3:55:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	64.4	2.50		mg/L	10	7/2/2025 8:13:31 AM
Fluoride	0.259	0.0500		mg/L	1	7/1/2025 10:49:41 AM
Sulfate	< 0.250	0.250		mg/L	1	7/1/2025 10:49:41 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.121	0.100		mg/L	1	7/7/2025 6:29:00 PM
Calcium	35.7	0.500		mg/L	1	7/7/2025 6:29:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	411	10.0		mg/L	1	7/1/2025 9:58:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 4:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	83.2	2.50		mg/L	10	7/2/2025 8:28:19 AM
Fluoride	0.267	0.0500		mg/L	1	7/1/2025 11:04:29 AM
Sulfate	< 0.250	0.250		mg/L	1	7/1/2025 11:04:29 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.114	0.100		mg/L	1	7/7/2025 6:32:00 PM
Calcium	29.8	0.500		mg/L	1	7/7/2025 6:32:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	318	10.0		mg/L	1	7/1/2025 10:07:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 5:10:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	69.8	2.50		mg/L	10	7/2/2025 8:43:06 AM
Fluoride	0.295	0.0500		mg/L	1	7/1/2025 11:19:17 AM
Sulfate	< 0.250	0.250		mg/L	1	7/1/2025 11:19:17 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.104	0.100		mg/L	1	7/7/2025 6:35:00 PM
Calcium	48.8	0.500		mg/L	1	7/7/2025 6:35:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	343	10.0		mg/L	1	7/1/2025 10:11:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025 6:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	83.7	2.50		mg/L	10	7/2/2025 8:57:53 AM
Fluoride	0.156	0.0500		mg/L	1	7/1/2025 11:34:04 AM
Sulfate	2.24	0.250		mg/L	1	7/1/2025 11:34:04 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:37:00 PM
Calcium	12.6	0.500		mg/L	1	7/7/2025 6:37:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	289	10.0		mg/L	1	7/1/2025 10:16:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 4:15:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	59.2	2.50		mg/L	10	7/2/2025 9:42:15 AM
Fluoride	0.597	0.0500		mg/L	1	7/1/2025 11:48:52 AM
Sulfate	5.81	0.250		mg/L	1	7/1/2025 11:48:52 AM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:40:00 PM
Calcium	31.7	0.500		mg/L	1	7/7/2025 6:40:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	343	10.0		mg/L	1	7/1/2025 10:21:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 3:30:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	41.1	2.50		mg/L	10	7/2/2025 9:57:03 AM
Fluoride	0.611	0.0500		mg/L	1	7/1/2025 12:03:40 PM
Sulfate	3.70	0.250		mg/L	1	7/1/2025 12:03:40 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:49:00 PM
Calcium	29.3	0.500		mg/L	1	7/7/2025 6:49:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	314	10.0		mg/L	1	7/1/2025 10:27:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 3:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	25.0	2.50		mg/L	10	7/2/2025 10:11:50 AM
Fluoride	0.709	0.0500		mg/L	1	7/1/2025 12:48:02 PM
Sulfate	3.06	0.250		mg/L	1	7/1/2025 12:48:02 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:52:00 PM
Calcium	31.1	0.500		mg/L	1	7/7/2025 6:52:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	241	10.0		mg/L	1	7/1/2025 10:35:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 6:55:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	18.4	0.250		mg/L	1	7/1/2025 1:02:49 PM
Fluoride	0.126	0.0500		mg/L	1	7/1/2025 1:02:49 PM
Sulfate	20.4	0.250		mg/L	1	7/1/2025 1:02:49 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:55:00 PM
Calcium	23.2	0.500		mg/L	1	7/7/2025 6:55:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	185	10.0		mg/L	1	7/1/2025 10:40:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 6:05:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	13.3	0.250		mg/L	1	7/1/2025 1:17:37 PM
Fluoride	0.186	0.0500		mg/L	1	7/1/2025 1:17:37 PM
Sulfate	1.71	0.250		mg/L	1	7/1/2025 1:17:37 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 6:58:00 PM
Calcium	22.4	0.500		mg/L	1	7/7/2025 6:58:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	164	10.0		mg/L	1	7/1/2025 10:45:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/25/2025 5:10:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	11.9	0.250		mg/L	1	7/1/2025 1:32:24 PM
Fluoride	0.168	0.0500		mg/L	1	7/1/2025 1:32:24 PM
Sulfate	1.09	0.250		mg/L	1	7/1/2025 1:32:24 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 7:00:00 PM
Calcium	17.8	0.500		mg/L	1	7/7/2025 7:00:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	153	10.0		mg/L	1	7/1/2025 10:52:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

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WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0		Analyst: BXB
Chloride	11.5	0.250		mg/L	1	7/1/2025 1:47:11 PM
Fluoride	0.165	0.0500		mg/L	1	7/1/2025 1:47:11 PM
Sulfate	1.10	0.250		mg/L	1	7/1/2025 1:47:11 PM
METALS IN WATER BY ICP, TOTALS				SW6010B		Analyst: IO
Boron	< 0.100	0.100		mg/L	1	7/7/2025 7:03:00 PM
Calcium	17.2	0.500		mg/L	1	7/7/2025 7:03:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C		Analyst: NV
Total Dissolved Solids (Residue, Filterable)	151	10.0		mg/L	1	7/1/2025 2:32:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



Element Materials Technology Lafayette
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Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25061548

Date Reported 7/16/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 6/27/2025
Project: Entergy: CCR Detection Monitoring
Lab ID: 25061548-016 **Matrix:** AQUEOUS
Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	2.48	0.250		mg/L	1	7/1/2025 2:31:34 PM
Fluoride	< 0.0500	0.0500		mg/L	1	7/1/2025 2:31:34 PM
Sulfate	< 0.250	0.250		mg/L	1	7/1/2025 2:31:34 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	7/7/2025 7:06:00 PM
Calcium	20.2	0.500		mg/L	1	7/7/2025 7:06:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: NV	
Total Dissolved Solids (Residue, Filterable)	222	10.0		mg/L	1	7/1/2025 2:34:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25061548

16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: 62410

Sample ID: MB-62410	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242
Client ID: PBW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734091
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Boron	< 0.100	0.100			
Calcium	< 0.500	0.500			

Sample ID: LCS-62410	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242
Client ID: LCSW	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734092
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Boron	0.519	0.100	0.5000	0	104	80	120			
Calcium	50.6	0.500	50.00	0	101	80	120			

Sample ID: LCSD-62410	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242
Client ID: LCSS02	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734093
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Boron	0.526	0.100	0.5000	0	105	80	120	0.5192	1.38	20
Calcium	51.0	0.500	50.00	0	102	80	120	50.57	0.931	20

Sample ID: 25061493-001FMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734095
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Boron	1.22	0.100	0.5000	0.6933	106	75	125			
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Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	M Matrix Interference
	ND Not Detected at the Reporting Limit	RL Reporting Limit	S Spike Recovery outside accepted recovery limits
	SDL Sample detection limit	U Analyte not detected	W Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25061548
16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: 62410

Sample ID: 25061493-001FMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734095						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	55.0	0.500	50.00	3.563	103	75	125				
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Sample ID: 25061493-001FMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 7/1/2025	RunNo: 152242						
Client ID: ZZZZZZ	Batch ID: 62410	TestNo: SW6010B		Analysis Date: 7/7/2025	SeqNo: 3734098						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	1.23	0.100	0.5000	0.6933	108	75	125	1.222	1.05	20	
Calcium	55.5	0.500	50.00	3.563	104	75	125	54.96	1.02	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25061548

16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152017

Sample ID: LCS-R152017	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 152017						
Client ID: LCSW	Batch ID: R152017	TestNo: SM2540C		Analysis Date: 6/30/2025	SeqNo: 3729009						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	978	10.0	1,000	0	97.8	85	115				
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Sample ID: LCSD-R152017	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152017		
Client ID: LCSS02	Batch ID: R152017	TestNo: SM2540C	Analysis Date: 6/30/2025					SeqNo: 3729010			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	964	10.0	1,000	0	96.4	85	115	978.0	1.44	10	
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Sample ID: MB-R152017	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152017		
Client ID: PBW	Batch ID: R152017	TestNo: SM2540C	Analysis Date: 6/30/2025					SeqNo: 3729011			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	< 10.0	10.0									
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Sample ID: 25061375-001ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152017		
Client ID: ZZZZZZ	Batch ID: R152017	TestNo: SM2540C	Analysis Date: 6/30/2025					SeqNo: 3729013			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	40,500	1,000						41,400	2.20	10	
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25061548
16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152017

Sample ID: 25061375-001ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 152017						
Client ID: ZZZZZZ	Batch ID: R152017	TestNo: SM2540C		Analysis Date: 6/30/2025	SeqNo: 3729013						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 25061502-001CDUP		SampType: DUP		TestCode: TDS_2540C		Units: mg/L		Prep Date:		RunNo: 152017			
Client ID: ZZZZZZ		Batch ID: R152017		TestNo: SM2540C				Analysis Date: 6/30/2025		SeqNo: 3730039			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)		2,220		50.0						2,310	4.20	10	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25061548

16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152081

Sample ID: MB-R152081	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152081		
Client ID: PBW	Batch ID: R152081	TestNo: SM2540C	Analysis Date: 7/1/2025					SeqNo: 3730274			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) < 10.0 10.0

Sample ID: LCS-R152081	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152081		
Client ID: LCSW	Batch ID: R152081	TestNo: SM2540C	Analysis Date: 7/1/2025					SeqNo: 3730275			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 981 10.0 1,000 0 98.1 85 115

Sample ID: LCSD-R152081	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 152081		
Client ID: LCSS02	Batch ID: R152081	TestNo: SM2540C	Analysis Date: 7/1/2025					SeqNo: 3730276			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 991 10.0 1,000 0 99.1 85 115 981.0 1.01 10

Sample ID: 25070012-001DDUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 152081						
Client ID: ZZZZZZ	Batch ID: R152081	TestNo: SM2540C		Analysis Date: 7/1/2025	SeqNo: 3730291						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 1,160 50.0 1,175 0.855 10

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded M Matrix Interference
ND Not Detected at the Reporting Limit RL Reporting Limit S Spike Recovery outside accepted recovery limits
SDL Sample detection limit U Analyte not detected W Sample container temperature is out of limit as s



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QC SUMMARY REPORT

WO#: 25061548
16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152081

Sample ID: 25070012-001DDUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 152081						
Client ID: ZZZZZZ	Batch ID: R152081	TestNo: SM2540C		Analysis Date: 7/1/2025	SeqNo: 3730291						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 25070023-001DDUP		SampType: DUP		TestCode: TDS_2540C		Units: mg/L		Prep Date:			RunNo: 152081		
Client ID: ZZZZZZ		Batch ID: R152081		TestNo: SM2540C		Analysis Date: 7/1/2025			SeqNo: 3730293				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)		1,140		50.0						1,150	1.31	10	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
RL Reporting Limit
U Analyte not detected

M Matrix Interference
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sj



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QC SUMMARY REPORT

WO#: 25061548
16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152155

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: PBW	Batch ID: R152155	TestNo: E 300.0		Analysis Date: 7/1/2025	SeqNo: 3730920						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 0.250	0.250									
Fluoride	< 0.0500	0.0500									
Sulfate	< 0.250	0.250									

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: LCSW	Batch ID: R152155	TestNo: E 300.0	Analysis Date: 7/1/2025	SeqNo: 3730921							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.1	0.250	10.00	0	101	90	110				
Fluoride	2.02	0.0500	2.000	0	101	90	110				
Sulfate	10.1	0.250	10.00	0	101	90	110				

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: LCSS02	Batch ID: R152155	TestNo: E 300.0		Analysis Date: 7/1/2025	SeqNo: 3730922						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.1	0.250	10.00	0	101	90	110	10.11	0.0320	15	
Fluoride	2.02	0.0500	2.000	0	101	90	110	2.020	0.0932	15	
Sulfate	10.1	0.250	10.00	0	101	90	110	10.06	0.136	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as s



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QC SUMMARY REPORT

WO#: 25061548

16-Jul-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R152155

Sample ID: 25061548-015ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: Duplicate	Batch ID: R152155	TestNo: E 300.0	Analysis Date: 7/2/2025	SeqNo: 3730944							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	37.0	1.25	25.00	12.61	97.7	80	120				
Fluoride	4.98	0.250	5.000	0.1255	97.1	80	120				
Sulfate	25.1	1.25	25.00	0.9245	96.8	80	120				

Sample ID: 25061548-015amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: Duplicate	Batch ID: R152155	TestNo: E 300.0	Analysis Date: 7/2/2025	SeqNo: 3730945							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	37.2	1.25	25.00	12.61	98.4	80	120	37.04	0.482	15	
Fluoride	4.97	0.250	5.000	0.1255	96.9	80	120	4.981	0.234	15	
Sulfate	25.2	1.25	25.00	0.9245	97.0	80	120	25.12	0.192	15	

Sample ID: 25061548-016ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: Field Blank	Batch ID: R152155	TestNo: E 300.0	Analysis Date: 7/2/2025	SeqNo: 3730947							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	37.8	1.25	25.00	13.10	98.7	80	120				
Fluoride	5.11	0.250	5.000	0.2097	98.0	80	120				
Sulfate	26.1	1.25	25.00	1.703	97.7	80	120				

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
SDL Sample detection limit

H Holding times for preparation or analysis exceeded
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QC SUMMARY REPORT

WO#: 25061548

16-Jul-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R152155

Sample ID: 25061548-016amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 152155						
Client ID: Field Blank	Batch ID: R152155	TestNo: E 300.0	Analysis Date: 7/2/2025	SeqNo: 3730948							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	37.7	1.25	25.00	13.10	98.6	80	120	37.77	0.0590	15	
Fluoride	5.13	0.250	5.000	0.2097	98.4	80	120	5.108	0.462	15	
Sulfate	26.2	1.25	25.00	1.703	97.8	80	120	26.14	0.0874	15	

Qualifiers:

E Value above quantitation range
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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25061548**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **6/30/2025 3:00:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **6/30/2025 3:29:45 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **7/15/2025 2:15:50 PM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Not Present			



Laboratory Number 25061549

Client Name: Pivotal Engineering LLC						Project: CCR Detection Monitoring						Preserv.		Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks					
Contact Name: Terry Elnaggar												HCl	HNO ₃			H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	TDS	300: Cl, F, SO ₄	6010 metals*										
Phone/Fax: (504) 799-3653						Sampler's Signature: Bryan B. Smith																									
Collection		Grab	Comp	Sample Identification / Description																											
Date	Time			C	C	R	-																								
6-27-25	14:30	X		C	C	R	-	1				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	14:00	X		C	C	R	-	2				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	13:20	X		C	C	R	-	3				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	15:25	X		C	C	R	-	4				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	15:55	X		C	C	R	-	5				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	16:20	X		C	C	R	-	6				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	17:10	X		C	C	R	-	7				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-27-25	18:00	X		C	C	R	-	8				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-25-25	16:15	X		C	C	R	-	9				None/ HNO ₃	2 Plastic	Aq	X	X	X														
6-25-25	15:30	X		C	C	R	-	10				None/ HNO ₃	2 Plastic	Aq	X	X	X														

*6010 Metals: B, Ca

UPS / FedEx Airborne
Element Hand / Mail

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O. Number

Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Bryan B. Smith	Robert Bennett	6-30-25	11:15	Robert Bennett	Robert Bennett	6-30-25	15:00

Matrix Codes

DW = Drinking Water AQ = Aqueous LIQ = Liquid

GW = Ground Water O = Oil SLD = Solid

WW = Waste Water SO = Soil SL = Sludge

Container Types

G = Glass

P = Plastic

V = Vial

Shipping Conditions

☒ Iced ☐ Ambient

Temp. 3.6 °C

Requested TAT

☐ 24-Hr. ☐ 72-Hr.

☐ 48-Hr. ☒ Standard

☐ Other _____

Page 29 of 30

Thank-you for using Element Materials Technology



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October 10, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: Entergy: CCR Detection Monitoring

Order No.: 25091362

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 15 sample(s) on 9/26/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Buffy Bryant
Customer Service Supervisor



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Case Narrative

WO#: 25091362
Date: 10/10/2025

CLIENT: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 3:30:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	44.4	2.50		mg/L	10	9/29/2025 4:26:27 PM
Fluoride	0.252	0.0500		mg/L	1	9/29/2025 12:04:25 PM
Sulfate	2.87	0.250		mg/L	1	9/29/2025 12:04:25 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 3:45:00 PM
Calcium	26.0	0.500		mg/L	1	9/30/2025 3:45:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	266	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 2:45:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	65.6	2.50		mg/L	10	9/29/2025 5:07:48 PM
Fluoride	0.316	0.0500		mg/L	1	9/29/2025 12:18:12 PM
Sulfate	1.31	0.250		mg/L	1	9/29/2025 12:18:12 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 3:48:00 PM
Calcium	22.4	0.500		mg/L	1	9/30/2025 3:48:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	279	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 1:55:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	118	5.00		mg/L	20	9/30/2025 3:23:58 AM
Fluoride	0.340	0.0500		mg/L	1	9/29/2025 12:31:59 PM
Sulfate	2.74	0.250		mg/L	1	9/29/2025 12:31:59 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 3:55:00 PM
Calcium	35.2	0.500		mg/L	1	9/30/2025 3:55:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	410	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 7:15:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	42.2	2.50		mg/L	10	9/30/2025 3:37:31 AM
Fluoride	0.192	0.0500		mg/L	1	9/29/2025 12:45:46 PM
Sulfate	15.3	0.250		mg/L	1	9/29/2025 12:45:46 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.113	0.100		mg/L	1	9/30/2025 3:57:00 PM
Calcium	22.0	0.500		mg/L	1	9/30/2025 3:57:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	283	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 7:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	54.2	2.50		mg/L	10	9/30/2025 3:51:19 AM
Fluoride	0.131	0.0500		mg/L	1	9/29/2025 12:59:34 PM
Sulfate	< 0.250	0.250		mg/L	1	9/29/2025 12:59:34 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.106	0.100		mg/L	1	9/30/2025 3:59:00 PM
Calcium	33.7	0.500		mg/L	1	9/30/2025 3:59:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	409	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 6:40:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	83.7	2.50		mg/L	10	9/30/2025 4:05:07 AM
Fluoride	0.236	0.0500		mg/L	1	9/29/2025 1:13:21 PM
Sulfate	< 0.250	0.250		mg/L	1	9/29/2025 1:13:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.108	0.100		mg/L	1	9/30/2025 4:02:00 PM
Calcium	30.2	0.500		mg/L	1	9/30/2025 4:02:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	289	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 5:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	76.7	2.50		mg/L	10	9/30/2025 4:18:55 AM
Fluoride	0.259	0.0500		mg/L	1	9/29/2025 1:27:10 PM
Sulfate	< 0.250	0.250		mg/L	1	9/29/2025 1:27:10 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:04:00 PM
Calcium	48.6	0.500		mg/L	1	9/30/2025 4:04:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	324	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 4:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	80.8	2.50		mg/L	10	9/30/2025 4:32:42 AM
Fluoride	0.0764	0.0500		mg/L	1	9/29/2025 1:40:57 PM
Sulfate	2.00	0.250		mg/L	1	9/29/2025 1:40:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 3:38:00 PM
Calcium	12.9	0.500		mg/L	1	9/30/2025 3:38:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	313	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 11:05:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	64.5	2.50		mg/L	10	9/30/2025 4:46:29 AM
Fluoride	0.421	0.0500		mg/L	1	9/29/2025 1:54:45 PM
Sulfate	5.39	0.250		mg/L	1	9/29/2025 1:54:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:07:00 PM
Calcium	30.7	0.500		mg/L	1	9/30/2025 4:07:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	351	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 10:30:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	42.1	2.50		mg/L	10	9/30/2025 5:00:16 AM
Fluoride	0.511	0.0500		mg/L	1	9/29/2025 2:08:32 PM
Sulfate	2.07	0.250		mg/L	1	9/29/2025 2:08:32 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:09:00 PM
Calcium	30.3	0.500		mg/L	1	9/30/2025 4:09:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	314	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 9:40:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	24.9	2.50		mg/L	10	9/30/2025 5:14:04 AM
Fluoride	0.647	0.0500		mg/L	1	9/29/2025 2:49:55 PM
Sulfate	2.46	0.250		mg/L	1	9/29/2025 2:49:55 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:11:00 PM
Calcium	31.1	0.500		mg/L	1	9/30/2025 4:11:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	236	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 9:00:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	18.0	0.250		mg/L	1	9/29/2025 3:03:43 PM
Fluoride	0.119	0.0500		mg/L	1	9/29/2025 3:03:43 PM
Sulfate	18.0	0.250		mg/L	1	9/29/2025 3:03:43 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:14:00 PM
Calcium	22.5	0.500		mg/L	1	9/30/2025 4:14:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	171	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 8:25:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0		Analyst: BXB
Chloride	13.1	0.250		mg/L	1	9/29/2025 3:17:30 PM
Fluoride	0.210	0.0500		mg/L	1	9/29/2025 3:17:30 PM
Sulfate	0.476	0.250		mg/L	1	9/29/2025 3:17:30 PM
METALS IN WATER BY ICP, TOTALS				SW6010B		Analyst: IO
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:16:00 PM
Calcium	24.8	0.500		mg/L	1	9/30/2025 4:16:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C		Analyst: SAR
Total Dissolved Solids (Residue, Filterable)	165	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 7:55:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	12.2	0.250		mg/L	1	9/29/2025 3:31:18 PM
Fluoride	0.144	0.0500		mg/L	1	9/29/2025 3:31:18 PM
Sulfate	0.803	0.250		mg/L	1	9/29/2025 3:31:18 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:23:00 PM
Calcium	17.7	0.500		mg/L	1	9/30/2025 4:23:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	156	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091362

Date Reported 10/10/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 10:30:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25091362-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	41.9	2.50		mg/L	10	9/30/2025 5:27:52 AM
Fluoride	0.494	0.0500		mg/L	1	9/29/2025 3:45:05 PM
Sulfate	2.12	0.250		mg/L	1	9/29/2025 3:45:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	9/30/2025 4:26:00 PM
Calcium	30.4	0.500		mg/L	1	9/30/2025 4:26:00 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	319	10.0		mg/L	1	9/29/2025 7:18:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25091362

10-Oct-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: 64688

Sample ID: MB-64688	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154873						
Client ID: PBW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805375						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	< 0.100	0.100									
Calcium	< 0.500	0.500									

Sample ID: LCS-64688	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154873						
Client ID: LCSW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805376						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.521	0.100	0.5000	0	104	80	120				
Calcium	51.2	0.500	50.00	0	102	80	120				

Sample ID: LCSD-64688	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154873						
Client ID: LCSS02	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.515	0.100	0.5000	0	103	80	120	0.5149	0	20	
Calcium	50.5	0.500	50.00	0	101	80	120	50.47	0	20	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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QC SUMMARY REPORT

WO#: 25091362

10-Oct-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R154793-2

Sample ID: MB-R154793	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 154793		
Client ID: PBW	Batch ID: R154793-2	TestNo: SM2540C	Analysis Date: 9/29/2025					SeqNo: 3803620			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) < 10.0 10.0

Sample ID: LCS-R154793	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 154793		
Client ID: LCSW	Batch ID: R154793-2	TestNo: SM2540C	Analysis Date: 9/29/2025					SeqNo: 3803621			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 902 10.0 1,000 0 90.2 85 115

Sample ID: LCSD-R154793	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 154793		
Client ID: LCSS02	Batch ID: R154793-2	TestNo: SM2540C	Analysis Date: 9/29/2025					SeqNo: 3803622			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 903 10.0 1,000 0 90.3 85 115 902.0 0.111 10

Sample ID: 25091362-015ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:				RunNo: 154793			
Client ID: Duplicate	Batch ID: R154793-2	TestNo: SM2540C	Analysis Date: 9/29/2025				SeqNo: 3803638				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 318 10.0 319.0 0.314 10

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded M Matrix Interference
ND Not Detected at the Reporting Limit RL Reporting Limit SDL Sample detection limit
U Analyte not detected W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25091362
10-Oct-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R154793-2

Sample ID: 25091362-015ADUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 154793						
Client ID: Duplicate	Batch ID: R154793-2	TestNo: SM2540C	Analysis Date: 9/29/2025	SeqNo: 3803638							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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QC SUMMARY REPORT

WO#: 25091362
10-Oct-25

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R154831

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: PBW	Batch ID: R154831	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803756						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 0.250	0.250									
Fluoride	< 0.0500	0.0500									
Sulfate	< 0.250	0.250									

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: LCSW	Batch ID: R154831	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.0	0.250	10.00	0	100	90	110				
Fluoride	1.99	0.0500	2.000	0	99.4	90	110				
Sulfate	9.52	0.250	10.00	0	95.2	90	110				

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: LCSS02	Batch ID: R154831	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803758						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.1	0.250	10.00	0	101	90	110	10.05	0.721	15	
Fluoride	2.00	0.0500	2.000	0	100	90	110	1.987	0.610	15	
Sulfate	9.56	0.250	10.00	0	95.6	90	110	9.523	0.416	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25091362

10-Oct-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R154831

Sample ID: 25091362-001ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: CCR-1	Batch ID: R154831	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803779						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	92.9	2.50	50.00	44.45	96.8	80	120				
Fluoride	9.31	0.500	10.00	0.2141	91.0	80	120				
Sulfate	46.4	2.50	50.00	0	92.8	80	120				

Sample ID: 25091362-001amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: CCR-1	Batch ID: R154831	TestNo: E 300.0	Analysis Date: 9/29/2025	SeqNo: 3803780							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	92.6	2.50	50.00	44.45	96.3	80	120	92.85	0.284	15	
Fluoride	9.51	0.500	10.00	0.2141	92.9	80	120	9.309	2.11	15	
Sulfate	46.4	2.50	50.00	0	92.8	80	120	46.38	0.0409	15	

Sample ID: 25091362-002ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: CCR-2	Batch ID: R154831	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803782						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	117	2.50	50.00	65.55	103	80	120				
Fluoride	9.84	0.500	10.00	0.2961	95.4	80	120				
Sulfate	46.2	2.50	50.00	0	92.5	80	120				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25091362

10-Oct-25

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R154831

Sample ID: 25091362-002amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154831						
Client ID: CCR-2	Batch ID: R154831	TestNo: E 300.0	Analysis Date: 9/29/2025	SeqNo: 3803783							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	116	2.50	50.00	65.55	101	80	120	117.1	0.849	15	
Fluoride	9.82	0.500	10.00	0.2961	95.2	80	120	9.838	0.177	15	
Sulfate	46.1	2.50	50.00	0	92.1	80	120	46.23	0.383	15	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25091362**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **9/26/2025 3:38:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **9/26/2025 4:29:31 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **10/10/2025 3:22:11 PM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

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

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present			



- ☐ 2203 S. Madison St., Muncie, IN 47302
765-747-9000/800-874-3563 Fax 765-747-0228
- ☐ 629 Washington St., Suite 300, Columbus, IN 47201
812-375-0531 Fax 812-375-0531
- ☐ 5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

- ☒ 2417 W. Pinhook Rd, Lafayette, LA 70508
337-235-0483/800-737-2378
Fax 337-233-6540
- ☐ 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

Page 1 of 2

Chain of Custody Record

Laboratory Number 25091362

Client Name: Pivotal Engineering LLC		Project: CCR Detection Monitoring		Preserv.		Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks	
Contact Name: Terry Elnaggar		Sampler's Signature: <u>TE</u>		HCl HNO ₃ H ₂ SO ₄	NaOH Na ₂ S ₂ O ₃			TDS	300: Cl, F, SO ₄	6010 metals*									
Collection Date	Time	Grab	Comp	Sample Identification / Description															
9/25/25	3:30pm	X		C	C R - 1	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	2:45pm	X		C	C R - 2	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	1:55pm	X		C	C R - 3	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/26/25	7:15am	X		C	C R - 4	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	7:20pm	X		C	C R - 5	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	6:40pm	X		C	C R - 6	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	5:00pm	X		C	C R - 7	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/25/25	4:20pm	X		C	C R - 8	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/26/25	11:05am	X		C	C R - 9	None/ HNO ₃	2 Plastic	Aq	X	X	X								
9/26/25	10:30am	X		C	C R - 10	None/ HNO ₃	2 Plastic	Aq	X	X	X								

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

P.O. Number

Relinquished by: (Signature) <u>TE</u>	Received by: (Signature)	Date <u>9-26-25</u>	Time <u>1338</u>	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Received by: (Signature)	Date <u>9-26-25</u>	Time <u>1338</u>

Matrix Codes DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SL = Solid WW = Waste Water SO = Soil SL = Sludge		Container Types G = Glass P = Plastic V = Vial	Shipping Conditions ☒ Iced <u>3.8</u> Temp. <u>EAM</u> ☐ Ambient <u>EPH</u>	Requested TAT ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other	Thank-you for using Element Materials Technology
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October 31, 2025

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: CCR Assessment Monitoring

Order No.: 25091363

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 15 sample(s) on 9/26/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

A handwritten signature in cursive script that reads 'Buffy Bryant'.

Buffy Bryant
Customer Service Supervisor



Element Materials Technology Lafayette
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Case Narrative

WO#: 25091363
Date: 10/31/2025

CLIENT: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Lithium (6020A) analyses were subcontracted to SGS North American Inc - Scott. Their report is attached in its entirety.



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 3:30:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:10:41 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.252	0.0500		mg/L	1	9/29/2025 12:04:25 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.183	0.0100		mg/L	1	9/30/2025 3:45:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:45:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:45:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:45:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:45:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:45:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:45:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:45:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
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TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 2:45:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:24:10 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.316	0.0500		mg/L	1	9/29/2025 12:18:12 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.155	0.0100		mg/L	1	9/30/2025 3:48:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:48:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:48:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:48:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:48:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:48:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:48:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:48:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 1:55:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:27:18 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.340	0.0500		mg/L	1	9/29/2025 12:31:59 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.324	0.0100		mg/L	1	9/30/2025 3:55:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:55:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:55:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:55:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:55:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:55:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:55:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:55:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 7:15:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:30:26 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.192	0.0500		mg/L	1	9/29/2025 12:45:46 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.124	0.0100		mg/L	1	9/30/2025 3:57:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:57:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:57:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:57:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:57:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:57:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:57:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:57:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 7:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:40:19 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.131	0.0500		mg/L	1	9/29/2025 12:59:34 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.220	0.0100		mg/L	1	9/30/2025 3:59:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:59:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:59:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:59:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:59:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:59:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:59:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:59:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 6:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:43:26 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.236	0.0500		mg/L	1	9/29/2025 1:13:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.198	0.0100		mg/L	1	9/30/2025 4:02:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:02:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:02:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:02:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:02:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:02:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:02:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:02:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 5:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:46:35 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.259	0.0500		mg/L	1	9/29/2025 1:27:10 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.219	0.0100		mg/L	1	9/30/2025 4:04:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:04:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:04:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:04:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:04:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:04:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:04:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:04:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/25/2025 4:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25091363-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:49:42 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.0764	0.0500		mg/L	1	9/29/2025 1:40:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.115	0.0100		mg/L	1	9/30/2025 3:38:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 3:38:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 3:38:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 3:38:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 3:38:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 3:38:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 3:38:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 3:38:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 11:05:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:52:50 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.421	0.0500		mg/L	1	9/29/2025 1:54:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.222	0.0100		mg/L	1	9/30/2025 4:07:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:07:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:07:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:07:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:07:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:07:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:07:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:07:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 10:30:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:55:57 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.511	0.0500		mg/L	1	9/29/2025 2:08:32 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.287	0.0100		mg/L	1	9/30/2025 4:09:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:09:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:09:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:09:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:09:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:09:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:09:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:09:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/8/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 9:40:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-011 **Matrix:** AQUEOUS
Client Sample ID: CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER, TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 12:59:04 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.647	0.0500		mg/L	1	9/29/2025 2:49:55 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.160	0.0100		mg/L	1	9/30/2025 4:11:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:11:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:11:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:11:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:11:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:11:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:11:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:11:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/8/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 9:00:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 1:02:12 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.119	0.0500		mg/L	1	9/29/2025 3:03:43 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.206	0.0100		mg/L	1	9/30/2025 4:14:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:14:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:14:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:14:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:14:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:14:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:14:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:14:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 8:25:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 1:05:19 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.210	0.0500		mg/L	1	9/29/2025 3:17:30 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0867	0.0100		mg/L	1	9/30/2025 4:16:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:16:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:16:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:16:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:16:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:16:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:16:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:16:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 7:55:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 1:08:27 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.144	0.0500		mg/L	1	9/29/2025 3:31:18 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.0786	0.0100		mg/L	1	9/30/2025 4:23:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:23:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:23:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:23:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:23:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:23:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:23:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:23:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/3/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25091363

Date Reported 10/31/2025

CLIENT: Pivotal Engineering LLC **Collection Date:** 9/26/2025 10:30:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25091363-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	10/15/2025 1:18:20 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.494	0.0500		mg/L	1	9/29/2025 3:45:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Barium	0.288	0.0100		mg/L	1	9/30/2025 4:26:00 PM
Beryllium	< 0.00100	0.00100		mg/L	1	9/30/2025 4:26:00 PM
Cadmium	< 0.00500	0.00500		mg/L	1	9/30/2025 4:26:00 PM
Chromium	< 0.0100	0.0100		mg/L	1	9/30/2025 4:26:00 PM
Cobalt	< 0.0100	0.0100		mg/L	1	9/30/2025 4:26:00 PM
Lead	< 0.0100	0.0100		mg/L	1	9/30/2025 4:26:00 PM
Molybdenum	< 0.0100	0.0100		mg/L	1	9/30/2025 4:26:00 PM
Selenium	< 0.0200	0.0200		mg/L	1	9/30/2025 4:26:00 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	10/8/2025 11:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	10/3/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64688

Sample ID: MB-64688	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154874						
Client ID: PBW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805415						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0100	0.0100									
Beryllium	< 0.00100	0.00100									
Cadmium	< 0.00500	0.00500									
Chromium	< 0.0100	0.0100									
Cobalt	< 0.0100	0.0100									
Lead	< 0.0100	0.0100									
Molybdenum	< 0.0100	0.0100									
Selenium	< 0.0200	0.0200									

Sample ID: LCS-64688	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154874						
Client ID: LCSW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805416						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.511	0.0100	0.5000	0	102	80	120				
Beryllium	0.513	0.00100	0.5000	0	103	80	120				
Cadmium	0.493	0.00500	0.5000	0	98.5	80	120				
Chromium	0.498	0.0100	0.5000	0	99.5	80	120				
Cobalt	0.491	0.0100	0.5000	0	98.2	80	120				
Lead	0.501	0.0100	0.5000	0	100	80	120				
Molybdenum	0.505	0.0100	0.5000	0	101	80	120				
Selenium	0.514	0.0200	0.5000	0	103	80	120				

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64688

Sample ID: LCSD-64688	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154874						
Client ID: LCSS02	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.505	0.0100	0.5000	0	101	80	120	0.5114	1.31	20	
Beryllium	0.507	0.00100	0.5000	0	101	80	120	0.5129	1.24	20	
Cadmium	0.479	0.00500	0.5000	0	95.8	80	120	0.4927	2.81	20	
Chromium	0.491	0.0100	0.5000	0	98.2	80	120	0.4976	1.35	20	
Cobalt	0.486	0.0100	0.5000	0	97.2	80	120	0.4910	1.06	20	
Lead	0.493	0.0100	0.5000	0	98.5	80	120	0.5014	1.73	20	
Molybdenum	0.503	0.0100	0.5000	0	101	80	120	0.5050	0.359	20	
Selenium	0.494	0.0200	0.5000	0	98.8	80	120	0.5137	3.88	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64688

Sample ID: MB-64688	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: PBW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0100	0.0100									
Cadmium	< 0.00500	0.00500									
Chromium	< 0.0100	0.0100									
Cobalt	< 0.0100	0.0100									
Lead	< 0.0100	0.0100									
Selenium	< 0.0200	0.0200									

Sample ID: LCS-64688	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: LCSW	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805309						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.511	0.0100	0.5000	0	102	80	120				
Cadmium	0.493	0.00500	0.5000	0	98.5	80	120				
Chromium	0.498	0.0100	0.5000	0	99.5	80	120				
Cobalt	0.491	0.0100	0.5000	0	98.2	80	120				
Lead	0.501	0.0100	0.5000	0	100	80	120				
Selenium	0.514	0.0200	0.5000	0	103	80	120				

Sample ID: LCSD-64688	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: LCSS02	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.505	0.0100	0.5000	0	101	80	120	0.5114	1.31	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64688

Sample ID: LCSD-64688	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: LCSS02	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.479	0.00500	0.5000	0	95.8	80	120	0.4927	2.81	20	
Chromium	0.491	0.0100	0.5000	0	98.2	80	120	0.4976	1.35	20	
Cobalt	0.486	0.0100	0.5000	0	97.2	80	120	0.4910	1.06	20	
Lead	0.493	0.0100	0.5000	0	98.5	80	120	0.5014	1.73	20	
Selenium	0.494	0.0200	0.5000	0	98.8	80	120	0.5137	3.88	20	

Sample ID: 25091361-008BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: ZZZZZZ	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805313						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.633	0.0100	0.5000	0.1152	104	75	125				
Cadmium	0.499	0.00500	0.5000	0	99.9	75	125				
Chromium	0.505	0.0100	0.5000	0	101	75	125				
Cobalt	0.498	0.0100	0.5000	0	99.6	75	125				
Lead	0.504	0.0100	0.5000	0	101	75	125				
Selenium	0.504	0.0200	0.5000	0.006320	99.6	75	125				

Sample ID: 25091361-008BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: ZZZZZZ	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805314						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.614	0.0100	0.5000	0.1152	99.8	75	125	0.6329	3.03	20	
Cadmium	0.485	0.00500	0.5000	0	96.9	75	125	0.4993	2.97	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64688

Sample ID: 25091361-008BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 9/29/2025	RunNo: 154871						
Client ID: ZZZZZZ	Batch ID: 64688	TestNo: SW6010B		Analysis Date: 9/30/2025	SeqNo: 3805314						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.489	0.0100	0.5000	0	97.8	75	125	0.5050	3.21	20	
Cobalt	0.481	0.0100	0.5000	0	96.2	75	125	0.4978	3.45	20	
Lead	0.485	0.0100	0.5000	0	96.9	75	125	0.5040	3.93	20	
Selenium	0.493	0.0200	0.5000	0.006320	97.4	75	125	0.5041	2.14	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64749

Sample ID: MB-64742	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 154980						
Client ID: PBW	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807681						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	< 0.000250	0.000250									
Arsenic	0.00186	0.000250									
Thallium	< 0.000250	0.000250									

Sample ID: LCS-64742	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 154980						
Client ID: LCSW	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807682						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.518	0.00500	0.500	0	104	80	120				
Arsenic	0.524	0.00500	0.500	0	105	80	120				
Thallium	0.530	0.00500	0.500	0	106	80	120				

Sample ID: LCSD-64742	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 154980						
Client ID: LCSS02	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.511	0.00500	0.500	0	102	80	120	0.518	1.40	20	
Arsenic	0.521	0.00500	0.500	0	104	80	120	0.524	0.649	20	
Thallium	0.526	0.00500	0.500	0	105	80	120	0.530	0.634	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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Website: www.element.com

QC SUMMARY REPORT

WO#: 25091363
31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64749

Sample ID: 25091363-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 154980						
Client ID: CCR-8	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807696						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.522	0.00500	0.500	0.0000203	104	75	125				
Arsenic	0.527	0.00500	0.500	0.00114	105	75	125				
Thallium	0.522	0.00500	0.500	0	104	75	125				

Sample ID: 25091363-008BMSD	SampType: MSD	TestCode: 6020A_W		Units: mg/L	Prep Date:				RunNo: 154980		
Client ID: CCR-8	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025				SeqNo: 3807697			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.512	0.00500	0.500	0.0000203	102	75	125	0.522	1.93	20	
Arsenic	0.518	0.00500	0.500	0.00114	103	75	125	0.527	1.69	20	
Thallium	0.514	0.00500	0.500	0	103	75	125	0.522	1.41	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64749

Sample ID: MB-64749	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/3/2025	RunNo: 154962						
Client ID: PBW	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807339						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0100	0.0100									
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Sample ID: LCS-64749	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/3/2025	RunNo: 154962						
Client ID: LCSW	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807340						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.524	0.200	0.500	0	105	80	120				
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Sample ID: LCSD-64749	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/3/2025	RunNo: 154962						
Client ID: LCSS02	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807341						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.521	0.200	0.500	0	104	80	120	0.524	0.649	20	
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Sample ID: 25091361-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/3/2025	RunNo: 154962						
Client ID: ZZZZZZ	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807354						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.527	0.200	0.500	0.00114	105	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64749

Sample ID: 25091361-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/3/2025	RunNo: 154962						
Client ID: ZZZZZZ	Batch ID: 64749	TestNo: SW6020A		Analysis Date: 10/3/2025	SeqNo: 3807355						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.518	0.200	0.500	0.00114	103	75	125	0.527	1.69	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64777

Sample ID: MB-64777	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155084
Client ID: PBW	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810509
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic < 0.0100 0.0100

Sample ID: LCS-64777	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155084
Client ID: LCSW	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810510
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic 0.532 0.200 0.500 0 106 80 120

Sample ID: LCSD-64777	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155084
Client ID: LCSS02	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810511
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic 0.526 0.200 0.500 0 105 80 120 0.532 1.13 20

Sample ID: 25091363-010BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155084
Client ID: CCR-10	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810514
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic 0.524 0.200 0.500 0.00148 105 75 125

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64777

Sample ID: 25091363-010BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155084						
Client ID: CCR-10	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810515						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.526	0.200	0.500	0.00148	105	75	125	0.524	0.341	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64777

Sample ID: MB-64777	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date:	RunNo: 155083						
Client ID: PBW	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 0.0100	0.0100									
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Sample ID: LCS-64777	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155083						
Client ID: LCSW	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810461						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.532	0.200	0.500	0	106	80	120				
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Sample ID: LCSD-64777	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155083						
Client ID: LCSS02	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810462						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.526	0.200	0.500	0	105	80	120	0.532	1.13	20	
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Sample ID: 25091361-010BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155083						
Client ID: ZZZZZZ	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810465						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.524	0.200	0.500	0.00148	105	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64777

Sample ID: 25091361-010BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 10/7/2025	RunNo: 155083						
Client ID: ZZZZZZ	Batch ID: 64777	TestNo: SW6020A		Analysis Date: 10/8/2025	SeqNo: 3810466						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.526	0.200	0.500	0.00148	105	75	125	0.524	0.341	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 64885

Sample ID: MB-64885	SampType: MBLK	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 10/14/2025	RunNo: 155316						
Client ID: PBW	Batch ID: 64885	TestNo: SW7470A		Analysis Date: 10/15/2025	SeqNo: 3817537						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.000200	0.000200									
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Sample ID: LCS-64885	SampType: LCS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 10/14/2025	RunNo: 155316						
Client ID: LCSW	Batch ID: 64885	TestNo: SW7470A		Analysis Date: 10/15/2025	SeqNo: 3817538						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0101	0.000200	0.01000	0	101	80	120				
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Sample ID: LCSD-64885	SampType: LCSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 10/14/2025	RunNo: 155316						
Client ID: LCSS02	Batch ID: 64885	TestNo: SW7470A		Analysis Date: 10/15/2025	SeqNo: 3817539						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0100	0.000200	0.01000	0	100	80	120	0.01007	0.549	20	
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Sample ID: 25091363-001BMS	SampType: MS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 10/14/2025	RunNo: 155316						
Client ID: CCR-1	Batch ID: 64885	TestNo: SW7470A		Analysis Date: 10/15/2025	SeqNo: 3817542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0103	0.000200	0.01000	0	103	75	125				
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Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 64885

Sample ID: 25091363-001BMSD	SampType: MSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 10/14/2025	RunNo: 155316						
Client ID: CCR-1	Batch ID: 64885	TestNo: SW7470A		Analysis Date: 10/15/2025	SeqNo: 3817543						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00981	0.000200	0.01000	0	98.1	75	125	0.01027	4.51	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R154832

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: PBW	Batch ID: R154832	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	< 0.0500	0.0500									
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Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: LCSW	Batch ID: R154832	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	1.99	0.0500	2.000	0	99.4	90	110				
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Sample ID: lcsd		SampType: LCSD		TestCode: 300.0		Units: mg/L		Prep Date:			RunNo: 154832		
Client ID: LCSS02		Batch ID: R154832		TestNo: E 300.0		Analysis Date: 9/29/2025			SeqNo: 3803807				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	2.00	0.0500	2.000	0	100	90	110	1.987	0.610	15	
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Sample ID: 25091363-001ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: CCR-1	Batch ID: R154832	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803828						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	9.31	0.500	10.00	0.2141	91.0	80	120				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25091363

31-Oct-25

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R154832

Sample ID: 25091363-001amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: CCR-1	Batch ID: R154832	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.51	0.500	10.00	0.2141	92.9	80	120	9.309	2.11	15	

Sample ID: 25091363-002ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: CCR-2	Batch ID: R154832	TestNo: E 300.0	Analysis Date: 9/29/2025	SeqNo: 3803831							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.84	0.500	10.00	0.2961	95.4	80	120				

Sample ID: 25091363-002amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 154832						
Client ID: CCR-2	Batch ID: R154832	TestNo: E 300.0		Analysis Date: 9/29/2025	SeqNo: 3803832						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.82	0.500	10.00	0.2961	95.2	80	120	9.838	0.177	15	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25091363**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **9/26/2025 3:58:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **9/26/2025 4:39:44 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **10/10/2025 3:24:18 PM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

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

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present			

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Element Materials Technology

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

25091363

SGS Job Number: LB20665

Sampling Dates: 09/25/25 - 09/26/25

Report to:

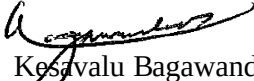
Element Materials Technology
2417 West Pinhook Rd
Lafayette, LA 70508
CustomerService.Lafayette@element.com

ATTN: Kelli Foreman

Total number of pages in report: 37



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.


Kesavalu Bagawandoss
Tech. Director North America

Client Service contact: Thomas Skrmetti 337-237-4775

Certifications: LA LDEQ(24751/02048) LA LDHH(LA025) ISO(TL-1159) AK(23-001) AZ(AZ0805) AR(88-00734)
CA(3093) FL(E87657) IL(200082) KY(123039) KY(KY98033) NJ(LA007) NC(487) ND(R-224) OK(1707)
SC(73004001) TX(T104704186) WA(C1098)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

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Sample Summary

Element Materials Technology

Job No: LB20665

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25091363

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
LB20665-1	09/25/25	15:30	09/29/25	AQ	Water	25091363-001C CCR-1
LB20665-2	09/25/25	14:45	09/29/25	AQ	Water	25091363-002C CCR-2
LB20665-3	09/25/25	13:55	09/29/25	AQ	Water	25091363-003C CCR-3
LB20665-4	09/26/25	07:15	09/29/25	AQ	Water	25091363-004C CCR-4
LB20665-5	09/25/25	19:20	09/29/25	AQ	Water	25091363-005C CCR-5
LB20665-6	09/25/25	18:40	09/29/25	AQ	Water	25091363-006C CCR-6
LB20665-7	09/25/25	17:00	09/29/25	AQ	Water	25091363-007C CCR-7
LB20665-8	09/25/25	16:20	09/29/25	AQ	Water	25091363-008C CCR-8
LB20665-9	09/26/25	11:05	09/29/25	AQ	Water	25091363-009C CCR-9
LB20665-10	09/26/25	10:30	09/29/25	AQ	Water	25091363-010C CCR-10
LB20665-11	09/26/25	09:40	09/29/25	AQ	Water	25091363-011C CCR-11
LB20665-12	09/26/25	09:00	09/29/25	AQ	Water	25091363-012C CCR-12
LB20665-13	09/26/25	08:25	09/29/25	AQ	Water	25091363-013C CCR-13



Sample Summary
(continued)

Element Materials Technology

Job No: LB20665

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25091363

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
LB20665-14	09/26/25	07:55	09/29/25	AQ	Water	25091363-014C CCR-14
LB20665-15	09/26/25	10:30	09/29/25	AQ	Water	25091363-015C DUPLICATE

Summary of Hits

Page 1 of 2

Job Number: LB20665

Account: Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Collected: 09/25/25 thru 09/26/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB20665-1	25091363-001C CCR-1					
Lithium		20.8	0.10		ug/l	SW846 6020A
LB20665-2	25091363-002C CCR-2					
Lithium		20.8	0.10		ug/l	SW846 6020A
LB20665-3	25091363-003C CCR-3					
Lithium		30.4	0.10		ug/l	SW846 6020A
LB20665-4	25091363-004C CCR-4					
Lithium		16.4	0.10		ug/l	SW846 6020A
LB20665-5	25091363-005C CCR-5					
Lithium		17.3	0.10		ug/l	SW846 6020A
LB20665-6	25091363-006C CCR-6					
Lithium		12.3	0.10		ug/l	SW846 6020A
LB20665-7	25091363-007C CCR-7					
Lithium		12.6	0.10		ug/l	SW846 6020A
LB20665-8	25091363-008C CCR-8					
Lithium		33.7	0.10		ug/l	SW846 6020A
LB20665-9	25091363-009C CCR-9					
Lithium		9.5	0.10		ug/l	SW846 6020A
LB20665-10	25091363-010C CCR-10					
Lithium		40.9	0.10		ug/l	SW846 6020A
LB20665-11	25091363-011C CCR-11					
Lithium		7.3	0.10		ug/l	SW846 6020A

Summary of Hits

Job Number: LB20665
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 09/25/25 thru 09/26/25

Lab Sample ID	Client Sample ID	Result/ Analyte Qual	RL	MDL	Units	Method
LB20665-12	25091363-012C	CCR-12				
Lithium		22.4	0.10		ug/l	SW846 6020A
LB20665-13	25091363-013C	CCR-13				
Lithium		24.6	0.10		ug/l	SW846 6020A
LB20665-14	25091363-014C	CCR-14				
Lithium		14.1	0.10		ug/l	SW846 6020A
LB20665-15	25091363-015C	DUPLICATE				
Lithium		39.5	0.10		ug/l	SW846 6020A

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	25091363-001C CCR-1	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-1	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	20.8	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-002C CCR-2	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-2	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	20.8	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-003C CCR-3	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-3	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	30.4	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-004C CCR-4	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-4	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	16.4	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-005C CCR-5	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-5	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	17.3	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-006C CCR-6	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-6	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	12.3	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-007C CCR-7	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-7	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	12.6	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-008C CCR-8	Date Sampled:	09/25/25
Lab Sample ID:	LB20665-8	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	33.7	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-009C CCR-9	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-9	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	9.5	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-010C CCR-10	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-10	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	40.9	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-011C CCR-11	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-11	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	7.3	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-012C CCR-12	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-12	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	22.4	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-013C CCR-13	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-13	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	24.6	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Report of Analysis

Client Sample ID:	25091363-014C CCR-14	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-14	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	14.1	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25091363-015C DUPLICATE	Date Sampled:	09/26/25
Lab Sample ID:	LB20665-15	Date Received:	09/29/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	39.5	0.10	ug/l	1	10/02/25	10/03/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA30828
(2) Prep QC Batch: MP31758

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY RECORD

Omega COCID 20995

PAGE: 1

OF: 2

HDAUQW

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 233-0483
FAX: (337) 233-6540
Website: www.element.com

SUB CONTRACTOR: ACCUTEST LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS: Lithium by 6020			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	25091363-001C 6020_W_SUB (SW6020A)	CCR-1	250HDPEHNO3	Aqueous	9/25/2025 3:30:00 PM	1	
2	25091363-002C 6020_W_SUB (SW6020A)	CCR-2	250HDPEHNO3	Aqueous	9/25/2025 2:45:00 PM	1	
3	25091363-003C 6020_W_SUB (SW6020A)	CCR-3	250HDPEHNO3	Aqueous	9/25/2025 1:55:00 PM	1	
4	25091363-004C 6020_W_SUB (SW6020A)	CCR-4	250HDPEHNO3	Aqueous	9/26/2025 7:15:00 AM	1	
5	25091363-005C 6020_W_SUB (SW6020A)	CCR-5	250HDPEHNO3	Aqueous	9/25/2025 7:20:00 PM	1	
6	25091363-006C 6020_W_SUB (SW6020A)	CCR-6	250HDPEHNO3	Aqueous	9/25/2025 6:40:00 PM	1	
7	25091363-007C 6020_W_SUB (SW6020A)	CCR-7	250HDPEHNO3	Aqueous	9/25/2025 5:00:00 PM	1	
8	25091363-008C 6020_W_SUB (SW6020A)	CCR-8	250HDPEHNO3	Aqueous	9/25/2025 4:20:00 PM	1	
9	25091363-009C 6020_W_SUB (SW6020A)	CCR-9	250HDPEHNO3	Aqueous	9/26/2025 11:05:00 AM	1	

Relinquished By: <i>A. Medina</i>	Date: 9-25-25	Time: 7:45	Received By:	Date: 9-29-25	Time: 7:45	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
Relinquished By: <i>Heidi Burt</i>	Date: 9-29-25	Time: 4:15	Received By: <i>[Signature]</i>	Date: 9-29-25	Time: 4:15	FOR LAB USE ONLY Temp of samples <i>3.0</i> °C Attempt to Cool? <i>(Bw)</i> Comments: <i>Client DLO</i>	
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐						Note: RUSH requests will incur surcharges!	

LB20665: Chain of Custody

Page 1 of 3



CHAIN OF CUSTODY RECORD

Omega COCID 20995

PAGE: 2

OF: 2

410 200 4000
ADDRESS
Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS: Lithium by 6020			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775		FAX: (337) 237-8005		EMAIL:			
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	25091363-010C 6020_W_SUB (SW6020A)	CCR-10	250HDPEHNO3	Aqueous	9/26/2025 10:30:00 AM	1	
11	25091363-011C 6020_W_SUB (SW6020A)	CCR-11	250HDPEHNO3	Aqueous	9/26/2025 9:40:00 AM	1	
12	25091363-012C 6020_W_SUB (SW6020A)	CCR-12	250HDPEHNO3	Aqueous	9/26/2025 9:00:00 AM	1	
13	25091363-013C 6020_W_SUB (SW6020A)	CCR-13	250HDPEHNO3	Aqueous	9/26/2025 8:25:00 AM	1	
14	25091363-014C 6020_W_SUB (SW6020A)	CCR-14	250HDPEHNO3	Aqueous	9/26/2025 7:55:00 AM	1	
15	25091363-015C 6020_W_SUB (SW6020A)	Duplicate	250HDPEHNO3	Aqueous	9/26/2025 10:30:00 AM	1	

Relinquished By: <i>[Signature]</i>	Date: <i>9-29-25</i>	Time: <i>7:54:5</i>	Received By: <i>[Signature]</i>	Date: <i>9-29-25</i>	Time: <i>7:54:5</i>	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE
Relinquished By: <i>[Signature]</i>	Date: <i>9-29-25</i>	Time: <i>4:15</i>	Received By: <i>[Signature]</i>	Date: <i>9-29-25</i>	Time: <i>4:15</i>	FOR LAB USE ONLY: Temp of samples <i>5.0</i> °C Attempt to Cool? <i>(3W)</i> Comments: <i>Client Dto</i>
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐						
Note: RUSH requests will incur surcharges!						

LB20665: Chain of Custody

Page 2 of 3

SGS Sample Receipt Summary

Job Number: lb20665

Client: ELEMENT

Project: 25091363

Date / Time Received: 9/29/2025 4:15:00 PM

Delivery Method: CLIENT D/O

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Security

Y or N

Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature

Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IRGUN</u> | |
| 3. Cooler media: <u>Ice (direct contact)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☐ ☒ | |
| 2. Trip Blank listed on COC: ☐ ☐ ☒ | |
| 3. Samples preserved properly: ☒ ☐ | |
| 4. VOCs headspace free: ☐ ☐ ☒ | |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s: _____ pH 1-12: _____ pH 12+: _____ Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

LB20665: Chain of Custody

Page 3 of 3

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB20665
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 10/02/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.14	2.3		
Antimony	0.50	.0022	.16		
Arsenic	0.10	.0079	.04		
Barium	0.10	.0041	.055		
Beryllium	0.10	.0035	.012		
Boron	5.0	.43	3.6		
Cadmium	0.10	.0016	.044		
Calcium	10	4.3	4.5		
Cerium	0.10	.0015	.009		
Chromium	0.50	.016	.2		
Cobalt	0.10	.0016	.031		
Copper	0.10	.008	.039		
Iron	10	.097	3.7		
Lithium	0.10	.012	.037	-0.0020	<0.10
Lead	0.10	.01	.079		
Lanthanum	0.10	.0017	.005		
Magnesium	10	.16	4		
Manganese	0.10	.0091	.003		
Molybdenum	0.10	.0038	.01		
Nickel	0.10	.0038	.049		
Potassium	50	2.5	13		
Selenium	0.10	.15	.042		
Silver	0.10	.0024	.028		
Silicon	20	4.2	7.1		
Sodium	50	2.2	17		
Strontium	0.10	.0054	.027		
Thallium	0.10	.0023	.011		
Tin	2.0	.02	.14		
Titanium	0.10	.021	.068		
Uranium	0.10	.0019	.014		
Vanadium	0.10	.0087	.076		
Zinc	1.0	.017	.36		

Associated samples MP31758: LB20665-1, LB20665-2, LB20665-3, LB20665-4, LB20665-5, LB20665-6, LB20665-7, LB20665-8, LB20665-9, LB20665-10, LB20665-11, LB20665-12, LB20665-13, LB20665-14, LB20665-15

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB20665
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 10/02/25

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1 Original MS	Spikelot MPICPMS6 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Calcium			
Cerium			
Chromium			
Cobalt			
Copper			
Iron	anr		
Lithium	20.8 102 100	81.2	75-125
Lead			
Lanthanum			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Silicon			
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Uranium			
Vanadium			
Zinc			

Associated samples MP31758: LB20665-1, LB20665-2, LB20665-3, LB20665-4, LB20665-5, LB20665-6, LB20665-7, LB20665-8, LB20665-9, LB20665-10, LB20665-11, LB20665-12, LB20665-13, LB20665-14, LB20665-15

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1 Original MS	Spike lot MPICPMS6 % Rec	QC Limits
-------	--------------------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1 Original MSD	Spikelot MPICPMS6 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Cerium				
Chromium				
Cobalt				
Copper				
Iron	anr			
Lithium	20.8	109	100	88.2
Lead				6.6
Lanthanum				20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Silicon				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP31758: LB20665-1, LB20665-2, LB20665-3, LB20665-4, LB20665-5, LB20665-6, LB20665-7, LB20665-8, LB20665-9, LB20665-10, LB20665-11, LB20665-12, LB20665-13, LB20665-14, LB20665-15

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1 Original MSD	Spike lot MPICPMS6 % Rec	MSD RPD	QC Limit
-------	---------------------------	-----------------------------	------------	-------------

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

5.1.3

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Units: ug/l

10/02/25



Page 69 of 74

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LB20665

Account: SLLAL - Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758

Methods: SW846 6020A

Matrix Type: AQUEOUS

Units: ug/l

Prep Date: 10/02/25

Metal	BSP Result	Spike lot MPICPMS6 % Rec	QC Limits
-------	---------------	-----------------------------	--------------

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

5.1.3

5

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Cerium				
Chromium				
Cobalt				
Copper				
Iron	anr			
Lithium	20.8	22.9	10.1*(a)	0-10
Lead				
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Silicon				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP31758: LB20665-1, LB20665-2, LB20665-3, LB20665-4, LB20665-5, LB20665-6, LB20665-7, LB20665-8, LB20665-9, LB20665-10, LB20665-11, LB20665-12, LB20665-13, LB20665-14, LB20665-15

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB20665
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP31758
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 10/02/25

Metal	LB20665-1		QC Limits
	Original	SDL 1:5 %DIF	

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested
 (a) Serial dilution indicates possible matrix interference.

5.1.4

5

☒ **2417 W. Pinhook Rd, Lafayette, LA 70508**
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January 15, 2026

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: Entergy: CCR Detection Monitoring

Order No.: 25121127

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 12/18/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Buffy Bryant
Customer Service Supervisor



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Case Narrative

WO#: 25121127
Date: 1/15/2026

CLIENT: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



Element Materials Technology Lafayette
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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 3:40:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	44.1	2.50		mg/L	10	12/22/2025 1:58:54 PM
Fluoride	0.240	0.0500		mg/L	1	12/22/2025 1:45:05 PM
Sulfate	2.48	0.250		mg/L	1	12/22/2025 1:45:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.140	0.100		mg/L	1	1/2/2026 2:18:37 PM
Calcium	25.0	0.650		mg/L	1	1/2/2026 2:18:37 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	316	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 3:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	52.8	2.50		mg/L	10	12/22/2025 7:30:11 PM
Fluoride	0.297	0.0500		mg/L	1	12/22/2025 2:40:19 PM
Sulfate	0.568	0.250		mg/L	1	12/22/2025 2:40:19 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.103	0.100		mg/L	1	1/2/2026 2:21:21 PM
Calcium	23.0	0.650		mg/L	1	1/2/2026 2:21:21 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	288	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 2:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	118	2.50		mg/L	10	12/22/2025 7:44:00 PM
Fluoride	0.281	0.0500		mg/L	1	12/22/2025 2:54:08 PM
Sulfate	1.61	0.250		mg/L	1	12/22/2025 2:54:08 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:24:05 PM
Calcium	36.4	0.650		mg/L	1	1/2/2026 2:24:05 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	399	10.0		mg/L	1	12/19/2025 6:07:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 9:55:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	43.0	2.50		mg/L	10	12/22/2025 7:57:48 PM
Fluoride	0.117	0.0500		mg/L	1	12/22/2025 3:07:56 PM
Sulfate	16.3	0.250		mg/L	1	12/22/2025 3:07:56 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.129	0.100		mg/L	1	1/2/2026 2:26:42 PM
Calcium	21.0	0.650		mg/L	1	1/2/2026 2:26:42 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	311	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 9:10:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	57.4	2.50		mg/L	10	12/22/2025 8:11:36 PM
Fluoride	0.141	0.0500		mg/L	1	12/22/2025 3:21:44 PM
Sulfate	< 0.250	0.250		mg/L	1	12/22/2025 3:21:44 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.128	0.100		mg/L	1	1/2/2026 2:35:18 PM
Calcium	35.6	0.650		mg/L	1	1/2/2026 2:35:18 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	395	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 8:15:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	83.2	2.50		mg/L	10	12/22/2025 8:25:25 PM
Fluoride	0.196	0.0500		mg/L	1	12/22/2025 3:35:32 PM
Sulfate	< 0.250	0.250		mg/L	1	12/22/2025 3:35:32 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	0.108	0.100		mg/L	1	1/2/2026 2:37:55 PM
Calcium	29.0	0.650		mg/L	1	1/2/2026 2:37:55 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	360	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 1:05:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	80.1	2.50		mg/L	10	12/22/2025 8:39:13 PM
Fluoride	0.194	0.0500		mg/L	1	12/22/2025 3:49:21 PM
Sulfate	< 0.250	0.250		mg/L	1	12/22/2025 3:49:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:40:40 PM
Calcium	47.7	0.650		mg/L	1	1/2/2026 2:40:40 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	364	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 12:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	79.2	2.50		mg/L	10	12/22/2025 8:53:01 PM
Fluoride	< 0.0500	0.0500		mg/L	1	12/22/2025 4:03:09 PM
Sulfate	1.63	0.250		mg/L	1	12/22/2025 4:03:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:43:24 PM
Calcium	12.3	0.650		mg/L	1	1/2/2026 2:43:24 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	328	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 11:15:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	54.4	2.50		mg/L	10	12/22/2025 9:06:49 PM
Fluoride	0.452	0.0500		mg/L	1	12/22/2025 4:16:57 PM
Sulfate	4.36	0.250		mg/L	1	12/22/2025 4:16:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:51:09 PM
Calcium	29.2	0.650		mg/L	1	1/2/2026 2:51:09 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	364	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 8:55:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	43.0	2.50		mg/L	10	12/22/2025 9:20:38 PM
Fluoride	0.497	0.0500		mg/L	1	12/22/2025 4:30:45 PM
Sulfate	2.27	0.250		mg/L	1	12/22/2025 4:30:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:53:44 PM
Calcium	28.4	0.650		mg/L	1	1/2/2026 2:53:44 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	322	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 6:20:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	27.8	2.50		mg/L	10	12/22/2025 9:34:26 PM
Fluoride	0.624	0.0500		mg/L	1	12/22/2025 5:12:09 PM
Sulfate	2.48	0.250		mg/L	1	12/22/2025 5:12:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:56:28 PM
Calcium	30.5	0.650		mg/L	1	1/2/2026 2:56:28 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	255	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:40:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0		Analyst: BXB
Chloride	17.3	0.250		mg/L	1	12/22/2025 5:25:57 PM
Fluoride	0.110	0.0500		mg/L	1	12/22/2025 5:25:57 PM
Sulfate	14.3	0.250		mg/L	1	12/22/2025 5:25:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B		Analyst: IO
Boron	< 0.100	0.100		mg/L	1	1/2/2026 2:59:10 PM
Calcium	21.0	0.650		mg/L	1	1/2/2026 2:59:10 PM
TOTAL DISSOLVED SOLIDS				SM2540C		Analyst: SAR
Total Dissolved Solids (Residue, Filterable)	212	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:00:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	13.2	0.250		mg/L	1	12/22/2025 5:39:46 PM
Fluoride	0.166	0.0500		mg/L	1	12/22/2025 5:39:46 PM
Sulfate	< 0.250	0.250		mg/L	1	12/22/2025 5:39:46 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 3:07:41 PM
Calcium	27.3	0.650		mg/L	1	1/2/2026 3:07:41 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	207	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 4:30:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	12.3	0.250		mg/L	1	12/22/2025 5:53:33 PM
Fluoride	0.0918	0.0500		mg/L	1	12/22/2025 5:53:33 PM
Sulfate	0.891	0.250		mg/L	1	12/22/2025 5:53:33 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 3:10:24 PM
Calcium	17.4	0.650		mg/L	1	1/2/2026 3:10:24 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	182	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:40:00 PM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	17.3	0.250		mg/L	1	12/22/2025 6:07:21 PM
Fluoride	0.120	0.0500		mg/L	1	12/22/2025 6:07:21 PM
Sulfate	14.7	0.250		mg/L	1	12/22/2025 6:07:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 3:13:02 PM
Calcium	21.6	0.650		mg/L	1	1/2/2026 3:13:02 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	146	10.0		mg/L	1	12/23/2025 5:06:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121127

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 11:20:00 AM
Project: Entergy: CCR Detection Monitoring
Lab ID: 25121127-016 **Matrix:** AQUEOUS
Client Sample ID: Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Chloride	< 0.250	0.250		mg/L	1	12/22/2025 6:21:09 PM
Fluoride	< 0.0500	0.0500		mg/L	1	12/22/2025 6:21:09 PM
Sulfate	< 0.250	0.250		mg/L	1	12/22/2025 6:21:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Boron	< 0.100	0.100		mg/L	1	1/2/2026 3:15:44 PM
Calcium	< 0.500	0.500		mg/L	1	1/2/2026 3:15:44 PM
TOTAL DISSOLVED SOLIDS				SM2540C	Analyst: SAR	
Total Dissolved Solids (Residue, Filterable)	< 10.0	10.0		mg/L	1	12/19/2025 6:07:00 PM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: 65888

Sample ID: MB-65888	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: PBW	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884648						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	< 0.100	0.100									
Calcium	< 0.500	0.500									

Sample ID: LCS-65888	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: LCSW	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.507	0.100	0.5000	0	101	80	120				
Calcium	50.4	0.500	50.00	0	101	80	120				

Sample ID: LCSD-65888	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: LCSS02	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884650						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.523	0.100	0.5000	0	105	80	120	0.5065	3.12	20	
Calcium	49.5	0.500	50.00	0	99.0	80	120	50.44	1.87	20	

Sample ID: 25121127-008BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: CCR-8	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.602	0.100	0.5000	0	120	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: 65888

Sample ID: 25121127-008BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: CCR-8	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	62.0	0.650	50.00	12.29	99.5	75	125				
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Sample ID: 25121127-008BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157569						
Client ID: CCR-8	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Boron	0.606	0.100	0.5000	0	121	75	125	0.6023	0.544	20	
Calcium	62.0	0.650	50.00	12.29	99.5	75	125	62.04	0.0428	20	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R157191

Sample ID: MB-R157191	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 157191		
Client ID: PBW	Batch ID: R157191	TestNo: SM2540C	Analysis Date: 12/18/2025					SeqNo: 3873276			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) < 10.0 10.0

Sample ID: LCS-R157191	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 157191		
Client ID: LCSW	Batch ID: R157191	TestNo: SM2540C	Analysis Date: 12/18/2025					SeqNo: 3873277			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 883 10.0 1,000 0 88.3 85 115

Sample ID: LCSD-R157191	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 157191		
Client ID: LCSS02	Batch ID: R157191	TestNo: SM2540C	Analysis Date: 12/18/2025					SeqNo: 3873279			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 863 10.0 1,000 0 86.3 85 115 883.0 2.29 10

Sample ID: 25120653-007BDUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 157191						
Client ID: ZZZZZZ	Batch ID: R157191	TestNo: SM2540C		Analysis Date: 12/18/2025	SeqNo: 3873283						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable) 96.0 10.0 90.00 6.45 10

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded M Matrix Interference
ND Not Detected at the Reporting Limit RL Reporting Limit SDL Sample detection limit
U Analyte not detected W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R157191

Sample ID: 25120653-007BDUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 157191		
Client ID: ZZZZZZ	Batch ID: R157191	TestNo: SM2540C	Analysis Date: 12/18/2025					SeqNo: 3873283			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 25120812-001CDUP	SampType: DUP	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 157191						
Client ID: ZZZZZZ	Batch ID: R157191	TestNo: SM2540C		Analysis Date: 12/19/2025	SeqNo: 3873293						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	2,340	100						2,340	0	10	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R157269

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: PBW	Batch ID: R157269	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873660						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 0.250	0.250									
Fluoride	< 0.0500	0.0500									
Sulfate	< 0.250	0.250									

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: LCSW	Batch ID: R157269	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873661							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.2	0.250	10.00	0	102	90	110				
Fluoride	2.17	0.0500	2.000	0	108	90	110				
Sulfate	10.9	0.250	10.00	0	109	90	110				

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: LCSS02	Batch ID: R157269	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873662						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	10.2	0.250	10.00	0	102	90	110	10.18	0.0980	15	
Fluoride	2.00	0.0500	2.000	0	100	90	110	2.165	7.80	15	
Sulfate	10.9	0.250	10.00	0	109	90	110	10.94	0.0292	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode		



Element Materials Technology Lafayette
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Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC
Project: Entergy: CCR Detection Monitoring

BatchID: R157269

Sample ID: 25121127-001Ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: CCR-1	Batch ID: R157269	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	94.5	2.50	50.00	44.11	101	80	120				
Fluoride	9.37	0.500	10.00	0.1672	92.0	80	120				
Sulfate	47.2	2.50	50.00	1.456	91.5	80	120				

Sample ID: 25121127-001Amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: CCR-1	Batch ID: R157269	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873666							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	93.7	2.50	50.00	44.11	99.2	80	120	94.52	0.879	15	
Fluoride	9.16	0.500	10.00	0.1672	89.9	80	120	9.369	2.30	15	
Sulfate	46.4	2.50	50.00	1.456	90.0	80	120	47.22	1.67	15	

Sample ID: 25121127-016Ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: Field Blank	Batch ID: R157269	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873684							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.66	0.250	5.000	0	93.2	80	120				
Fluoride	0.911	0.0500	1.000	0	91.1	80	120				
Sulfate	4.62	0.250	5.000	0	92.5	80	120				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded M Matrix Interference
ND Not Detected at the Reporting Limit RL Reporting Limit SDL Sample detection limit
U Analyte not detected W Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R157269

Sample ID: 25121127-016Amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157269						
Client ID: Field Blank	Batch ID: R157269	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873685							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.67	0.250	5.000	0	93.3	80	120	4.659	0.139	15	
Fluoride	0.918	0.0500	1.000	0	91.8	80	120	0.9109	0.808	15	
Sulfate	4.72	0.250	5.000	0	94.3	80	120	4.625	1.98	15	

Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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QC SUMMARY REPORT

WO#: 25121127

15-Jan-26

Client: Pivotal Engineering LLC

Project: Entergy: CCR Detection Monitoring

BatchID: R157354

Sample ID: MB-R157354	SampType: MBLK	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 157354						
Client ID: PBW	Batch ID: R157354	TestNo: SM2540C		Analysis Date: 12/23/2025	SeqNo: 3876961						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	< 10.0	10.0
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Sample ID: LCS-R157354	SampType: LCS	TestCode: TDS_2540C	Units: mg/L	Prep Date:					RunNo: 157354		
Client ID: LCSW	Batch ID: R157354	TestNo: SM2540C	Analysis Date: 12/23/2025					SeqNo: 3876962			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	1,050	10.0	1,000	0	105	85	115
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Sample ID: LCSD-R157354	SampType: LCSD	TestCode: TDS_2540C	Units: mg/L	Prep Date:	RunNo: 157354						
Client ID: LCSS02	Batch ID: R157354	TestNo: SM2540C		Analysis Date: 12/23/2025	SeqNo: 3876963						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filterable)	1,050	10.0	1,000	0	105	85	115	1,047	0.666	10
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Qualifiers:

E Value above quantitation range
ND Not Detected at the Reporting Limit
U Analyte not detected

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

M Matrix Interference
SDL Sample detection limit



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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25121127**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **12/18/2025 1:35:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **12/18/2025 5:48:34 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **1/15/2026 10:17:52 AM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

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

18. Additional remarks:

No sampler's signature by client

Client didn't realize that he needed all three set of COC's

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Not Present			



Laboratory Number 20121127

29



Laboratory Number 2121122

Client Name: Pivotal Engineering LLC				Project: CCR Detection Monitoring				Preserv.		Number / Type of Container	Matrix Code	Test Requested								Comments / Remarks									
Contact Name: Terry Elnaggar								HCl HNO ₃	H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃			TDS	300: Cl, FI, SO ₄	6010 metals*															
Phone/Fax: (504) 799-3653				Sampler's Signature:																									
Collection		Grab	Comp	Sample Identification / Description																									
Date	Time																												
2/16/25	1820	X		C	C	R	-	1	1	None/ HNO ₃	2 Plastic	Aq	X	X	X														
2/16/25	1740	X		C	C	R	-	1	2	None/ HNO ₃	2 Plastic	Aq	X	X	X														*6010 Metals: B, Ca
2/16/25	1700	X		C	C	R	-	1	3	None/ HNO ₃	2 Plastic	Aq	X	X	X														
2/16/25	1630	X		C	C	R	-	1	4	None/ HNO ₃	2 Plastic	Aq	X	X	X														
		X		M	S	(CCR-				None/ HNO ₃	2 Plastic	Aq	X	X	X														
		X		M	S	D (CCR-				None/ HNO ₃	2 Plastic	Aq	X	X	X														
2/16/25	1740	X		D	U	P				None/ HNO ₃	2 Plastic	Aq	X	X	X														
2/17/25	1120	X		F	B	1				None/ HNO ₃	2 Plastic	Aq	X	X	X														

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

Relinquished by: (Signature) _____ Received by:(Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Received by:(Signature) _____ Date _____ Time _____

Relinquished by: (Signature) _____ Received by:(Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Received by Laboratory:(Signature) _____ Date _____ Time _____

Matrix Codes

DW = Drinking Water AQ = Aqueous LIQ = Liquid
 GW = Ground Water O = Oil SLD = Solid
 WW = Waste Water SO = Soil SL = Sludge

Container Types

G = Glass
 P = Plastic
 V = Vial

Shipping Conditions

☒ Iced 2-2
☐ Temp. 45
☐ Ambient low

Requested TAT

☐ 24-Hr. ☐ 72-Hr.
☐ 48-Hr. ☒ Standard
☐ Other _____

Thank-you for using Element Materials Technology

Page 29 of 29



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January 15, 2026

Terry Elnaggar
Pivotal Engineering LLC
1515 Poydras St., STE. 1150
New Orleans, LA 70112
TEL: (504) 799-3653
FAX

RE: CCR Assessment Monitoring

Order No.: 25121128

Dear Terry Elnaggar:

Element Materials Technology Lafayette received 16 sample(s) on 12/18/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

A handwritten signature in cursive script that reads 'Buffy Bryant'.

Buffy Bryant
Customer Service Supervisor



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Case Narrative

WO#: 25121128
Date: 1/15/2026

CLIENT: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Lithium (6020A) analyses were subcontracted to SGS North American Inc - Scott. Their report is attached in its entirety.



Element Materials Technology Lafayette
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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 3:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-001 **Matrix:** AQUEOUS
Client Sample ID CCR-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:11:55 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.240	0.0500		mg/L	1	12/22/2025 1:45:05 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:18:37 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.177	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000764	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.00111	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 3:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-002 **Matrix:** AQUEOUS
Client Sample ID CCR-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:15:03 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.297	0.0500		mg/L	1	12/22/2025 2:40:19 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:21:21 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.158	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000804	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.000330	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 2:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-003 **Matrix:** AQUEOUS
Client Sample ID CCR-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:18:13 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.281	0.0500		mg/L	1	12/22/2025 2:54:08 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:24:05 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.332	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00113	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	0.000373	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.00155	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 9:55:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-004 **Matrix:** AQUEOUS
Client Sample ID CCR-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:21:20 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.117	0.0500		mg/L	1	12/22/2025 3:07:56 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:26:42 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.118	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00135	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 9:10:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-005 **Matrix:** AQUEOUS
Client Sample ID CCR-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL		SW7470A			Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:24:27 PM
INORGANIC ANIONS IN WATER BY IC		E 300.0			Analyst: BXB	
Fluoride	0.141	0.0500		mg/L	1	12/22/2025 3:21:44 PM
METALS IN WATER BY ICP, TOTALS		SW6010B			Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:35:18 PM
METALS IN WATER BY ICP-MS, TOTAL		SW6020A			Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.226	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000776	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



Element Materials Technology Lafayette
2417 W. Pinhook Road
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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/18/2025 8:15:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-006 **Matrix:** AQUEOUS
Client Sample ID CCR-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A		Analyst: MAO
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:27:35 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0		Analyst: BXB
Fluoride	0.196	0.0500		mg/L	1	12/22/2025 3:35:32 PM
METALS IN WATER BY ICP, TOTALS				SW6010B		Analyst: IO
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:37:55 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A		Analyst: MRB
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.179	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00254	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.000666	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 1:05:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-007 **Matrix:** AQUEOUS
Client Sample ID CCR-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:30:41 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.194	0.0500		mg/L	1	12/22/2025 3:49:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:40:40 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.215	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00128	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.000329	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 12:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-008 **Matrix:** AQUEOUS
Client Sample ID CCR-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:33:49 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	< 0.0500	0.0500		mg/L	1	12/22/2025 4:03:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:43:24 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.113	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000722	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 11:15:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-009 **Matrix:** AQUEOUS
Client Sample ID CCR-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 12:54:03 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.452	0.0500		mg/L	1	12/22/2025 4:16:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:51:09 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.212	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000987	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.00149	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 8:55:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-010 **Matrix:** AQUEOUS
Client Sample ID CCR-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:07:34 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.497	0.0500		mg/L	1	12/22/2025 4:30:45 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:53:44 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.269	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000716	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.00186	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 6:20:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-011 **Matrix:** AQUEOUS
Client Sample ID CCR-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:10:42 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.624	0.0500		mg/L	1	12/22/2025 5:12:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:56:28 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.154	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000701	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.00252	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-012 **Matrix:** AQUEOUS
Client Sample ID CCR-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:13:49 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.110	0.0500		mg/L	1	12/22/2025 5:25:57 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 2:59:10 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.187	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000663	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:00:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-013 **Matrix:** AQUEOUS
Client Sample ID CCR-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:16:56 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.166	0.0500		mg/L	1	12/22/2025 5:39:46 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 3:07:41 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.0882	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00207	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.000475	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 4:30:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-014 **Matrix:** AQUEOUS
Client Sample ID CCR-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:20:03 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.0918	0.0500		mg/L	1	12/22/2025 5:53:33 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 3:10:24 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.0788	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000691	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	0.000373	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Matrix Interference	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Website: www.element.com

Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/16/2025 5:40:00 PM
Project: CCR Assessment Monitoring
Lab ID: 25121128-015 **Matrix:** AQUEOUS
Client Sample ID Duplicate

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:29:57 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	0.120	0.0500		mg/L	1	12/22/2025 6:07:21 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 3:13:02 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	0.189	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.00110	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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Analytical Report

(consolidated)

WO#: 25121128

Date Reported 1/15/2026

CLIENT: Pivotal Engineering LLC **Collection Date:** 12/17/2025 11:20:00 AM
Project: CCR Assessment Monitoring
Lab ID: 25121128-016 **Matrix:** AQUEOUS
Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY IN GROUND WATER,TOTAL				SW7470A	Analyst: MAO	
Mercury	< 0.000200	0.000200		mg/L	1	12/31/2025 1:33:04 PM
INORGANIC ANIONS IN WATER BY IC				E 300.0	Analyst: BXB	
Fluoride	< 0.0500	0.0500		mg/L	1	12/22/2025 6:21:09 PM
METALS IN WATER BY ICP, TOTALS				SW6010B	Analyst: IO	
Beryllium	< 0.00400	0.00400		mg/L	1	1/2/2026 3:15:44 PM
METALS IN WATER BY ICP-MS, TOTAL				SW6020A	Analyst: MRB	
Antimony	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Arsenic	< 0.0100	0.0100		mg/L	1	12/29/2025 8:00:00 AM
Barium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Cadmium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Chromium	0.000801	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Cobalt	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Lead	< 0.000500	0.000500		mg/L	1	12/29/2025 8:00:00 AM
Molybdenum	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM
Selenium	< 0.00200	0.00200		mg/L	1	12/29/2025 8:00:00 AM
Thallium	< 0.000250	0.000250		mg/L	1	12/29/2025 8:00:00 AM

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit
	U	Analyte not detected	W	Sample container temperature is out of limit as specified at testcode



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65882

Sample ID: MB-65882	SampType: MBLK	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: PBW	Batch ID: 65882	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882600						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.000200	0.000200									
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Sample ID: LCS-65882	SampType: LCS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: LCSW	Batch ID: 65882	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882601						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0107	0.000200	0.01000	0	107	80	120				
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Sample ID: LCSD-65882	SampType: LCSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: LCSS02	Batch ID: 65882	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882602						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0107	0.000200	0.01000	0	107	80	120	0.01066	0.0193	20	
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Sample ID: 25121018-001AMS	SampType: MS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: ZZZZZZ	Batch ID: 65882	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0101	0.000200	0.01000	0.0001837	98.9	75	125				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 65882

Sample ID: 25121018-001AMSD	SampType: MSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: ZZZZZZ	Batch ID: 65882	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0102	0.000200	0.01000	0.0001837	101	75	125	0.01008	1.56	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65883

Sample ID: 25121128-009BMS	SampType: MS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: CCR-9	Batch ID: 65883	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882569						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0110	0.000200	0.01000	0	110	75	125				
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Sample ID: 25121128-009BMSD	SampType: MSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: CCR-9	Batch ID: 65883	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882570						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0109	0.000200	0.01000	0	109	75	125	0.01099	0.812	20	
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Sample ID: MB-65883	SampType: MBLK	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: PBW	Batch ID: 65883	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882620						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	< 0.000200	0.000200									
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Sample ID: LCS-65883	SampType: LCS	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: LCSW	Batch ID: 65883	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882621						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0109	0.000200	0.01000	0	109	80	120				
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Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 65883

Sample ID: LCSD-65883	SampType: LCSD	TestCode: HG_W_7470A	Units: mg/L	Prep Date: 12/30/2025	RunNo: 157500						
Client ID: LCSS02	Batch ID: 65883	TestNo: SW7470A		Analysis Date: 12/31/2025	SeqNo: 3882624						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0107	0.000200	0.01000	0	107	80	120	0.01092	1.90	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65888

Sample ID: MB-65888	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157570						
Client ID: PBW	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884699						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium < 0.00400 0.00400

Sample ID: LCS-65888	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157570						
Client ID: LCSW	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884700						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium 0.519 0.00400 0.5000 0 104 80 120

Sample ID: LCSD-65888	SampType: LCSD	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157570						
Client ID: LCSS02	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884701						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium 0.519 0.00400 0.5000 0 104 80 120 0.5188 0.0872 20

Sample ID: 25121128-008BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157570						
Client ID: CCR-8	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884715						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium 0.518 0.00400 0.5000 0.0005759 103 75 125

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
SDL Sample detection limit

M Matrix Interference
RL Reporting Limit
U Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 65888

Sample ID: 25121128-008BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157570						
Client ID: CCR-8	Batch ID: 65888	TestNo: SW6010B		Analysis Date: 1/2/2026	SeqNo: 3884716						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.517	0.00400	0.5000	0.0005759	103	75	125	0.5176	0.132	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: MB-65890	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: PBW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3879247						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	< 0.000250	0.000250									
Arsenic	< 0.000250	0.000250									
Thallium	< 0.000250	0.000250									

Sample ID: LCS-65890	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: LCSW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3879248						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.491	0.00500	0.500	0	98.1	80	120				
Arsenic	0.488	0.00500	0.500	0	97.6	80	120				
Thallium	0.489	0.00500	0.500	0	97.8	80	120				

Sample ID: LCSD-65890	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: LCSS02	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3879249						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.497	0.00500	0.500	0	99.4	80	120	0.491	1.23	20	
Arsenic	0.494	0.00500	0.500	0	98.8	80	120	0.488	1.16	20	
Thallium	0.488	0.00500	0.500	0	97.6	80	120	0.489	0.301	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: 25121128-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: CCR-8	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3879263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.502	0.00500	0.500	0.0000122	100	75	125				
Arsenic	0.489	0.00500	0.500	0.0000455	97.7	75	125				
Thallium	0.480	0.00500	0.500	0	96.0	75	125				

Sample ID: 25121128-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: CCR-8	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3879264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.497	0.00500	0.500	0.0000122	99.5	75	125	0.502	0.951	20	
Arsenic	0.492	0.00500	0.500	0.0000455	98.4	75	125	0.489	0.656	20	
Thallium	0.477	0.00500	0.500	0	95.3	75	125	0.480	0.705	20	

Sample ID: MB-65890	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: PBW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887716						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.00200	0.00200									
Cadmium	< 0.000250	0.000250									
Chromium	< 0.000500	0.000500									
Cobalt	< 0.000250	0.000250									
Lead	< 0.000500	0.000500									
Molybdenum	< 0.000250	0.000250									
Selenium	< 0.00200	0.00200									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: MB-65890	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: PBW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887716						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-65890	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: LCSW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887717						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	0.497	0.0400	0.500	0	99.4	80	120				
Cadmium	0.491	0.00500	0.500	0	98.3	80	120				
Chromium	0.482	0.0100	0.500	0	96.4	80	120				
Cobalt	0.480	0.00500	0.500	0	96.1	80	120				
Lead	0.493	0.0100	0.500	0	98.5	80	120				
Molybdenum	0.482	0.00500	0.500	0	96.4	80	120				
Selenium	0.472	0.0400	0.500	0	94.4	80	120				

Sample ID: LCSD-65890	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: LCSS02	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887718						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	0.500	0.0400	0.500	0	99.9	80	120	0.497	0.542	20	
Cadmium	0.494	0.00500	0.500	0	98.9	80	120	0.491	0.569	20	
Chromium	0.489	0.0100	0.500	0	97.8	80	120	0.482	1.44	20	
Cobalt	0.484	0.00500	0.500	0	96.9	80	120	0.480	0.849	20	
Lead	0.494	0.0100	0.500	0	98.7	80	120	0.493	0.219	20	
Molybdenum	0.487	0.00500	0.500	0	97.4	80	120	0.482	1.05	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



Element Materials Technology Lafayette
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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: LCSD-65890	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: LCSS02	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887718						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	0.488	0.0400	0.500	0	97.6	80	120	0.472	3.38	20	

Sample ID: 25121128-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: CCR-8	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887734						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.622	0.0400	0.500	0.113	102	75	125				
Cadmium	0.494	0.00500	0.500	0.0000147	98.8	75	125				
Chromium	0.481	0.0100	0.500	0.000722	96.2	75	125				
Cobalt	0.490	0.00500	0.500	0	98.0	75	125				
Lead	0.482	0.0100	0.500	0	96.5	75	125				
Molybdenum	0.491	0.00500	0.500	0.0000832	98.2	75	125				
Selenium	0.485	0.0400	0.500	0.000362	97.0	75	125				

Sample ID: 25121128-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: CCR-8	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.621	0.0400	0.500	0.113	102	75	125	0.622	0.210	20	
Cadmium	0.492	0.00500	0.500	0.0000147	98.5	75	125	0.494	0.367	20	
Chromium	0.481	0.0100	0.500	0.000722	96.0	75	125	0.481	0.175	20	
Cobalt	0.491	0.00500	0.500	0	98.2	75	125	0.490	0.218	20	
Lead	0.482	0.0100	0.500	0	96.4	75	125	0.482	0.0807	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC

Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: 25121128-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157418						
Client ID: CCR-8	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3887735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	0.493	0.00500	0.500	0.0000832	98.6	75	125	0.491	0.387	20	
Selenium	0.496	0.0400	0.500	0.000362	99.1	75	125	0.485	2.16	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: MB-65890	SampType: MBLK	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: PBW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878778						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.000250	0.000250									
Barium	< 0.00200	0.00200									
Cadmium	< 0.000250	0.000250									
Cobalt	< 0.000250	0.000250									
Lead	< 0.000500	0.000500									
Selenium	< 0.00200	0.00200									

Sample ID: LCS-65890	SampType: LCS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: LCSW	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878779						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.488	0.00500	0.500	0	97.6	80	120				
Barium	0.497	0.0400	0.500	0	99.4	80	120				
Cadmium	0.491	0.00500	0.500	0	98.3	80	120				
Cobalt	0.480	0.00500	0.500	0	96.1	80	120				
Lead	0.493	0.0100	0.500	0	98.5	80	120				
Selenium	0.472	0.0400	0.500	0	94.4	80	120				

Sample ID: LCSD-65890	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: LCSS02	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878780						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.494	0.00500	0.500	0	98.8	80	120	0.488	1.16	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: LCSD-65890	SampType: LCSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: LCSS02	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878780						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.500	0.0400	0.500	0	99.9	80	120	0.497	0.542	20	
Cadmium	0.494	0.00500	0.500	0	98.9	80	120	0.491	0.569	20	
Cobalt	0.484	0.00500	0.500	0	96.9	80	120	0.480	0.849	20	
Lead	0.494	0.0100	0.500	0	98.7	80	120	0.493	0.219	20	
Selenium	0.488	0.0400	0.500	0	97.6	80	120	0.472	3.38	20	

Sample ID: 25121077-008BMS	SampType: MS	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: ZZZZZZ	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878796						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.489	0.00500	0.500	0.0000455	97.7	75	125				
Barium	0.622	0.0400	0.500	0.113	102	75	125				
Cadmium	0.494	0.00500	0.500	0.0000147	98.8	75	125				
Cobalt	0.490	0.00500	0.500	0	98.0	75	125				
Lead	0.482	0.0100	0.500	0	96.5	75	125				
Selenium	0.485	0.0400	0.500	0.000362	97.0	75	125				

Sample ID: 25121077-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: ZZZZZZ	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878797						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.492	0.00500	0.500	0.0000455	98.4	75	125	0.489	0.656	20	
Barium	0.621	0.0400	0.500	0.113	102	75	125	0.622	0.210	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: 65890

Sample ID: 25121077-008BMSD	SampType: MSD	TestCode: 6020A_W	Units: mg/L	Prep Date: 12/23/2025	RunNo: 157408						
Client ID: ZZZZZZ	Batch ID: 65890	TestNo: SW6020A		Analysis Date: 12/29/2025	SeqNo: 3878797						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.492	0.00500	0.500	0.0000147	98.5	75	125	0.494	0.367	20	
Cobalt	0.491	0.00500	0.500	0	98.2	75	125	0.490	0.218	20	
Lead	0.482	0.0100	0.500	0	96.4	75	125	0.482	0.0807	20	
Selenium	0.496	0.0400	0.500	0.000362	99.1	75	125	0.485	2.16	20	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R157270

Sample ID: mblk	SampType: MBLK	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: PBW	Batch ID: R157270	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873703						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	< 0.0500	0.0500									
----------	----------	--------	--	--	--	--	--	--	--	--	--

Sample ID: lcs	SampType: LCS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: LCSW	Batch ID: R157270	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873704							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	2.17	0.0500	2.000	0	108	90	110				
----------	------	--------	-------	---	-----	----	-----	--	--	--	--

Sample ID: lcsd	SampType: LCSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: LCSS02	Batch ID: R157270	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	2.00	0.0500	2.000	0	100	90	110	2.165	7.80	15	
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Sample ID: 25121128-001Ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: CCR-1	Batch ID: R157270	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873708						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	9.37	0.500	10.00	0.1672	92.0	80	120				
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike Recovery outside accepted recovery limits	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: 25121128

15-Jan-26

Client: Pivotal Engineering LLC
Project: CCR Assessment Monitoring

BatchID: R157270

Sample ID: 25121128-001Amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: CCR-1	Batch ID: R157270	TestNo: E 300.0		Analysis Date: 12/22/2025	SeqNo: 3873709						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.16	0.500	10.00	0.1672	89.9	80	120	9.369	2.30	15	

Sample ID: 25121128-016Ams	SampType: MS	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: Field Blank	Batch ID: R157270	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873727							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.911	0.0500	1.000	0	91.1	80	120				

Sample ID: 25121128-016Amsd	SampType: MSD	TestCode: 300.0	Units: mg/L	Prep Date:	RunNo: 157270						
Client ID: Field Blank	Batch ID: R157270	TestNo: E 300.0	Analysis Date: 12/22/2025	SeqNo: 3873728							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.918	0.0500	1.000	0	91.8	80	120	0.9109	0.808	15	

Qualifiers:

E	Value above quantitation range
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

H	Holding times for preparation or analysis exceeded
R	RPD outside accepted recovery limits
SDL	Sample detection limit

M	Matrix Interference
RL	Reporting Limit
U	Analyte not detected



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Sample Log-In Check List

Client Name: **PIVOTAL_ENGINEERIN**

Work Order Number: **25121128**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **12/18/2025 1:35:00 PM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **12/18/2025 5:48:13 PM**

Tammy Thibodeaux

Reviewed By: **Buffy Bryant** **1/15/2026 10:19:50 AM**

Buffy Bryant

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

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

18. Additional remarks:

No sampler's signature by client

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Not Present			

The results set forth herein are provided by SGS North America Inc.

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Automated Report

Technical Report for

Element Materials Technology

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

25121128

SGS Job Number: LB24008

Sampling Dates: 12/16/25 - 12/18/25

Report to:

Element Materials Technology
2417 West Pinhook Rd
Lafayette, LA 70508
CustomerService.Lafayette@element.com

ATTN: Kelli Foreman

Total number of pages in report: 38



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

[Signature]

Kesavalu Bagawandoss
Tech. Director North America

Client Service contact: Thomas Skrmetti 337-237-4775

Certifications: LA LDEQ(24751/02048) LA LDHH(LA025) ISO(TL-1159) AK(23-001) AZ(AZ0805) AR(88-00734)
CA(3093) FL(E87657) IL(200082) KY(123039) KY(KY98033) NJ(LA007) NC(487) ND(R-224) OK(1707)
SC(73004001) TX(T104704186) WA(C1098)

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Sample Summary

Element Materials Technology

Job No: LB24008

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25121128

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
LB24008-1	12/16/25	15:40	12/26/25	AQ	Water	25121128-001C CCR-1
LB24008-2	12/16/25	15:00	12/26/25	AQ	Water	25121128-002C CCR-2
LB24008-3	12/16/25	14:20	12/26/25	AQ	Water	25121128-003C CCR-3
LB24008-4	12/18/25	09:55	12/26/25	AQ	Water	25121128-004C CCR-4
LB24008-5	12/18/25	09:10	12/26/25	AQ	Water	25121128-005C CCR-5
LB24008-6	12/18/25	08:15	12/26/25	AQ	Water	25121128-006C CCR-6
LB24008-7	12/17/25	13:05	12/26/25	AQ	Water	25121128-007C CCR-7
LB24008-8	12/17/25	12:20	12/26/25	AQ	Water	25121128-008C CCR-8
LB24008-9	12/17/25	11:15	12/26/25	AQ	Water	25121128-009C CCR-9
LB24008-10	12/17/25	08:55	12/26/25	AQ	Water	25121128-010C CCR-10
LB24008-11	12/16/25	18:20	12/26/25	AQ	Water	25121128-011C CCR-11
LB24008-12	12/16/25	17:40	12/26/25	AQ	Water	25121128-012C CCR-12
LB24008-13	12/16/25	17:00	12/26/25	AQ	Water	25121128-013C CCR-13



Sample Summary
(continued)

Element Materials Technology

Job No: LB24008

Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Project No: 25121128

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
LB24008-14	12/16/25	16:30	12/26/25	AQ	Water	25121128-014C CCR-14
LB24008-15	12/16/25	17:40	12/26/25	AQ	Water	25121128-015C DUPLICATE
LB24008-16	12/17/25	11:20	12/26/25	AQ	Field Blank Water	25121128-016C FIELD BLANK

Summary of Hits

Page 1 of 2

Job Number: LB24008

Account: Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Collected: 12/16/25 thru 12/18/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB24008-1	25121128-001C CCR-1					
Lithium		21.2	0.10		ug/l	SW846 6020A
LB24008-2	25121128-002C CCR-2					
Lithium		21.4	0.10		ug/l	SW846 6020A
LB24008-3	25121128-003C CCR-3					
Lithium		26.1	0.10		ug/l	SW846 6020A
LB24008-4	25121128-004C CCR-4					
Lithium		21.0	0.10		ug/l	SW846 6020A
LB24008-5	25121128-005C CCR-5					
Lithium		22.2	0.10		ug/l	SW846 6020A
LB24008-6	25121128-006C CCR-6					
Lithium		15.9	0.10		ug/l	SW846 6020A
LB24008-7	25121128-007C CCR-7					
Lithium		14.5	0.10		ug/l	SW846 6020A
LB24008-8	25121128-008C CCR-8					
Lithium		31.9	0.10		ug/l	SW846 6020A
LB24008-9	25121128-009C CCR-9					
Lithium		10	0.10		ug/l	SW846 6020A
LB24008-10	25121128-010C CCR-10					
Lithium		44.1	0.10		ug/l	SW846 6020A
LB24008-11	25121128-011C CCR-11					
Lithium		10.2	0.10		ug/l	SW846 6020A

Summary of Hits

Job Number: LB24008
Account: Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA
Collected: 12/16/25 thru 12/18/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
LB24008-12	25121128-012C	CCR-12				
Lithium		24.1	0.10		ug/l	SW846 6020A
LB24008-13	25121128-013C	CCR-13				
Lithium		26.7	0.10		ug/l	SW846 6020A
LB24008-14	25121128-014C	CCR-14				
Lithium		19.2	0.10		ug/l	SW846 6020A
LB24008-15	25121128-015C	DUPLICATE				
Lithium		23.2	0.10		ug/l	SW846 6020A
LB24008-16	25121128-016C	FIELD BLANK				
Lithium		0.14	0.10		ug/l	SW846 6020A



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	25121128-001C CCR-1	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-1	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	21.2	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-002C CCR-2	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-2	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	21.4	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-003C CCR-3	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-3	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	26.1	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-004C CCR-4	Date Sampled:	12/18/25
Lab Sample ID:	LB24008-4	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	21.0	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

Report of Analysis

Client Sample ID:	25121128-005C CCR-5	Date Sampled:	12/18/25
Lab Sample ID:	LB24008-5	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	22.2	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-006C CCR-6	Date Sampled:	12/18/25
Lab Sample ID:	LB24008-6	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	15.9	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-007C CCR-7	Date Sampled:	12/17/25
Lab Sample ID:	LB24008-7	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	14.5	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-008C CCR-8	Date Sampled:	12/17/25
Lab Sample ID:	LB24008-8	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	31.9	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-009C CCR-9	Date Sampled:	12/17/25
Lab Sample ID:	LB24008-9	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	10	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-010C CCR-10	Date Sampled:	12/17/25
Lab Sample ID:	LB24008-10	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	44.1	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

Report of Analysis

Client Sample ID:	25121128-011C CCR-11	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-11	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	10.2	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-012C CCR-12	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-12	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	24.1	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

Report of Analysis

Client Sample ID:	25121128-013C CCR-13	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-13	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	26.7	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-014C CCR-14	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-14	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	19.2	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-015C DUPLICATE	Date Sampled:	12/16/25
Lab Sample ID:	LB24008-15	Date Received:	12/26/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	23.2	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25121128-016C FIELD BLANK	Date Sampled:	12/17/25
Lab Sample ID:	LB24008-16	Date Received:	12/26/25
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium	0.14	0.10	ug/l	1	12/29/25	12/29/25 HP	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA31411
(2) Prep QC Batch: MP32388

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY RECORD

Omega COCID 21352

PAGE: 1

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB24008

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775 FAX: (337) 237-8005 EMAIL:							
ACCOUNT #: ELA 059640 PO							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	25121128-001C 6020_W_SUB (SW6020A)	CCR-1	250HDPEHNO3	Aqueous	12/16/2025 3:40:00 PM	1	
2	25121128-002C 6020_W_SUB (SW6020A)	CCR-2	250HDPEHNO3	Aqueous	12/16/2025 3:00:00 PM	1	
3	25121128-003C 6020_W_SUB (SW6020A)	CCR-3	250HDPEHNO3	Aqueous	12/16/2025 2:20:00 PM	1	
4	25121128-004C 6020_W_SUB (SW6020A)	CCR-4	250HDPEHNO3	Aqueous	12/18/2025 9:55:00 AM	1	
5	25121128-005C 6020_W_SUB (SW6020A)	CCR-5	250HDPEHNO3	Aqueous	12/18/2025 9:10:00 AM	1	
6	25121128-006C 6020_W_SUB (SW6020A)	CCR-6	250HDPEHNO3	Aqueous	12/18/2025 8:15:00 AM	1	
7	25121128-007C 6020_W_SUB (SW6020A)	CCR-7	250HDPEHNO3	Aqueous	12/17/2025 1:05:00 PM	1	
8	25121128-008C 6020_W_SUB (SW6020A)	CCR-8	250HDPEHNO3	Aqueous	12/17/2025 12:20:00 PM	1	
9	25121128-009C 6020_W_SUB (SW6020A)	CCR-9	250HDPEHNO3	Aqueous	12/17/2025 11:15:00 AM	1	

Relinquished By: <i>[Signature]</i>	Date: <i>12-26-25</i>	Time: <i>12:05</i>	Received By: <i>[Signature]</i>	Date: <i>12-26-25</i>	Time: <i>12:05</i>
Relinquished By: <i>[Signature]</i>	Date: <i>12-26-25</i>	Time: <i>12:32</i>	Received By: <i>[Signature]</i>	Date: <i>12-26-25</i>	Time: <i>12:32</i>
TAT: Standard ☐ RUSH ☒ Next BD ☐ 2nd BD ☐ 3rd BD ☐			REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE		
Note: RUSH requests will incur surcharges!			FOR LAB USE ONLY Temp of samples <i>5.2</i> °C Attempt to Cool ? ☐ Comments: _____		

LB24008: Chain of Custody

Page 1 of 3



CHAIN OF CUSTODY RECORD

Omega COCID 21352

PAGE: 2

OF: 2

ADDRESS

Element Materials Technology
Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483
FAX: (337) 233-6540
Website: www.element.com

LB24008

SUB CONTRACTOR: ACCUTEST_LAF		COMPANY: SGS- Accutest Lafayette Labor		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 500 Ambassador Caffery Parkway							
CITY, STATE, ZIP: Scott, LA 70583							
PHONE: (337) 237-4775		FAX: (337) 237-8005		EMAIL:			
ACCOUNT #:		PO #: ELA 059640 PO					
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	25121128-010C 6020_W_SUB (SW6020A)	CCR-10	250HDPEHNO3	Aqueous	12/17/2025 8:55:00 AM	1	
11	25121128-011C 6020_W_SUB (SW6020A)	CCR-11	250HDPEHNO3	Aqueous	12/16/2025 6:20:00 PM	1	
12	25121128-012C 6020_W_SUB (SW6020A)	CCR-12	250HDPEHNO3	Aqueous	12/16/2025 5:40:00 PM	1	
13	25121128-013C 6020_W_SUB (SW6020A)	CCR-13	250HDPEHNO3	Aqueous	12/16/2025 5:00:00 PM	1	
14	25121128-014C 6020_W_SUB (SW6020A)	CCR-14	250HDPEHNO3	Aqueous	12/16/2025 4:30:00 PM	1	
15	25121128-015C 6020_W_SUB (SW6020A)	Duplicate	250HDPEHNO3	Aqueous	12/16/2025 5:40:00 PM	1	
16	25121128-016C 6020_W_SUB (SW6020A)	Field Blank	250HDPEHNO3	Aqueous	12/17/2025 11:20:00 AM	1	

Relinquished By: <i>John J. Shedd</i>	Date: 12-26-25	Time: 12:05	Received By: <i>Robert Brant</i>	Date: 12-26-25	Time: 12:25	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By: <i>John J. Shedd</i>	Date: 12-26-25	Time: 12:32	Received By: <i>[Signature]</i>	Date: 12-26-25	Time: 12:32	FOR LAB USE ONLY Temp of samples <u>5.2</u> °C Attempt to Cool? _____ Comments: _____	
TAT: Standard ☐ RUSH ☒ Next BD ☐ 2nd BD ☐ 3rd BD ☐							
Note: RUSH requests will incur surcharges!							

LB24008: Chain of Custody

Page 2 of 3

SGS Sample Receipt Summary

Job Number: lb24008

Client: ELEMENT

Project: _____

Date / Time Received: 12/26/2025 12:32:00 PM

Delivery Method: CLIENT D/O

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.0);

Cooler Security

Y or N

Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature

Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IR GUN</u> | |
| 3. Cooler media: <u>Ice (direct contact)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☐ ☒ | |
| 2. Trip Blank listed on COC: ☐ ☐ ☒ | |
| 3. Samples preserved properly: ☒ ☐ | |
| 4. VOCs headspace free: ☐ ☐ ☒ | |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s: _____ pH 1-12: _____ pH 12+: _____ Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

LB24008: Chain of Custody

Page 3 of 3

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB24008
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/29/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.14	2.3		
Antimony	0.50	.0022	.16		
Arsenic	0.10	.0079	.04		
Barium	0.10	.0041	.055		
Beryllium	0.10	.0035	.012		
Boron	5.0	.43	3.6		
Cadmium	0.10	.0016	.044		
Calcium	10	4.3	4.5		
Cerium	0.10	.0015	.009		
Chromium	0.50	.016	.2		
Cobalt	0.10	.0016	.031		
Copper	0.10	.008	.039		
Iron	10	.097	3.7		
Lithium	0.10	.012	.037	0.033	<0.10
Lead	0.10	.01	.079		
Lanthanum	0.10	.0017	.005		
Magnesium	10	.16	4		
Manganese	0.10	.0091	.003		
Molybdenum	0.10	.0038	.01		
Nickel	0.10	.0038	.049		
Potassium	50	2.5	13		
Selenium	0.10	.15	.042		
Silver	0.10	.0024	.028		
Silicon	20	4.2	7.1		
Sodium	50	2.2	17		
Strontium	0.10	.0054	.027		
Thallium	0.10	.0023	.011		
Tin	2.0	.02	.14		
Titanium	0.10	.021	.068		
Uranium	0.10	.0019	.014		
Vanadium	0.10	.0087	.076		
Zinc	1.0	.017	.36		

Associated samples MP32388: LB24008-1, LB24008-2, LB24008-3, LB24008-4, LB24008-5, LB24008-6, LB24008-7, LB24008-8, LB24008-9, LB24008-10, LB24008-11, LB24008-12, LB24008-13, LB24008-14, LB24008-15, LB24008-16

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LB24008
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/29/25

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.1

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB24008
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1 Original MS		SpikeLot MPICPMS6 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Cerium					
Chromium					
Cobalt					
Copper					
Iron					
Lithium	21.2	103	100	81.8	75-125
Lead					
Lanthanum					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Silicon					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP32388: LB24008-1, LB24008-2, LB24008-3, LB24008-4, LB24008-5, LB24008-6, LB24008-7, LB24008-8, LB24008-9, LB24008-10, LB24008-11, LB24008-12, LB24008-13, LB24008-14, LB24008-15, LB24008-16

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB24008
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1 Original MS	Spike lot MPICPMS6 % Rec	QC Limits
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Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB24008
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1 Original MSD	Spikelot MPICPMS6 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Cerium				
Chromium				
Cobalt				
Copper				
Iron				
Lithium	21.2	104	100	82.8
Lead				
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP32388: LB24008-1, LB24008-2, LB24008-3, LB24008-4, LB24008-5, LB24008-6, LB24008-7, LB24008-8, LB24008-9, LB24008-10, LB24008-11, LB24008-12, LB24008-13, LB24008-14, LB24008-15, LB24008-16

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LB24008
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1 Original MSD	SpikeLot MPICPMS6 % Rec	MSD RPD	QC Limit
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Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2

5

5.1.3

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

Units: ug/l

12/29/25



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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LB24008

Account: SLLAL - Element Materials Technology

Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388

Methods: SW846 6020A

Matrix Type: AQUEOUS

Units: ug/l

Prep Date: 12/29/25

Metal	BSP Result	Spike lot MPICPMS6 % Rec	QC Limits
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Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.3
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB24008
 Account: SLLAL - Element Materials Technology
 Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1 Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Cerium				
Chromium				
Cobalt				
Copper				
Iron				
Lithium	21.2	26.2	23.6*(a)	0-10
Lead				
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP32388: LB24008-1, LB24008-2, LB24008-3, LB24008-4, LB24008-5, LB24008-6, LB24008-7, LB24008-8, LB24008-9, LB24008-10, LB24008-11, LB24008-12, LB24008-13, LB24008-14, LB24008-15, LB24008-16

5.1.4
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: LB24008
Account: SLLAL - Element Materials Technology
Project: Element Materials Technology, 2417 West Pinhook Road, Lafayette, LA

QC Batch ID: MP32388
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/29/25

Metal	LB24008-1		QC
	Original	SDL 1:5 %DIF	
			Limits

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

5.1.4

5



Laboratory Number 25621128

Client Name: Pivotal Engineering LLC Contact Name: Terry Elnaggar Phone/Fax: (504) 799-3653				Project: CCR Assessment Monitoring Sampler's Signature:		Preserv. HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃		Number / Type of Container	Matrix Code	Test Requested										Comments / Remarks		
										300: Fluoride	*6010/**6020 metals	***6020 Sub	7470 Mercury									
Collection		Grab	Comp	Sample Identification / Description																		
Date	Time																					
2/11/25	1520	X		C	C	R	-	1	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							*6010 Metals: Ba, Be, Cd, Cr, Co, Pb, Mo, Se
↓	1500	X		C	C	R	-	2	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
↓	1420	X		C	C	R	-	3	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							**6020 Metals: As, Sb, Ti
2/18/25	0955	X		C	C	R	-	4	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
↓	0910	X		C	C	R	-	5	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							***6020 Sub Metal: Li
↓	0815	X		C	C	R	-	6	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
2/17/25	1305	X		C	C	R	-	7	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
↓	1220	X		C	C	R	-	8	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
↓	1115	X		C	C	R	-	9	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							
↓	0855	X		C	C	R	-	10	None/ HNO ₃	3 Plastic	Aq	X	X	X	X							UPS / FedEx Airborne / Element Hand / Mail

P.O. Number

<u>Matrix Codes</u> DW = Drinking Water AQ = Aqueous LIQ = Liquid GW = Ground Water O = Oil SLD = Solid WW = Waste Water SO = Soil SL = Sludge	<u>Container Types</u> G = Glass P = Plastic V = Vial	<u>Shipping Conditions</u> ☒ Iced ☐ Temp. ☐ Ambient	<u>Requested TAT</u> ☐ 24-Hr. ☐ 72-Hr. ☐ 48-Hr. ☒ Standard ☐ Other _____	Thank-you for using Element Materials Technology
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Thank-you for using Element Materials
Technology

