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ANALYTICAL REPORT

PREPARED FOR

Attn: Heather Medley
Central Plateau Cleanup Company LLC
PO BOX 1464
Richland, Washington 99352

Generated 3/27/2025 1:46:44 PM

JOB DESCRIPTION

T25-029
SL57415-1

JOB NUMBER

160-57415-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

1 of 18

Eurofins St. Louis

Job Notes

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

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

Authorization

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Authorized for release by
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(314)298-8566

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Laboratory Job ID: 160-57415-1
SDG: SL57415-1

Table of Contents

Case Narrative

Client: Central Plateau Cleanup Company LLC Job ID: 160-57415-1
Project: T25-029

Job ID: 160-57415-1 Eurofins St. Louis

SDG : SL57415-1
Number of Samples : 6
Sample Matrix : Water
Data Deliverable : Summary
Date SDG Closed : March 11, 2025

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

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

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

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

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

For Metals analyses performed in St. Louis, per standard practice, 6020 water and soil samples are initially prepared at 2x dilution. This standard dilution does not affect reporting limits as MDL studies are also prepared in the same manner. These dilutions do not necessitate a narrative note; however, they are flagged "D" due to a limitation in the LIMS.

For volatile organic analysis, several analytes are considered poor performers and may not meet client QC limits. Per SMO direction, excursions outside the client's requested limits will include a non-conformance in the sections below.

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

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

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

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

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions.

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

The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** – For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- **B** – For organic analyses, Method Blank contamination. The Method Blank contains the target analyte above the MDL/RL, and Method Blank is greater than 5% of the sample concentration.
- **B** – For inorganics and radiochemistry, Method Blank reported above the MDC/MDL.
- **J** – For organic analyses, the sample is estimated and less than the RL. If on Method Blank, indicates Method Blank contamination.
- **C** – For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL/RL and Method Blank concentration is greater than 5% of the sample concentration.
- **D** – For all analyses, the sample result was obtained from the analysis of a dilution. For ICPMS Metals analyses in St. Louis only, per standard practice, all samples are initially prepared at a 2x dilution. This standard dilution does not affect reporting limits as MDL studies are also prepared in the same manner and will not be narrated below. Only dilutions above 2x will be

Case Narrative

Client: Central Plateau Cleanup Company LLC Job ID: 160-57415-1
Project: T25-029

Job ID: 160-57415-1 (Continued) Eurofins St. Louis

narrated and considered a true dilution for these samples.

- **N** – For inorganics, the spike/spike duplicate recoveries are outside QC limits.
- **T** – For GCMS analysis, the spike/spike duplicate recoveries are outside QC limits.
- **O** – For all analyses, the LCS (LCSD) recoveries are outside QC limits.
- **X-** Organics – Sample concentration over calibration and/or surrogate recovery outside QC limits.
- **X -** Inorganics – The analyte present in the original sample is > 4x the spike concentration.
- **X -** Radiochemistry – Carrier or Tracer recovery is outside limits.
- **Z -** Sample was prepped or analyzed beyond the specified sample holding time.
- **y –** RPD is outside established limits.

Receipt
The samples were received on 3/11/2025 8:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 16.7°C.

Method 6010D - Metals (ICP) - Total and Dissolved
Samples B4L0V3 (160-57415-1), B4L0X9 (160-57415-3) and B4L0V4 (160-57415-5) were analyzed for Metals (ICP). The samples were prepared on 3/12/2025 and analyzed on 3/13/2025.

Samples B4L0V9 (160-57415-2), B4L1J1 (160-57415-4) and B4L0W0 (160-57415-6) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 3/12/2025 and analyzed on 3/13/2025.

The post digestion spike % recovery for calcium associated with batch 160-708113 was outside of control limits. The associated sample is: (160-57391-A-6-B PDS).

The continuing calibration verification (CCV) associated with batch 160-708113 recovered above the upper control limit for iron. The reported samples associated with this CCV were below the reporting limit for the affected analytes; therefore, the data have been reported. (CCV 160-708113/95)

Method 6020B - Metals (ICP/MS) - Total and Dissolved
Samples B4L0V3 (160-57415-1), B4L0X9 (160-57415-3) and B4L0V4 (160-57415-5) were analyzed for Metals (ICP/MS). The samples were prepared on 3/12/2025 and analyzed on 3/13/2025.

Samples B4L0V9 (160-57415-2), B4L1J1 (160-57415-4) and B4L0W0 (160-57415-6) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 3/12/2025 and analyzed on 3/13/2025.

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

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, all deviations, from either the analyses requested, or the case narrative requested. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager or designee and the laboratory's client services representative as verified by their signature on this report.

Reviewed and approved:
Casey Robertson
St. Louis Project Manager

Central Plateau Cleanup Company	**CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST**	C.O.C. # **T25-029-208** PAGE 1 OF 1

Collector: Lorin Kelly/CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650
SAF No.: T25-029	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901893
Project Title: 100-HR-3 D North Rebound, March 2025	**Logbook No.:** HNF-N-506 145-57	**Ice Chest No.:** GWS-147
Shipped To (Lab): TestAmerica St. Louis	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 772608258588
Protocol: CERCLA	**Priority:** 30 Days	**Offsite Property No.:** N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1

SPECIAL INSTRUCTIONS

THIS SAF IS NOT TO BE PUT IN AN SDG WITH OTHER SAFS.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4L0V3	N	W	MAR ~~FEB~~ 0 7 2025 LL 3-7-25	0700	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2
B4L0V9	Y	W		1	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2

160-57415 Chain of Custody

Relinquished By			Received By		
Print First and Last Name	*Signature*	*Date/Time*	*Print First and Last Name*	*Signature*	*Date/Time*
Lorin Kelly/CPCCo	L Kelly	~~FEB~~ MAR 0 7 2025 0930	Mike Esparza / CPCC	LL 3-7-25	~~FEB~~ MAR 0 7 2025 0930
Mike Esparza / CPCC		MAR 0 7 2025 1010	SSU-1		MAR 0 7 2025 1010
SSU-1		MAR 1 0 2025 0700	Troy Bacon CPCC	Troy Bacon	MAR 1 0 2025 0700
Troy Bacon CPCC	Troy Bacon	MAR 1 0 2025 1400	FEDEX		
FED EX			Sierra Worthington	3/11/25	0825

Matrix *

S = Soil		DS = Drum Solids	
SE = Sediment		DL = Drum Liquids	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:

Printed On 12/31/2024 **FSR ID =** FSR153980 Report Format: 02/29/2024

Central Plateau Cleanup Company	**CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST**	C.O.C. # **T25-029-211** PAGE 1 OF 1

Collector: Lorin Kelly/CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650
SAF No.: T25-029	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901893
Project Title: 100-HR-3 D North Rebound, March 2025	**Logbook No.:** HNF-N-506	**Ice Chest No.:** GWS-147
Shipped To (Lab): TestAmerica St. Louis	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 772608258588
Protocol: CERCLA	**Priority:** 30 Days	**Offsite Property No.:** N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1

SPECIAL INSTRUCTIONS

THIS SAF IS NOT TO BE PUT IN AN SDG WITH OTHER SAFS.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4L0X9	N	W	~~FEB 0 7 2025~~ March 7 2025	0843	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2
B4L1J1	Y	W	"	"	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2

Relinquished By			Received By		
Print First and Last Name	*Signature*	*Date/Time*	*Print First and Last Name*	*Signature*	*Date/Time*
Lorin Kelly/CPCCo	Lorin Kelly	~~FEB 0 7 2025~~ March 7 2025 0930	Mike Esparza / CPCC		~~FEB 0 7 2025~~ March 7 2025 0930
Mike Esparza / CPCC		MAR 0 7 2025 1010	SSU-1		MAR 0 7 2025 1010
SSU-1		MAR 1 0 2025 0700	Troy Bacon CPCC	Troy Bacon	MAR 1 0 2025 0700
Troy Bacon CPCC	Troy Bacon	MAR 1 0 2025 1400	FEDEX		
FED EX			Siena Worthington		3/11/25 0825
			Sierra Worthington		

Matrix *

S = Soil		DS = Drum Solids	
SE = Sediment		DL = Drum Liquids	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:

Printed On 12/31/2024 **FSR ID =** FSR153962 Report Format: 02/29/2024

Central Plateau Cleanup Company	**CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST**	C.O.C. # **T25-029-209** PAGE 1 OF 1

Collector: Lorin Kelly/CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650
SAF No.: T25-029	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901893
Project Title: 100-HR-3 D North Rebound, March 2025	**Logbook No.:** HNF-N-506 145/57	**Ice Chest No.:** GWS-147
Shipped To (Lab): TestAmerica St. Louis	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 772608258588
Protocol: CERCLA	**Priority:** 30 Days	**Offsite Property No.:** N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1

SPECIAL INSTRUCTIONS

THIS SAF IS NOT TO BE PUT IN AN SDG WITH OTHER SAFS.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4L0V4	N	W	~~FEB 07 2025~~ March 7 2025	0812	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2
B4L0W0	Y	W	〃	〃	1x500-mL G/P	SMR_GW6010_01; SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2

Relinquished By			Received By		
Print First and Last Name	*Signature*	*Date/Time*	*Print First and Last Name*	*Signature*	*Date/Time*
Lorin Kelly/CPCCo	L Kelly	~~FEB 07 2025~~ March 7 2025 0930	Mike Esparza / CPCC		~~FEB 07 2025~~ March 7 2025 0930
Mike Esparza / CPCC		MAR 07 2025 1010	SSU-1		MAR 07 2025 1010
SSU-1		MAR 10 2025 0700	Troy Bacon CPCC	Troy Bacon	MAR 10 2025 0700
Troy Bacon CPCC	Troy Bacon	MAR 10 2025 1400	FEDEX		
FED EX			Sierra Worthington		3/11/25 0825

Matrix *

S = Soil		DS = Drum Solids	
SE = Sediment		DL = Drum Liquids	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:

Printed On 12/31/2024 **FSR ID =** FSR153958 Report Format: 02/29/2024

Login Sample Receipt Checklist

Client: Central Plateau Cleanup Company LLC

Job Number: 160-57415-1
SDG Number: SL57415-1

Login Number: 57415
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Estimated result. Result is less than the RL, but greater than MDL
D	The reported value is from a dilution.
U	Analyzed for but not detected.

Glossary

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

Method Summary

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SL
6020B	Metals (ICP/MS)	SW846	EET SL
3010A	Preparation, Total Metals	SW846	EET SL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57415-1	B4L0V3	Water	03/07/25 07:00	03/11/25 08:25
160-57415-2	B4L0V9	Water	03/07/25 07:00	03/11/25 08:25
160-57415-3	B4L0X9	Water	03/07/25 08:43	03/11/25 08:25
160-57415-4	B4L1J1	Water	03/07/25 08:43	03/11/25 08:25
160-57415-5	B4L0V4	Water	03/07/25 08:12	03/11/25 08:25
160-57415-6	B4L0W0	Water	03/07/25 08:12	03/11/25 08:25

Client Sample Results

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: B4L0V3
Date Collected: 03/07/25 07:00
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:19	1
Iron	39.2	U	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:19	1
Magnesium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:19	1
Potassium	676	U	5000	676	ug/L		03/12/25 12:35	03/13/25 19:19	1
Sodium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:19	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:19	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:19	1

Client Sample ID: B4L0X9
Date Collected: 03/07/25 08:43
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**33700**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:42	1
Iron	39.2	U	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:42	1
Magnesium	**1330**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:42	1
Potassium	**4250**	**B**	5000	676	ug/L		03/12/25 12:35	03/13/25 19:42	1
Sodium	**7920**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:42	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:42	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:42	1

Client Sample ID: B4L0V4
Date Collected: 03/07/25 08:12
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**41600**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:51	1
Iron	**72.5**	**B**	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:51	1
Magnesium	**11000**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:51	1
Potassium	**2890**	**B**	5000	676	ug/L		03/12/25 12:35	03/13/25 19:51	1
Sodium	**4350**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:51	1
Vanadium	**4.2**	**B**	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:51	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:51	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Client Sample ID: B4L0V9
Date Collected: 03/07/25 07:00
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:37	1
Iron	39.2	U	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:37	1
Magnesium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:37	1
Potassium	676	U	5000	676	ug/L		03/12/25 12:35	03/13/25 19:37	1
Sodium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:37	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:37	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:37	1

Client Sample ID: B4L1J1
Date Collected: 03/07/25 08:43
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**32500**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:47	1

Client Sample Results

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Client Sample ID: B4L1J1
Date Collected: 03/07/25 08:43
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**45.0**	**B**	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:47	1
Magnesium	**1310**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:47	1
Potassium	**3920**	**B**	5000	676	ug/L		03/12/25 12:35	03/13/25 19:47	1
Sodium	**7390**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:47	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:47	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:47	1

Client Sample ID: B4L0W0
Date Collected: 03/07/25 08:12
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**40700**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:56	1
Iron	39.2	U	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:56	1
Magnesium	**11400**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:56	1
Potassium	**2930**	**B**	5000	676	ug/L		03/12/25 12:35	03/13/25 19:56	1
Sodium	**4460**		1000	300	ug/L		03/12/25 12:35	03/13/25 19:56	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:56	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:56	1

Method: SW846 6020B - Metals (ICP/MS)

Client Sample ID: B4L0V3
Date Collected: 03/07/25 07:00
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.3	U D	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 15:53	2

Client Sample ID: B4L0X9
Date Collected: 03/07/25 08:43
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**5.9**	**B D**	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 16:14	2

Client Sample ID: B4L0V4
Date Collected: 03/07/25 08:12
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**18.9**	**D**	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 16:19	2

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Client Sample ID: B4L0V9
Date Collected: 03/07/25 07:00
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.3	U D	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 16:09	2

Client Sample Results

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Client Sample ID: B4L1J1
Date Collected: 03/07/25 08:43
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4.5	B D	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 16:17	2

Client Sample ID: B4L0W0
Date Collected: 03/07/25 08:12
Date Received: 03/11/25 08:25

Lab Sample ID: 160-57415-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12.1	D	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 16:22	2

QC Sample Results

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 160-707390/1-A
Matrix: Water
Analysis Batch: 708113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:01	1
Iron	39.2	U	100	39.2	ug/L		03/12/25 12:35	03/13/25 19:01	1
Magnesium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:01	1
Potassium	676	U	5000	676	ug/L		03/12/25 12:35	03/13/25 19:01	1
Sodium	300	U	1000	300	ug/L		03/12/25 12:35	03/13/25 19:01	1
Vanadium	4.0	U	50.0	4.0	ug/L		03/12/25 12:35	03/13/25 19:01	1
Zinc	6.0	U	20.0	6.0	ug/L		03/12/25 12:35	03/13/25 19:01	1

Lab Sample ID: LCS 160-707390/2-A
Matrix: Water
Analysis Batch: 708113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	10300		ug/L		103	80 - 120
Iron	10000	10190		ug/L		102	80 - 120
Magnesium	10000	10010		ug/L		100	80 - 120
Potassium	10000	9568		ug/L		96	80 - 120
Sodium	10000	9897		ug/L		99	80 - 120
Vanadium	1000	977.1		ug/L		98	80 - 120
Zinc	1000	968.3		ug/L		97	80 - 120

Lab Sample ID: 160-57415-1 MS
Matrix: Water
Analysis Batch: 708113

Client Sample ID: B4L0V3
Prep Type: Total/NA
Prep Batch: 707390

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	300	U	10000	10330		ug/L		103	75 - 125
Iron	39.2	U	10000	10000		ug/L		100	75 - 125
Magnesium	300	U	10000	9635		ug/L		96	75 - 125
Potassium	676	U	10000	9226		ug/L		92	75 - 125
Sodium	300	U	10000	9662		ug/L		97	75 - 125
Vanadium	4.0	U	1000	941.5		ug/L		94	75 - 125
Zinc	6.0	U	1000	970.1		ug/L		97	75 - 125

Lab Sample ID: 160-57415-1 MSD
Matrix: Water
Analysis Batch: 708113

Client Sample ID: B4L0V3
Prep Type: Total/NA
Prep Batch: 707390

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	300	U	10000	10210		ug/L		102	75 - 125	1	20
Iron	39.2	U	10000	10100		ug/L		101	75 - 125	1	20
Magnesium	300	U	10000	9924		ug/L		99	75 - 125	3	20
Potassium	676	U	10000	9414		ug/L		94	75 - 125	2	20
Sodium	300	U	10000	9906		ug/L		99	75 - 125	2	20
Vanadium	4.0	U	1000	954.6		ug/L		95	75 - 125	1	20
Zinc	6.0	U	1000	953.2		ug/L		95	75 - 125	2	20

QC Sample Results

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 160-707389/1-A
Matrix: Water
Analysis Batch: 708109

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.3	U D	10.0	1.3	ug/L		03/12/25 12:27	03/13/25 15:48	2

Lab Sample ID: LCS 160-707389/2-A
Matrix: Water
Analysis Batch: 708109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707389

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium			1000	994.5	D	ug/L		99	80 - 120		

Lab Sample ID: 160-57415-1 MS
Matrix: Water
Analysis Batch: 708109

Client Sample ID: B4L0V3
Prep Type: Total/NA
Prep Batch: 707389

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	1.3	U D	1000	1011	D	ug/L		101	75 - 125		

Lab Sample ID: 160-57415-1 MSD
Matrix: Water
Analysis Batch: 708109

Client Sample ID: B4L0V3
Prep Type: Total/NA
Prep Batch: 707389

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	1.3	U D	1000	1004	D	ug/L		100	75 - 125	1	20

QC Association Summary

Client: Central Plateau Cleanup Company LLC
Project/Site: T25-029

Job ID: 160-57415-1
SDG: SL57415-1

Metals

Prep Batch: 707389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57415-1	B4L0V3	Total/NA	Water	3010A	
160-57415-2	B4L0V9	Dissolved	Water	3010A	
160-57415-3	B4L0X9	Total/NA	Water	3010A	
160-57415-4	B4L1J1	Dissolved	Water	3010A	
160-57415-5	B4L0V4	Total/NA	Water	3010A	
160-57415-6	B4L0W0	Dissolved	Water	3010A	
MB 160-707389/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-707389/2-A	Lab Control Sample	Total/NA	Water	3010A	
160-57415-1 MS	B4L0V3	Total/NA	Water	3010A	
160-57415-1 MSD	B4L0V3	Total/NA	Water	3010A	

Prep Batch: 707390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57415-1	B4L0V3	Total/NA	Water	3010A	
160-57415-2	B4L0V9	Dissolved	Water	3010A	
160-57415-3	B4L0X9	Total/NA	Water	3010A	
160-57415-4	B4L1J1	Dissolved	Water	3010A	
160-57415-5	B4L0V4	Total/NA	Water	3010A	
160-57415-6	B4L0W0	Dissolved	Water	3010A	
MB 160-707390/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-707390/2-A	Lab Control Sample	Total/NA	Water	3010A	
160-57415-1 MS	B4L0V3	Total/NA	Water	3010A	
160-57415-1 MSD	B4L0V3	Total/NA	Water	3010A	

Analysis Batch: 708109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57415-1	B4L0V3	Total/NA	Water	6020B	707389
160-57415-2	B4L0V9	Dissolved	Water	6020B	707389
160-57415-3	B4L0X9	Total/NA	Water	6020B	707389
160-57415-4	B4L1J1	Dissolved	Water	6020B	707389
160-57415-5	B4L0V4	Total/NA	Water	6020B	707389
160-57415-6	B4L0W0	Dissolved	Water	6020B	707389
MB 160-707389/1-A	Method Blank	Total/NA	Water	6020B	707389
LCS 160-707389/2-A	Lab Control Sample	Total/NA	Water	6020B	707389
160-57415-1 MS	B4L0V3	Total/NA	Water	6020B	707389
160-57415-1 MSD	B4L0V3	Total/NA	Water	6020B	707389

Analysis Batch: 708113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57415-1	B4L0V3	Total/NA	Water	6010D	707390
160-57415-2	B4L0V9	Dissolved	Water	6010D	707390
160-57415-3	B4L0X9	Total/NA	Water	6010D	707390
160-57415-4	B4L1J1	Dissolved	Water	6010D	707390
160-57415-5	B4L0V4	Total/NA	Water	6010D	707390
160-57415-6	B4L0W0	Dissolved	Water	6010D	707390
MB 160-707390/1-A	Method Blank	Total/NA	Water	6010D	707390
LCS 160-707390/2-A	Lab Control Sample	Total/NA	Water	6010D	707390
160-57415-1 MS	B4L0V3	Total/NA	Water	6010D	707390
160-57415-1 MSD	B4L0V3	Total/NA	Water	6010D	707390