SDG : GEL786726
Workorder : 786726
SAF T26
Central Plateau Cleanup Company (89223)

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

July 28, 2026

Ms. Heather Medley
Central Plateau Cleanup Company
200 East / MO-277 / 108
PO Box 1600
Richland, Washington 99352

Re: SAF T26
Work Order: 786726
SDG: GEL786726

Dear Ms. Medley:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 21, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Latarsha Green for
Heather Shaffer
Project Manager

Purchase Order: 901802-7H
Chain of Custody: T26-085-040, T26-085-041 and T26-085-043
Enclosures

problem solved

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Case Narrative

General Narrative
for
Central Plateau Cleanup Company (89223)
SAF T26
SDG: GEL786726

July 28, 2026

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt

The sample(s) arrived at GEL Laboratories, LLC, Charleston, South Carolina on July 21, 2026, for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

The laboratory preserved the following containers:
No containers were preserved at GEL

Items of Note All efforts were made by the lab to meet any short hold times. Samples that were analyzed outside of the initial hold time but still within 2X hold time will be noted in the lab case narrative.

Sample Identification
The laboratory received the following samples:

Laboratory Identification	Sample Description
786726001	B4VR25
786726002	B4VR26
786726003	B4VD29
786726004	B4VD28

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. GEL has received project-specific exceptions to QSM 6.0. There are no technical exceptions to QSM 6.0 other than adherence to client-defined requirements outlined in the SOW. Documentation of these exceptions is included in the Project Management section of the data package. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

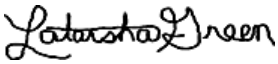
Data Package

The enclosed data package contains the following sections: General Narrative, Chain of Custody and Supporting Documentation, and data from the following fractions: Radiochemistry and Metals.

We certify that this package is in compliance with the Analytical Laboratory Services for Central Plateau Cleanup Company Statement of Work, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this data package deliverable has been authorized by the Laboratory Analytical

Case Narrative
HOME

Manager (or designee) and the laboratory's client services representative as verified by their signatures on this report.



Latarsha Green for
Heather Shaffer
Project Manager

Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL786726
Work Order #: 786726

Metals

Determination of Metals by ICP

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	786726	
	003	004
Vanadium	10X	10X

Samples were diluted for uranium to bring raw values within the instrument's linear range and, for analytes affected by interference, to ensure the inter-element correction factors were valid. 786726003 (B4VD29) and 786726004 (B4VD28).

Determination of Metals by ICP-MS

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

Continuing Calibration Blanks (CCB) Requirements
All continuing calibration blanks(CCB) bracketing the sample in this SDG did not meet the acceptance criteria. The samples bracketed by this CCB, however, contained uranium with a concentration at least ten times greater than the concentration in the CCB. This indicates that any contribution to the concentration of these elements in the samples from potential laboratory contamination would be minimal.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement
The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike recovery was within the required control limits. This verifies the absence of a matrix interference in the post-spike digested sample. The recovery may be attributed to possible sample matrix interference and/or non-homogeneity.

Sample	Analyte	Value
1206533854 (Non SDG 786745001MSD)	Beryllium	128* (75%-125%)

Case Narrative
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Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	786726	
	003	004
Uranium	400X	400X

Samples 786726003 (B4VD29) and 786726004 (B4VD28) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Radiochemistry

SMR_TC99_LSC

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Chain of Custody and Supporting Documentation

Central Plateau Cleanup Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 786726	C.O.C. # T26-085-040 PAGE 1 OF 1

Collector: Matt Ostby / CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650	
SAF No.: T26-085	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901802	
Project Title: 200-DV-1 Perched Water, July 2026	**Logbook No.:** HNF-N-~~506~~ 491-25 (at 7-22-26)	**Ice Chest No.:** GWS-941	
Shipped To (Lab): GEL Laboratories, LLC	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 8746294445120	
Protocol: CERCLA	**Priority:** 7 Days **PRIORITY**	**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.
Low Volume Well. Do not use for QC.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4VR25	N	W	JUL 20 2026	0900	1x60-mL G/P	SMR_TC99_LSC	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*
Matt Ostby / CPCCo	Matt Ostby	JUL 20 2026 1015	Anthony Noggles / CPOC		JUL 20 2026 1015
Anthony Noggles / CPOC		JUL 20 2026 1400	FEDEX		
FedEx			M. Stemer	M. Stemer	7-21-26 1315

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	

Chain of Custody

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

Printed On 5/28/2026 FSR ID = FSR170514 Report Format: 02/29/2024

Central Plateau Cleanup Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 786726	C.O.C. # T26-085-041 PAGE 1 OF 1

Collector: Matt Ostby / CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650	
SAF No.: T26-085	**Sampling Origin:** Hanford Site Dlt 7-20-26	**Purchase Order/Charge Code:** 901802	
Project Title: 200-DV-1 Perched Water, July 2026	**Logbook No.:** HNF-N-~~506~~ 491-25	**Ice Chest No.:** GWS-941	
Shipped To (Lab): GEL Laboratories, LLC	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 874629445120	
Protocol: CERCLA	**Priority:** 7 Days **PRIORITY**	**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.
Low Volume Well. Do not use for QC.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4VR26	N	W	JUL 20 2026	0940	1x60-mL G/P	SMR_TC99_LSC	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*
Matt Ostby / CPCCo	Matt Ostby	JUL 20 2026 1015	Anthony Noggles / CPCC		JUL 20 2026 1015
Anthony Noggles / CPCC	FedEx	JUL 20 2026 1440	FEDEX		
			m.sterner	m.sterner	7-21-26 1315

Matrix *

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

Chain of Custody

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

Printed On 5/28/2026 FSR ID = FSR170514 Report Format: 02/29/2024

Central Plateau Cleanup Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 786726	C.O.C. # T26-085-043 PAGE 1 OF 1

Collector: Matt Ostby / CPCCo	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650	
SAF No.: T26-085	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901802	
Project Title: 200-DV-1 Perched Water, July 2026	**Logbook No.:** HNF-N-~~506~~ 491-25	**Ice Chest No.:** GWS- 941	
Shipped To (Lab): GEL Laboratories, LLC	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 8746294455120	
Protocol: CERCLA	**Priority:** 7 Days **PRIORITY**	**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.
Low Volume Well. Do not use for QC.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4VD29	Y	W	JUL 20 2026	0910	1x125-mL G/P	SMR_GW6010_01; SMR_GW6020_01	6 Months	HNO3 to pH <2
B4VR28	N	W	JUL 20 2026	0910	1x125-mL G/P	SMR_GW6010_01; SMR_GW6020_01	6 Months	HNO3 to pH <2

Chain of Custody

Relinquished By			Received By		
Print First and Last Name	*Signature*	*Date/Time*	*Print First and Last Name*	*Signature*	*Date/Time*
Matt Ostby / CPCCo		JUL 20 2026 1015	Anthony Noggles / CPCC		JUL 20 2026 1015
Anthony Noggles / CPCC		JUL 20 2026 1100	FEDEX		
FedEx			M Sterner	M Sterner	7-21-26 1315

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	

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

Printed On 5/28/2026 FSR ID = FSR170515 Report Format: 02/29/2024

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: CPRC | SDG/AR/COC/Work Order: 786726 | GEL PM:

Received By: MLS | Date Received at GEL: 7-21-26

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
8746 1205 5916	2				
8746 2944 5120	3				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?	✓		COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?	✓		Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was an SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	✓			If Yes, are Encores or Soil Kits present? Yes___ No ✓ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes ✓ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA ✓ Sample IDs and containers affected: B4W547(1), B4W4L3(1), B4W4P2(3), B4W591(1)
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials VM Date 7/22/26

Continuation Form Required when selected

GL-CHL-SR-001 Rev 9

Chain of Custody

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Data Review Qualifier Definitions

GEL LABORATORIES LLC
2040 Savage Road Charleston, SC 29407 (843) 556-8171

Report Date: 28-JUL-26

Project Specific Qualifier Definitions for GEL Client Code: CPRC

Qualifier	Qualifier Definition	Department	Fraction
*	Duplicate analysis not within control limits	Inorganics	
>	Result greater than quantifiable range or greater than upper limit of the analysis range	General Chemistry	
+	Correlation coefficient for Method of Standard Additions (MSA) is < 0.995	Inorganics	
<	Sample is below the EPA guidance level for Reactive Releasable Cyanide and/or Reactive Releasable Sulfide	General Chemistry	
A	The TIC is a suspected aldol-condensation product	Organics	Semi-Volatile
B	The analyte was detected in both the associated QC blank and in the sample.	Organics	
B	The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).	General Chemistry	
B	The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).	Inorganics	Metals
B	The analyte was detected in the associated method blank >/= MDC or >5% sample activity.	Radiological	
C	Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.	Inorganics	Metals
C	Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.	General Chemistry	
C	Analyte has been confirmed by GC/MS analysis	Organics	Pesticide
D	Results are reported from a diluted aliquot of sample.		
E	Concentration exceeds the calibration range of the instrument	Organics	
E	Reported value is estimated due to interferences. See comment in narrative.		
J	The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).Value is estimated	Organics	
M	Duplicate precision not met.	Inorganics	Metals
N	Spike Sample recovery is outside control limits.		
O	Analyte failed to recover within LCS limits (0rganics only)	Organics	
P	Aroclor target analyte with greater than 25% difference between column analyses.	Organics	
S	Reported value determined by the Method of Standard Additions (MSA)	Inorganics	
T	Spike and/or spike duplicate sample recovery is outside control limits.	Organics	
U	Analyzed for but not detected above the MDL, MDA, MDC or LOD.		
W	Post-digestion spike recovery for GFAA out of control limit. Sample absorbency < 50% of spike absorbency.	Inorganics	
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier		
Y	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier		
Z	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier		
UX	Gamma Spectroscopy--Uncertain identification	Radiological	
O	Analyte failed to recover within LCS limits	Radiological	Rad
H	Laboratory holding time exceeded before the sample was analyzed.		
O	Analyte failed to recover within LCS limits	Inorganics	Metals
O	Analyte failed to recover within LCS limits	General Chemistry	General Chem

Data Review Qualifier
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Laboratory Certifications and QSM Waiver

List of current GEL Certifications as of 28 July 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2025022
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2026-139
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122026-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC

QSM 6.0 Compliance Waiver Form (Alternative Client Waivers Accepted)

Please complete the sections below if a project-specific plan requires a waiver from QSM 6.0 requirements. This form ensures that the client has formally notified the laboratory of any deviations from QSM 6.0 that are necessary for their project needs. Per QSM 6.0, all waivers must be approved by the customer-identified technical point of contact and include project-specific technical justification.

Instructions:

1. Provide detailed information for each requirement.
2. Mark any non-applicable sections as 'N/A'.
3. Contact your project manager for clarification if needed.
4. Submit form to your Project Manager

		If the criteria below is specified in the SOW, simply state: SOW specifies criteria
Requirement	**Details**	**Client Exception / Technical Justification**
1. Market Type or End Use of Data	DOD / DOE QSM 6.0	N/A Contract with GEL stipulates compliance with QSM (Please note that specifications listed in statement of work (SOW) supersede QSM requirements)
2. Data Package Requirements	**Check** Items **NOT** required in each package: 7.8.2.1.ee Standard Traceability ☑ 7.8.2.1.ff Instrument output (raw data) ☑ 7.8.2.1.gg Instrument or sequence run logs ☑ **(Note: All items listed above will be included unless waived by the client)** **7.8.2.1.x Waiver from QSM requirements ☑**	The items listed are required for CPCCo standalone data packages and in the sample delivery group purge file. The items are not required for summary data packages. This is SOW specific criteria Sections 4.6 and 8.3.
3. Data Reporting	QSM 6.0 requires "non-detects" to be reported as < PTRL or < LOQ (Chemistry) or < Critical Level (Rad) How should non-detects (U qualified results) be reported for this project? - Chemistry: MDL ☑ PQL ☐ LOD ☐ CRDL ☐ - Radiochemistry: MDA ☑ Critical Level ☐	SOW specifies criteria.
4. Qualifiers	Apply QSM Specific Qualifiers? Or Client Specific Qualifiers (Provided)?	SOW specifies criteria – Appendix D

5. Method Blank Criteria	**Chemistry**: Any target analyte exceeds 1/2 the LOQ or 1/10th the amount measured in any associated sample, whichever is greater. Any common laboratory contaminant exceeds the LOQ or 1/10th the amount measured in any associated sample, whichever is greater. **Radiochemistry**: Acceptance criteria shall be: |ZBlank| ≤ 3	SOW specifies criteria.
6. Laboratory Control Sample Criteria	**Chemistry**: QSM 6.0 Appendix C Limits **Radiochemistry**: Control limit for |ZLCS| ≤ 3	SOW specifies criteria – Appendix B.
7. Appendix B Quality Control Requirements:	Apply Appendix B Quality Control Requirements to all applicable tests? (**Note: All QC requirements listed in Appendix B will be applied unless waived by the client**)	QSM Appendix B QC requirements are to be followed EXCEPT method blanks, LCS/LCSD, MS/MSD recoveries and RPDs, surrogate recoveries, tracer/carrier recoveries, and matrix duplicate RPD. SOW specifies criteria for method blanks, LCS/LCSD, MS/MSD recoveries and RPDs, surrogate recoveries, tracer/carrier recoveries, and matrix duplicate RPD.
8. Additional QSM Requirement(s): Data Reporting	*Note: Please list all additional QSM 6.0 exceptions* **Check** Items **NOT** required in each package: 7.8.2.1.v manual integration chromatograms 7.8.2.1.w LOD/LOQ verification data for infrequent method 7.8.2.1.dd sample preparation records	The items listed are required for CPCCo standalone data packages and in the sample delivery group purge file. The items are not required for summary data packages. This is SOW specific criteria Sections 4.6 and 8.3.

Agreement

By signing this form, the client confirms that the above waiver is accurate. Changes requested after data reporting may incur additional charges.

Medley, Heather A Digitally signed by Medley, Heather A Date: 2025.06.24 12:01:38 -07'00'

Technical Point of Contact: _Heather Medley_____ Signature: _____ Date:_____

Email: _heather_a_medley@rl.gov_____ Phone: __509-373-6909_____

Client Name: _____

Project ID: _____ Contract #: _____ GEL Quote #: _____

Certs/QSM Waiver

HOME

Case Narrative
Sample Summary
Quality Control Summary

Metals Analysis

HOME

Case Narrative

Metals
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL786726
Work Order #: 786726

Product: **Determination of Metals by ICP**
Analytical Method: SW846 3005A/6010D
Analytical Procedure: GL-MA-E-013 REV# 35
Analytical Batch: 3030566

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 38
Analytical Batch: 3030567

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batches: 3030563 and 3030564

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
786726003	B4VD29
786726004	B4VD28
1206533845	Method Blank (MB)**ICP Batch 3030566**
1206533846	Laboratory Control Sample (LCS)
1206533850	786745001(NonSDGL) Serial Dilution (SD)
1206533847	786745001(NonSDGS) Matrix Spike (MS)
1206533848	786745001(NonSDGSD) Matrix Spike Duplicate (MSD)
1206533851	Method Blank (MB)**ICP-MS Batch 3030567**
1206533852	Laboratory Control Sample (LCS)
1206533856	786745001(NonSDGL) Serial Dilution (SD)
1206533853	786745001(NonSDGS) Matrix Spike (MS)
1206533854	786745001(NonSDGSD) Matrix Spike Duplicate (MSD)
1206533855	786745001(NonSDGPS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA/ICSAB solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Continuing Calibration Blanks (CCB) Requirements

All continuing calibration blanks(CCB) bracketing the sample in this SDG did not meet the acceptance criteria. The samples bracketed by this CCB, however, contained uranium with a concentration at least ten times greater than the

Case Narrative
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concentration in the CCB. This indicates that any contribution to the concentration of these elements in the samples from potential laboratory contamination would be minimal. ICP-MS.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement

The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added.

The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike recovery was within the required control limits. This verifies the absence of a matrix interference in the post-spike digested sample. The recovery may be attributed to possible sample matrix interference and/or non-homogeneity.

Sample	Analyte	Value
1206533854 (Non SDG 786745001MSD)	Beryllium	128* (75%-125%)

Technical Information

Sample Dilutions

Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples were diluted for uranium to bring raw values within the instrument's linear range and, for analytes affected by interference, to ensure the inter-element correction factors were valid. 786726003 (B4VD29) and 786726004 (B4VD28)-ICP.

Samples 786726003 (B4VD29) and 786726004 (B4VD28)-ICP-MS were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	786726	
	003	004
Uranium	400X	400X
Vanadium	10X	10X

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Case Narrative
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GEL LABORATORIES LLC

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Qualifier Definition Report
for

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL786726 GEL Work Order: 786726

The Qualifiers in this report are defined as follows:

* Duplicate analysis not within control limits

B The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).

C Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.

D Results are reported from a diluted aliquot of sample.

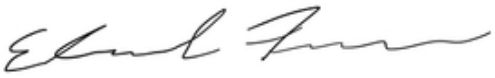
N Spike Sample recovery is outside control limits.

U Analyzed for but not detected above the MDL, MDA, MDC or LOD.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature:  **Name:** **Edmund Frampton**

Date: **27 JUL 2026** **Title:** **Group Leader**

Case Narrative
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Sample Data Summary

The GEL Group, Inc.

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: GEL786726 **CONTRACT:** CPRC0T26 **METHOD TYPE:** SW846

SAMPLE ID: 786726003 **LEVEL:** Low **DATE COLLECTED:** 20-JUL-26

CLIENT ID: B4VD29 **%SOLIDS:** 0 **DATE RECEIVED:** 21-JUL-26

MATRIX: WATER **BASIS:** As Received

CAS	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440-36-0	Antimony	1.00	ug/L	U	1.00	3.00	3.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-38-2	Arsenic	5.37	ug/L		2.00	5.00	5.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-39-3	Barium	21.3	ug/L		0.670	4.00	4.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-41-7	Beryllium	0.200	ug/L	UN	0.200	0.500	0.500	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-43-9	Cadmium	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-70-2	Calcium	198000	ug/L		50.0	200	200	1	P	HSC	07/23/26 09:50	072326-1	3030566
7440-47-3	Chromium	34.4	ug/L		3.00	10.0	10.0	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-48-4	Cobalt	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-50-8	Copper	0.388	ug/L	B	0.300	2.00	2.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7439-89-6	Iron	30.0	ug/L	U	30.0	100	100	1	P	HSC	07/23/26 09:50	072326-1	3030566
7439-92-1	Lead	0.500	ug/L	U	0.500	2.00	2.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7439-95-4	Magnesium	59100	ug/L		110	300	300	1	P	HSC	07/23/26 09:50	072326-1	3030566
7439-96-5	Manganese	1.00	ug/L	U	1.00	5.00	5.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7439-98-7	Molybdenum	20.5	ug/L		0.200	1.00	1.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-02-0	Nickel	0.714	ug/L	B	0.600	2.00	2.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-09-7	Potassium	13000	ug/L		50.0	250	250	1	P	HSC	07/23/26 09:50	072326-1	3030566
7782-49-2	Selenium	12.7	ug/L		1.50	5.00	5.00	1	MS	JD2	07/23/26 20:50	260723-3	3030567
7440-22-4	Silver	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-23-5	Sodium	350000	ug/L		100	300	300	1	P	HSC	07/23/26 09:50	072326-1	3030566
7440-28-0	Thallium	0.600	ug/L	U	0.600	2.00	2.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-31-5	Tin	1.00	ug/L	U	1.00	5.00	5.00	1	MS	JD2	07/25/26 21:21	260725-4	3030567
7440-61-1	Uranium	20100	ug/L	D	26.8	80.0	80.0	400	MS	JD2	07/26/26 08:51	260725-6	3030567
7440-62-2	Vanadium	10.0	ug/L	UD	10.0	50.0	50.0	10	P	HSC	07/24/26 09:38	072426-2	3030566
7440-66-6	Zinc	17.9	ug/L	B	3.30	20.0	20.0	1	P	HSC	07/23/26 09:50	072326-1	3030566

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
3030566	3030564	SW846 3005A	50	mL	50	mL	07/22/26	JB7
3030567	3030563	SW846 3005A	50	mL	50	mL	07/22/26	JB7

***Analytical Methods:**

MS **SW846 3005A/6020B**
P **SW846 3005A/6010D**

Sample Summary
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The GEL Group, Inc.

METALS
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INORGANICS ANALYSIS DATA PACKAGE

SDG No: GEL786726 **CONTRACT:** CPRC0T26 **METHOD TYPE:** SW846

SAMPLE ID: 786726004 **LEVEL:** Low **DATE COLLECTED:** 20-JUL-26

CLIENT ID: B4VD28 **%SOLIDS:** 0 **DATE RECEIVED:** 21-JUL-26

MATRIX: WATER **BASIS:** As Received

CAS	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440-36-0	Antimony	1.00	ug/L	U	1.00	3.00	3.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-38-2	Arsenic	5.26	ug/L		2.00	5.00	5.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-39-3	Barium	20.8	ug/L		0.670	4.00	4.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-41-7	Beryllium	0.200	ug/L	UN	0.200	0.500	0.500	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-43-9	Cadmium	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-70-2	Calcium	197000	ug/L		50.0	200	200	1	P	HSC	07/23/26 09:54	072326-1	3030566
7440-47-3	Chromium	34.9	ug/L		3.00	10.0	10.0	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-48-4	Cobalt	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-50-8	Copper	0.524	ug/L	B	0.300	2.00	2.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7439-89-6	Iron	30.0	ug/L	U	30.0	100	100	1	P	HSC	07/23/26 09:54	072326-1	3030566
7439-92-1	Lead	0.500	ug/L	U	0.500	2.00	2.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7439-95-4	Magnesium	59200	ug/L		110	300	300	1	P	HSC	07/23/26 09:54	072326-1	3030566
7439-96-5	Manganese	1.00	ug/L	U	1.00	5.00	5.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7439-98-7	Molybdenum	19.8	ug/L		0.200	1.00	1.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-02-0	Nickel	0.739	ug/L	B	0.600	2.00	2.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-09-7	Potassium	13100	ug/L		50.0	250	250	1	P	HSC	07/23/26 09:54	072326-1	3030566
7782-49-2	Selenium	12.5	ug/L		1.50	5.00	5.00	1	MS	JD2	07/23/26 20:53	260723-3	3030567
7440-22-4	Silver	0.300	ug/L	U	0.300	1.00	1.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-23-5	Sodium	351000	ug/L		100	300	300	1	P	HSC	07/23/26 09:54	072326-1	3030566
7440-28-0	Thallium	0.600	ug/L	U	0.600	2.00	2.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-31-5	Tin	1.00	ug/L	U	1.00	5.00	5.00	1	MS	JD2	07/25/26 21:27	260725-4	3030567
7440-61-1	Uranium	22100	ug/L	D	26.8	80.0	80.0	400	MS	JD2	07/26/26 08:52	260725-6	3030567
7440-62-2	Vanadium	10.0	ug/L	UD	10.0	50.0	50.0	10	P	HSC	07/24/26 09:41	072426-2	3030566
7440-66-6	Zinc	115	ug/L		3.30	20.0	20.0	1	P	HSC	07/23/26 09:54	072326-1	3030566

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
3030566	3030564	SW846 3005A	50	mL	50	mL	07/22/26	JB7
3030567	3030563	SW846 3005A	50	mL	50	mL	07/22/26	JB7

***Analytical Methods:**

P **SW846 3005A/6010D**
MS **SW846 3005A/6020B**

Sample Summary
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Quality Control Summary

GEL LABORATORIES LLC
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QC Summary

Report Date: July 27, 2026

Central Plateau Cleanup Company
200 East / MO-277 / 108
PO Box 1600
Richland, Washington

Contact: **Ms. Heather Medley**

Workorder: **786726**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 3030567											
QC1206533852 LCS											
Antimony	50.0			48.8	ug/L		97.5	(80%-120%)	JD2	07/23/26	20:48
Arsenic	50.0			51.2	ug/L		102	(80%-120%)			
Barium	50.0			50.0	ug/L		100	(80%-120%)			
Beryllium	50.0			57.8	ug/L		116	(80%-120%)			
Cadmium	50.0			49.3	ug/L		98.6	(80%-120%)			
Chromium	50.0			49.6	ug/L		99.3	(80%-120%)			
Cobalt	50.0			48.0	ug/L		96	(80%-120%)			
Copper	50.0			48.5	ug/L		97	(80%-120%)			
Lead	50.0			49.2	ug/L		98.5	(80%-120%)			
Manganese	50.0			48.4	ug/L		96.9	(80%-120%)			
Molybdenum	50.0			50.8	ug/L		102	(80%-120%)			
Nickel	50.0			48.0	ug/L		96	(80%-120%)			

Quality Control Summary
HOME

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QC Summary

Workorder: **786726**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 3030567										
Selenium	50.0			49.7	ug/L		99.4	(80%-120%)	JD2	07/23/26 20:48
Silver	50.0			50.6	ug/L		101	(80%-120%)		
Thallium	50.0			47.0	ug/L		94	(80%-120%)		
Tin	50.0			50.1	ug/L		100	(80%-120%)		
Uranium	50.0			48.9	ug/L		97.7	(80%-120%)		07/26/26 08:59
QC1206533851 MB										
Antimony			U	1.00	ug/L					07/23/26 20:45
Arsenic			U	2.00	ug/L					
Barium			U	0.670	ug/L					
Beryllium			U	0.200	ug/L					
Cadmium			U	0.300	ug/L					
Chromium			U	3.00	ug/L					
Cobalt			U	0.300	ug/L					
Copper			U	0.300	ug/L					
Lead			U	0.500	ug/L					

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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 3030567											
Manganese				U	1.00	ug/L				JD2	07/23/26 20:45
Molybdenum				U	0.200	ug/L					
Nickel				U	0.600	ug/L					
Selenium				U	1.50	ug/L					
Silver				U	0.300	ug/L					
Thallium				U	0.600	ug/L					
Tin				U	1.00	ug/L					
Uranium				U	0.0670	ug/L					07/26/26 08:58
QC1206533853 786745001 MS											
Antimony	50.0	U	1.00		50.5	ug/L		101	(75%-125%)		07/23/26 20:58
Arsenic	50.0		7.87		59.5	ug/L		103	(75%-125%)		
Barium	50.0		102		153	ug/L		102	(75%-125%)		
Beryllium	50.0	NU	0.200		62.5	ug/L		125	(75%-125%)		
Cadmium	50.0	U	0.300		49.7	ug/L		99.4	(75%-125%)		
Chromium	50.0		123		175	ug/L		103	(75%-125%)		

Quality Control Summary
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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 3030567											
Cobalt	50.0	B	0.434		47.0	ug/L		93.1	(75%-125%)	JD2	07/23/26 20:58
Copper	50.0	B	0.410		46.8	ug/L		92.8	(75%-125%)		
Lead	50.0	U	0.500		49.6	ug/L		99.1	(75%-125%)		
Manganese	50.0		131		180	ug/L		98.6	(75%-125%)		
Molybdenum	50.0		2.06		54.9	ug/L		106	(75%-125%)		
Nickel	50.0	U	0.600		47.0	ug/L		93	(75%-125%)		
Selenium	50.0	U	1.50		50.6	ug/L		100	(75%-125%)		
Silver	50.0	U	0.300		50.1	ug/L		100	(75%-125%)		
Thallium	50.0	U	0.600		48.0	ug/L		96	(75%-125%)		
Tin	50.0	U	1.00		51.6	ug/L		103	(75%-125%)		
Uranium	50.0		1.29		52.2	ug/L		102	(75%-125%)		07/26/26 09:01
QC1206533854 786745001 MSD											
Antimony	50.0	U	1.00		50.8	ug/L	0.648	101	(0%-20%)		07/23/26 21:01
Arsenic	50.0		7.87		59.1	ug/L	0.605	103	(0%-20%)		
Barium	50.0		102		152	ug/L	0.626	99.7	(0%-20%)		

Quality Control Summary
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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 3030567											
Beryllium	50.0	NU	0.200	N	64.0	ug/L	2.42	128*	(0%-20%)	JD2	07/23/26 21:01
Cadmium	50.0	U	0.300		49.5	ug/L	0.423	99	(0%-20%)		
Chromium	50.0		123		170	ug/L	2.71	93.8	(0%-20%)		
Cobalt	50.0	B	0.434		46.6	ug/L	0.743	92.4	(0%-20%)		
Copper	50.0	B	0.410		45.9	ug/L	1.93	91	(0%-20%)		
Lead	50.0	U	0.500		49.3	ug/L	0.681	98.4	(0%-20%)		
Manganese	50.0		131		176	ug/L	1.93	91.7	(0%-20%)		
Molybdenum	50.0		2.06		53.1	ug/L	3.34	102	(0%-20%)		
Nickel	50.0	U	0.600		46.3	ug/L	1.55	91.6	(0%-20%)		
Selenium	50.0	U	1.50		51.1	ug/L	0.922	101	(0%-20%)		
Silver	50.0	U	0.300		49.7	ug/L	0.964	99.3	(0%-20%)		
Thallium	50.0	U	0.600		47.7	ug/L	0.706	95.4	(0%-20%)		
Tin	50.0	U	1.00		51.4	ug/L	0.245	103	(0%-20%)		
Uranium	50.0		1.29		51.5	ug/L	1.43	100	(0%-20%)		07/26/26 09:02

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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 3030567											
QC1206533855 786745001 PS											
Beryllium	50.0	NU	0.0110		61.1	ug/L		122	(75%-125%)	JD2	07/23/26 21:04
QC1206533856 786745001 SDILT											
Antimony		U	0.151	DU	5.00	ug/L	N/A		(0%-20%)		07/23/26 21:06
Arsenic			7.87	BD	10.8	ug/L	37.3		(0%-20%)		
Barium			102	D	106	ug/L	4.09		(0%-20%)		
Beryllium		NU	0.0110	DU	1.00	ug/L	N/A		(0%-20%)		
Cadmium		U	0.00300	DU	1.50	ug/L	N/A		(0%-20%)		
Chromium			123	D	131	ug/L	6.46		(0%-20%)		
Cobalt		B	0.434	DU	1.50	ug/L	N/A		(0%-20%)		
Copper		B	0.410	DU	1.50	ug/L	N/A		(0%-20%)		
Lead		U	0.0870	DU	2.50	ug/L	N/A		(0%-20%)		
Manganese			131	D	137	ug/L	5		(0%-20%)		
Molybdenum			2.06	BD	2.20	ug/L	6.94		(0%-20%)		
Nickel		U	0.489	DU	3.00	ug/L	N/A		(0%-20%)		
Selenium		U	0.383	DU	7.50	ug/L	N/A		(0%-20%)		

Quality Control Summary
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QC Summary

Workorder: **786726**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 3030567										
Silver	U	0.00200	DU	1.50	ug/L	N/A		(0%-20%)	JD2	07/23/26 21:06
Thallium	U	0.00200	DU	3.00	ug/L	N/A		(0%-20%)		
Tin	U	0.0700	DU	5.00	ug/L	N/A		(0%-20%)		
Uranium		1.29	D	1.28	ug/L	.777		(0%-20%)		07/26/26 09:04
Metals Analysis-ICP										
Batch 3030566										
QC1206533846 LCS										
Calcium	5000			5100	ug/L		102	(80%-120%)	HSC	07/23/26 09:37
Iron	5000			5210	ug/L		104	(80%-120%)		
Magnesium	5000			5290	ug/L		106	(80%-120%)		
Potassium	5000			5110	ug/L		102	(80%-120%)		
Sodium	5000			5070	ug/L		101	(80%-120%)		
Vanadium	500			523	ug/L		105	(80%-120%)		
Zinc	500			501	ug/L		100	(80%-120%)		
QC1206533845 MB										
Calcium			U	50.0	ug/L					07/23/26 09:34
Iron			U	30.0	ug/L					

Quality Control Summary
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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis-ICP											
Batch 3030566											
Magnesium				U	110	ug/L				HSC	07/23/26 09:34
Potassium				U	50.0	ug/L					
Sodium				U	100	ug/L					
Vanadium				U	1.00	ug/L					
Zinc				U	3.30	ug/L					
QC1206533847 786745001 MS											
Calcium	5000		26800		31100	ug/L		N/A	(75%-125%)		07/23/26 09:43
Iron	5000	U	30.0		5110	ug/L		102	(75%-125%)		
Magnesium	5000		10100		15000	ug/L		98.5	(75%-125%)		
Potassium	5000		4250		9290	ug/L		101	(75%-125%)		
Sodium	5000		9730		14400	ug/L		94.5	(75%-125%)		
Vanadium	500		38.0		543	ug/L		101	(75%-125%)		
Zinc	500	B	6.29		487	ug/L		96.2	(75%-125%)		
QC1206533848 786745001 MSD											
Calcium	5000		26800		31500	ug/L	1.02	N/A	(0%-20%)		07/23/26 09:45
Iron	5000	U	30.0		5210	ug/L	1.91	104	(0%-20%)		

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QC Summary

Workorder: **786726**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis-ICP											
Batch 3030566											
Magnesium	5000		10100		15200	ug/L	1.36	103	(0%-20%)	HSC	07/23/26 09:45
Potassium	5000		4250		9440	ug/L	1.61	104	(0%-20%)		
Sodium	5000		9730		14600	ug/L	1.1	97.7	(0%-20%)		
Vanadium	500		38.0		558	ug/L	2.61	104	(0%-20%)		
Zinc	500	B	6.29		501	ug/L	2.77	99	(0%-20%)		
QC1206533850 786745001 SDILT											
Calcium			26800	D	5240	ug/L	2.35		(0%-20%)		07/23/26 09:47
Iron		U	10.8	DU	150	ug/L	N/A		(0%-20%)		
Magnesium			10100	D	2000	ug/L	1.11		(0%-20%)		
Potassium			4250	D	816	ug/L	4.04		(0%-20%)		
Sodium			9730	D	1930	ug/L	.595		(0%-20%)		
Vanadium			38.0	D	7.69	ug/L	1.26		(0%-20%)		
Zinc		B	6.29	DU	16.5	ug/L	N/A		(0%-20%)		

Quality Control Summary

Notes:

The Qualifiers in this report are defined as follows:

U U Analyzed for but not detected above the MDL, MDA, MDC or LOD.

N N Spike Sample recovery is outside control limits.

B B The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as

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QC Summary

Workorder: **786726**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time

appropriate).

D D Results are reported from a diluted aliquot of sample.

C C Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Case Narrative
Sample Summary
Quality Control Data

Radiological Analysis

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Case Narrative

Radiochemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL786726
Work Order #: 786726

Product: **SMR_TC99_LSC**
Analytical Method: TC99_LSC
Analytical Procedure: GL-RAD-A-059 REV# 7
Analytical Batch: 3030813

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
786726001	B4VR25
786726002	B4VR26
1206534323	Method Blank (MB) **Batch 3030813**
1206534324	786735002(NonSDG) Sample Duplicate (DUP)
1206534325	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Aliquot Reduced
Aliquots for samples 786726001 (B4VR25) and 786726002 (B4VR26) were reduced due to limited sample volume available for analysis.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Case Narrative
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Qualifier Definition Report
for

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL786726 GEL Work Order: 786726

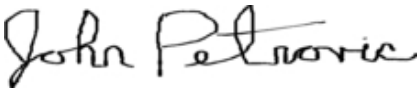
The Qualifiers in this report are defined as follows:

U Analyzed for but not detected above the MDL, MDA, MDC or LOD.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature:  **Name: John Petrovic**

Date: 28 JUL 2026 **Title: Data Validator II**

Case Narrative
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Sample Data Summary

GEL Laboratories LLC

Report Date: July 28, 2026

Rad
Certificate of Analysis
Sample Summary

SDG Number:	**GEL786726**	**Client:**	**CPRC003**	**Project:**	**CPRC0T26**
Lab Sample ID:	**786726001**	**Date Collected:**	**07/20/2026 09:40**	**Matrix:**	**WATER**
		Date Received:	**07/21/2026 13:15**		
Client ID:	**B4VR25**			**Prep Basis:**	**"As Received"**
Batch ID:	**3030813**	**Method:**	**TC99_LSC**	**SOP Ref:**	**GL-RAD-A-059**
Run Date:	**07/28/2026 06:17**	**Analyst:**	**BB3**	**Instrument:**	**LSCONYX**
Data File:	**E3030813.xls**	**Aliquot:**	**61.2 mL**	**Count Time:**	**15 min**
Prep Batch:	**3030813**	**Prep Method:**	**DOE EML HASL-300, Tc-02-**		
Prep Date:	**07/22/2026 12:31**				

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14133-76-7	Technetium-99		54700	pCi/L	+/-399	6190	39.5	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Technetium-99m Tracer	7.50E+05	7.54E+05	CPM	99.5	(30%-105%)

Comments:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The MDC is a sample specific MDC.

Sample Summary

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GEL Laboratories LLC

Report Date: July 28, 2026

Rad
Certificate of Analysis
Sample Summary

SDG Number:	**GEL786726**	**Client:**	**CPRC003**	**Project:**	**CPRC0T26**
Lab Sample ID:	**786726002**	**Date Collected:**	**07/20/2026 09:40**	**Matrix:**	**WATER**
		Date Received:	**07/21/2026 13:15**		
Client ID:	**B4VR26**			**Prep Basis:**	**"As Received"**
Batch ID:	**3030813**	**Method:**	**TC99_LSC**	**SOP Ref:**	**GL-RAD-A-059**
Run Date:	**07/28/2026 06:33**	**Analyst:**	**BB3**	**Instrument:**	**LSCONYX**
Data File:	**E3030813.xls**	**Aliquot:**	**63.27 mL**	**Count Time:**	**15 min**
Prep Batch:	**3030813**	**Prep Method:**	**DOE EML HASL-300, Tc-02-**		
Prep Date:	**07/22/2026 12:31**				

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14133-76-7	Technetium-99		46800	pCi/L	+/-370	5330	39.7	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Technetium-99m Tracer	7.22E+05	7.54E+05	CPM	95.8	(30%-105%)

Comments:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The MDC is a sample specific MDC.

Sample Summary

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Quality Control Data

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QC Summary

Report Date: July 28, 2026
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Client : **Central Plateau Cleanup Company**
200 East / MO-277 / 108
PO Box 1600
Richland, Washington **99352**
Contact: **Ms. Heather Medley**

Workorder: **786726**

Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date Time
Rad Liquid Scintillation									
Batch 3030813									
QC1206534323 MB									
Technetium-99			U	-4.68	pCi/L			BB3	07/28/2609:03
	Uncert:			+/-13.4					
	TPU:			+/-13.4					
**Technetium-99m Tracer	7.54E+05			7.24E+05	CPM	REC: 96	(30%-105%)		
QC1206534324 786735002 DUP									
Technetium-99		165		158	pCi/L				07/28/2609:20
	Uncert:	+/-22.3		+/-22.1		RPD: 5	(0%-20%)		
	TPU:	+/-29.2		+/-28.5		RER: 0.377	(0-2)		
**Technetium-99m Tracer	7.54E+05	7.28E+05		7.17E+05	CPM	REC: 95	(30%-105%)		
QC1206534325 LCS									
Technetium-99	600			572	pCi/L	REC: 95.3	(80%-120%)		07/28/2609:36
	Uncert:			+/-34.5					
	TPU:			+/-73.7					
**Technetium-99m Tracer	7.54E+05			7.33E+05	CPM	REC: 97	(30%-105%)		

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U U Analyzed for but not detected above the MDL, MDA, MDC or LOD.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Quality Control Data
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