GEL Laboratories LLC
a member of The GEL Group INC

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

July 09, 2025

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

Re: SAF S25-006
Work Order: 728733
SDG: GEL728733

Dear Ms. Medley:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 13, 2025. 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,

Mary Stover for
Heather Shaffer
Project Manager

Purchase Order: 901852 - 7H
Chain of Custody: S25-006-191
Enclosures

problem solved

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Case Narrative

General Narrative
for
Central Plateau Cleanup Company (89223)
SAF S25-006
SDG: GEL728733

July 09, 2025

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 June 13, 2025, 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.

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
728733001	B4M982
728733002	B4M983

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. 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: General Chemistry, 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 Manager (or designee) and the laboratory's client services representative as verified by their signatures on this report.

Mary Stover for
Heather Shaffer
Project Manager

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

Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL728733
Work Order #: 728733

Metals

Determination of Metals by ICP

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.

Determination of Metals by ICP-MS

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.

General Chemistry

Carbon, Total Organic

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.

Solids, Total Dissolved

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.

Sulfide, Total

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.

Alkalinity

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.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206147393 (Non SDG 728556001DUP), 1206147394 (Non SDG 728556001MS), 1206147395 (Non SDG 728597015DUP), 1206147396 (Non SDG 728597015MS) and 728733001 (B4M982).

Radiochemistry

SMR_I129LOWLEVEL_RAD

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.

SMR_TRITIUM_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.

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

C.O.C. # **S25-006-191**

Collector: Scott Harder / CPCC	**Contact/Requester:** Karen Waters-Husted	**Telephone No.:** 509-376-4650	
SAF No.: S25-006	**Sampling Origin:** Hanford Site	**Purchase Order/Charge Code:** 901852	
Project Title: SURV, June 2025	**Logbook No.:** HNF-N-506 148	**Ice Chest No.:** GWS-260	
Shipped To (Lab): GEL Laboratories, LLC	**Method of Shipment:** Commercial Carrier	**Bill of Lading/Air Bill No.:** 8819 8588 7036	
Protocol: SURV	**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

Low Volume Well. Do not use for QC.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4M982	N	W	JUN 12 2025	0756	1x60-mL G/P	2320B_ALKALINITY: GW 01	14 Days	Cool <=6C
B4M982	N	W			1x125-mL G/P	2540C_TDS: COMMON	7 Days	Cool <=6C
B4M982	N	W			1x250-mL G/P	4500D_SULFIDE: COMMON	7 Days	ZnAc+NaOH to pH > 9 / Cool <=6C
B4M982	N	W			1x60-mL aG	9060_TOC: COMMON	28 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4M982	N	W			1x125-mL G/P	SMR_GW6010_CORROSION 2/7; SMR_GW6020_CORROSION 5/7; SMR_GW6020_URANIUM	6 Months	HNO3 to pH <2
B4M982	N	W			2x1-L G/P	SMR_I129LOWLEVEL_RAD	6 Months	None
B4M982	N	W			1x60-mL G/P	SMR_TC99_LSC	6 Months	HNO3 to pH <2
B4M982	N	W			1x60-mL G/P	SMR_TRITIUM_LSC	6 Months	None

Relinquished By			Received By		
Print First and Last Name	*Signature*	*Date/Time*	*Print First and Last Name*	*Signature*	*Date/Time*
Scott Harder / CPCC		JUN 12 2025/0830	Mike Esparza / CPCC		JUN 12 2025/0830
Mike Esparza / CPCC		JUN 12 2025 1400	FEDEX		
FedEx			Stacy Boone		JUN 13 2025 1015

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:

Central Plateau Cleanup Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S25-006-191

PAGE 2 OF 2

Collector:	Scott Harder / CPCC	**Contact/Requester:**	Karen Waters-Husted	**Telephone No.:**	509-376-4650
SAF No.:	S25-006	**Sampling Origin:**	Hanford Site	**Purchase Order/Charge Code:**	901852
Project Title:	SURV, June 2025	**Logbook No.:**	HNF-N-506 148	**Ice Chest No.:**	GWS-260
Shipped To (Lab):	GEL Laboratories, LLC	**Method of Shipment:**	Commercial Carrier	**Bill of Lading/Air Bill No.:**	881985887036
Protocol:	SURV	**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

Low Volume Well. Do not use for QC.

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4M983	Y	W	JUN 12 2025	0756	1x125-mL G/P	SMR_GW6010_CORROSION 2/7; SMR_GW6020_CORROSION 5/7; SMR_GW6020_URANIUM	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*
Scott Harder / CPCC		JUN 12 2025 0830	Mike Esparza / CPCC		JUN 12 2025 0830
Mike Esparza / CPCC		JUN 12 2025 1430 FedEx	FEDEX Stacy Boone		JUN 13 2025 1015

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 3/31/2025 FSR ID = FSR157062

Report Format: 02/29/2024

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: CPRC

SDG/AR/COC/Work Order: 728733

Received By: STACY L BOONE

Date Received at GEL: JUNE 13,2025

GEL PM: HS

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

IR Temp gun # IR4-24 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
8819 8588 7036	1c				

Suspected Hazard Information	Yes	No
A)Shipped as a DOT Hazardous?		✓
B) Did the client designate the samples are to be received as radioactive?	✓	
C) Did the RSO classify the samples as radioactive?	✓	
D) Are there any sample hazards to document?		✓
E) Was a SDS received and reviewed by Lab Safety?		✓

*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

Hazard Class Shipped: UN#:

If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___

COC notation or radioactive stickers on containers equal client designation.

Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___ CPM mR/Hr

Classified as: Rad 1 Rad 2 Rad 3

If yes, select Hazards below.

PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:

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: If Preservation added, Lot#:
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___
7	Samples received within holding time?	✓			Sample IDs and containers affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and tests affected:
9	Date & time on COC match date & time on bottles?	✓			IDs and containers affected: 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 JJ Date 06/13/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Data Review Qualifier Definitions

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

Project Specific Qualifier Definitions for GEL Client Code: CPRC

Qualifier	Qualifier Definition	Department	Fraction
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.		
J	Value is estimated		
P	Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, the difference is >70%.	Organics	
C	Analyte has been confirmed by GC/MS analysis	Organics	Pesticide
B	The target analyte was detected in the associated blank.	Organics	
E	Concentration of the target analyte exceeds the instrument calibration range	Organics	
A	The TIC is a suspected aldol-condensation product	Organics	Semi-Volatile
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier		
N	Metals--The Matrix spike sample recovery is not within specified control limits	Inorganics	
*	A quality control analyte recovery is outside of specified acceptance criteria		
N	Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor	Organics	Semi-Volatile
H	Analytical holding time was exceeded		
**	Analyte is a surrogate compound	Organics	
<	Result is less than value reported		
>	Result is greater than value reported		
UI	Gamma Spectroscopy--Uncertain identification	Radiological	
BD	Results are either below the MDC or tracer recovery is low	Radiological	
h	Preparation or preservation holding time was exceeded		
R	Sample results are rejected		
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.	General Chemistry	General Chem
d	5-day BOD--The 2:1 depletion requirement was not met for this sample	General Chemistry	
B	Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL	Inorganics	Metals
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.		
D	Results are reported from a diluted aliquot of the sample	Organics	
N/A	RPD or %Recovery limits do not apply.		
ND	Analyte concentration is not detected above the detection limit		
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria	Inorganics	Metals
M	M if above MDC and less than LLD	Radiological	
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier		
FA	Failed analysis.	Radiological	Bioassay
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range	General Chemistry	General Chem
JNX	Non Calibrated Compound	Organics	Volatile
UJ	Compound cannot be extracted	Organics	Semi-Volatile

Project Specific Qualifier Definitions for GEL Client Code: CPRC

Qualifier	Qualifier Definition	Department	Fraction
UJ	Gamma Spectroscopy--Uncertain identification	Radiological	Rad
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.		
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.	Radiological	
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.	Radiological	
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.	Radiological	
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies	Inorganics	Metals
N1	See case narrative		
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.	Inorganics	
Y	QC Samples were not spiked with this compound	Organics	
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.	General Chemistry	General Chem
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.	Radiological	Rad
**	Analyte is a Tracer compound	Radiological	
B	The target analyte was detected in the associated blank.	General Chemistry	
N	Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor	Organics	Volatile
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes	General Chemistry	General Chem
M	REMP Result > MDC/CL and < RDL	Radiological	
I	Analyte does not meet the Ion Abundance Ratio and should be considered an estimated concentration.	Organics	LC-MS/MS
FG	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier	Organics	LC-MS/MS
XG	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier	Organics	LC-MS/MS
G	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier	Organics	LC-MS/MS
x	Subaliquot was taken. See Case Narrative for details.		

Laboratory Certifications

List of current GEL Certifications as of 09 July 2025

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	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	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	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Metals Analysis

Case Narrative

Metals
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL728733
Work Order #: 728733

Product: **Determination of Metals by ICP**
Analytical Method: SW846 3005A/6010D
Analytical Procedure: GL-MA-E-013 REV# 34
Analytical Batch: 2813557

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2813554

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batches: 2813553 and 2813555

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
728733002	B4M983
1206140544	Method Blank (MB)**ICP**
1206140545	Laboratory Control Sample (LCS)
1206140549	728724001(NonSDGL) Serial Dilution (SD)
1206140546	728724001(NonSDGS) Matrix Spike (MS)
1206140547	728724001(NonSDGSD) Matrix Spike Duplicate (MSD)
1206140537	Method Blank (MB)**ICP-MS**
1206140538	Laboratory Control Sample (LCS)
1206140542	728724001(NonSDGL) Serial Dilution (SD)
1206140539	728724001(NonSDGS) Matrix Spike (MS)
1206140540	728724001(NonSDGSD) Matrix Spike Duplicate (MSD)

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 solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

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.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL728733 GEL Work Order: 728733

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).

D Results are reported from a diluted aliquot of sample.

N/A

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: 08 JUL 2025 **Title: Group Leader**

Sample Data Summary

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: GEL728733 **CONTRACT:** CPRC0S25006 **METHOD TYPE:** SW846

SAMPLE ID: 728733001 **LEVEL:** Low **DATE COLLECTED:** 12-JUN-25

CLIENT ID: B4M982 **%SOLIDS:** 0 **DATE RECEIVED:** 13-JUN-25

MATRIX: WATER **BASIS:** As Received

CAS	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440-47-3	Chromium	3.05	ug/L	B	3.00	10.0	10.0	1	MS	BAJ	07/03/25 23:22	250703-3	2813554
7440-50-8	Copper	0.514	ug/L	B	0.300	2.00	2.00	1	MS	BAJ	07/03/25 23:22	250703-3	2813554
7439-89-6	Iron	1180	ug/L		30.0	100	100	1	P	JWJ	06/20/25 02:11	061925-1	2813557
7439-96-5	Manganese	47.4	ug/L		1.00	5.00	5.00	1	MS	BAJ	07/04/25 15:10	250704-2	2813554
7439-98-7	Molybdenum	2.49	ug/L		0.200	1.00	1.00	1	MS	BAJ	07/03/25 23:22	250703-3	2813554
7440-02-0	Nickel	0.600	ug/L	U	0.600	2.00	2.00	1	MS	BAJ	07/03/25 23:22	250703-3	2813554
7440-61-1	Uranium	1.94	ug/L		0.0670	0.200	0.200	1	MS	BAJ	07/03/25 23:22	250703-3	2813554
7440-66-6	Zinc	11.2	ug/L	B	3.30	20.0	20.0	1	P	JWJ	06/20/25 02:11	061925-1	2813557

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
2813557	2813555	SW846 3005A	50	mL	50	mL	06/18/25	BB2
2813554	2813553	SW846 3005A	50	mL	50	mL	06/18/25	GF1

***Analytical Methods:**

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

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: GEL728733 **CONTRACT:** CPRC0S25006 **METHOD TYPE:** SW846

SAMPLE ID: 728733002 **LEVEL:** Low **DATE COLLECTED:** 12-JUN-25

CLIENT ID: B4M983 **%SOLIDS:** 0 **DATE RECEIVED:** 13-JUN-25

MATRIX: WATER **Dissolved Metals** **BASIS:** Filtered

CAS	Analyte	Result	Units	Qual	MDL	PQL	CRDL	DF	M*	Analyst	Run Date	Analytical Run	Analytical Batch
7440-47-3	Chromium	3.00	ug/L	U	3.00	10.0	10.0	1	MS	BAJ	07/03/25 23:24	250703-3	2813554
7440-50-8	Copper	0.369	ug/L	B	0.300	2.00	2.00	1	MS	BAJ	07/03/25 23:24	250703-3	2813554
7439-89-6	Iron	30.0	ug/L	U	30.0	100	100	1	P	JWJ	06/20/25 02:14	061925-1	2813557
7439-96-5	Manganese	3.74	ug/L	B	1.00	5.00	5.00	1	MS	BAJ	07/04/25 15:11	250704-2	2813554
7439-98-7	Molybdenum	2.90	ug/L		0.200	1.00	1.00	1	MS	BAJ	07/03/25 23:24	250703-3	2813554
7440-02-0	Nickel	0.600	ug/L	U	0.600	2.00	2.00	1	MS	BAJ	07/03/25 23:24	250703-3	2813554
7440-61-1	Uranium	1.88	ug/L		0.0670	0.200	0.200	1	MS	BAJ	07/03/25 23:24	250703-3	2813554
7440-66-6	Zinc	11.1	ug/L	B	3.30	20.0	20.0	1	P	JWJ	06/20/25 02:14	061925-1	2813557

Prep Information:

Analytical Batch	Prep Batch	Prep Method	Initial wt./vol.	Units	Final wt./vol.	Units	Date	Analyst
2813557	2813555	SW846 3005A	50	mL	50	mL	06/18/25	BB2
2813554	2813553	SW846 3005A	50	mL	50	mL	06/18/25	GF1

***Analytical Methods:**

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

Quality Control Summary

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

QC Summary

Report Date: July 8, 2025

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

Contact: **Ms. Heather Medley**

Workorder: **728733**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2813554										
QC1206140538 LCS										
Chromium	50.0			53.7	ug/L		107	(80%-120%)	BAJ	07/03/25 22:37
Copper	50.0			55.1	ug/L		110	(80%-120%)		
Manganese	50.0			54.4	ug/L		109	(80%-120%)		07/04/25 14:55
Molybdenum	50.0			55.5	ug/L		111	(80%-120%)		07/03/25 22:37
Nickel	50.0			54.0	ug/L		108	(80%-120%)		
Uranium	50.0			53.5	ug/L		107	(80%-120%)		
QC1206140537 MB										
Chromium			U	3.00	ug/L					07/03/25 22:34
Copper			U	0.300	ug/L					
Manganese			U	1.00	ug/L					07/04/25 14:54
Molybdenum			U	0.200	ug/L					07/03/25 22:34
Nickel			U	0.600	ug/L					
Uranium			U	0.0670	ug/L					

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

QC Summary

Workorder: **728733**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2813554											
QC1206140539 728724001 MS											
Chromium	50.0	B	3.30		53.6	ug/L		101	(75%-125%)	BAJ	07/03/25 22:43
Copper	50.0	U	0.300		49.9	ug/L		99.2	(75%-125%)		
Manganese	50.0	U	1.00		50.5	ug/L		100	(75%-125%)		07/04/25 14:57
Molybdenum	50.0		5.44		59.1	ug/L		107	(75%-125%)		07/03/25 22:43
Nickel	50.0	B	0.897		50.3	ug/L		98.9	(75%-125%)		
Uranium	50.0		13.0		63.1	ug/L		100	(75%-125%)		
QC1206140540 728724001 MSD											
Chromium	50.0	B	3.30		51.7	ug/L	3.6	96.8	(0%-20%)		07/03/25 22:46
Copper	50.0	U	0.300		47.6	ug/L	4.7	94.7	(0%-20%)		
Manganese	50.0	U	1.00		48.2	ug/L	4.78	95.6	(0%-20%)		07/04/25 14:58
Molybdenum	50.0		5.44		56.5	ug/L	4.57	102	(0%-20%)		07/03/25 22:46
Nickel	50.0	B	0.897		48.4	ug/L	3.86	95	(0%-20%)		
Uranium	50.0		13.0		61.8	ug/L	2.16	97.6	(0%-20%)		
QC1206140542 728724001 SDILT											
Chromium		B	3.30	DU	15.0	ug/L	N/A		(0%-20%)		07/03/25 22:52
Copper		U	0.237	DU	1.50	ug/L	N/A		(0%-20%)		

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

QC Summary

Workorder: **728733**

Parmname	NOM		Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2813554											
Manganese		U	0.348	DU	5.00	ug/L	N/A		(0%-20%)	BAJ	07/04/25 15:01
Molybdenum			5.44	D	1.02	ug/L	6.07		(0%-20%)		07/03/25 22:52
Nickel		B	0.897	DU	3.00	ug/L	N/A		(0%-20%)		
Uranium			13.0	D	2.60	ug/L	.077		(0%-20%)		
Metals Analysis-ICP											
Batch 2813557											
QC1206140545 LCS											
Iron	5000				4680	ug/L		93.6	(80%-120%)	JWJ	06/20/25 01:31
Zinc	500				474	ug/L		94.9	(80%-120%)		
QC1206140544 MB											
Iron				U	30.0	ug/L					06/20/25 01:28
Zinc				U	3.30	ug/L					
QC1206140546 728724001 MS											
Iron	5000	U	30.0		4710	ug/L		93.7	(75%-125%)		06/20/25 01:35
Zinc	500	B	11.4		487	ug/L		95.2	(75%-125%)		
QC1206140547 728724001 MSD											
Iron	5000	U	30.0		4720	ug/L	0.286	94	(0%-20%)		06/20/25 01:38
Zinc	500	B	11.4		484	ug/L	0.708	94.5	(0%-20%)		

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

QC Summary

Workorder: **728733**

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date Time
Metals Analysis-ICP										
Batch 2813557										
QC1206140549 728724001 SDILT										
Iron	U	23.6	DU	150	ug/L	N/A		(0%-20%)	JWJ	06/20/25 01:42
Zinc	B	11.4	BD	4.67	ug/L	105		(0%-20%)		

Notes:

The Qualifiers in this report are defined as follows:

- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Spike Sample recovery is outside control limits.
- * Duplicate analysis not within control limits
- Z Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- 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).
- D Results are reported from a diluted aliquot of sample.
- E Reported value is estimated due to interferences. See comment in narrative.
- M Duplicate precision not met.
- S Reported value determined by the Method of Standard Additions (MSA)
- W Post-digestion spike recovery for GFAA out of control limit. Sample absorbency < 50% of spike absorbency.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- + Correlation coefficient for Method of Standard Additions (MSA) is < 0.995
- 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.
- H Laboratory holding time exceeded before the sample was analyzed.

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.

General Chem Analysis

Case Narrative

General Chemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL728733
Work Order #: 728733

Product: **Carbon, Total Organic**
Analytical Method: SW846 9060A
Analytical Procedure: GL-GC-E-093 REV# 22
Analytical Batch: 2814769

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206143091	Method Blank (MB)
1206143092	Laboratory Control Sample (LCS)
1206143093	728728001(NonSDG) Sample Duplicate (DUP)
1206143094	728728001(NonSDG) Post Spike (PS)

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

Data Summary:

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.

Product: **Solids, Total Dissolved**
Analytical Method: 2540C_TDS
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2814389

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206142328	Method Blank (MB)
1206142329	Laboratory Control Sample (LCS)
1206142330	728487003(NonSDG) Sample Duplicate (DUP)
1206142331	728596009(NonSDG) Sample Duplicate (DUP)
1206142332	728621004(NonSDG) Sample Duplicate (DUP)
1206142333	728752001(NonSDG) Sample Duplicate (DUP)

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

Data Summary:

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.

Product: **Sulfide, Total**
Analytical Method: 4500D_SULFIDE
Analytical Procedure: GL-GC-E-052 REV# 14
Analytical Batch: 2814861

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206143334	Method Blank (MB)
1206143335	Laboratory Control Sample (LCS)
1206143336	728274004(NonSDG) Post Spike (PS)
1206143337	728274004(NonSDG) Post Spike Duplicate (PSD)

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

Data Summary:

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.

Product: **Alkalinity**
Analytical Method: 2320B_ALKALINITY
Analytical Procedure: GL-GC-E-033 REV# 17
Analytical Batch: 2816956

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206147392	Laboratory Control Sample (LCS)
1206147393	728556001(NonSDG) Sample Duplicate (DUP)
1206147394	728556001(NonSDG) Matrix Spike (MS)
1206147395	728597015(NonSDG) Sample Duplicate (DUP)
1206147396	728597015(NonSDG) Matrix Spike (MS)
1206147397	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.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206147393 (Non SDG 728556001DUP), 1206147394 (Non SDG 728556001MS), 1206147395 (Non SDG 728597015DUP), 1206147396 (Non SDG 728597015MS) and 728733001 (B4M982).

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.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL728733 GEL Work Order: 728733

The Qualifiers in this report are defined as follows:

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).

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: Aubrey Kingsbury**

Date: 08 JUL 2025 **Title: Analyst III**

Sample Data Summary

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 8, 2025

Company : Central Plateau Cleanup Company
Address : 200 East / MO-277 / 108
PO Box 1600
Richland, Washington 99352
Contact: Ms. Heather Medley
Project: SAF S25-006

Client Sample ID: B4M982
Sample ID: 728733001
Matrix: WATER
Collect Date: 12-JUN-25 07:56
Receive Date: 13-JUN-25
Collector: Client

Project: CPRC0S25006
Client ID: CPRC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
9060_TOC: COMMON "As Received"												
Total Organic Carbon #1		1170	330	1000	ug/L		1	KB3	06/19/25	1013	2814769	1
Total Organic Carbon #2	U	330	330	1000	ug/L		1					
Total Organic Carbon #3	B	364	330	1000	ug/L		1					
Total Organic Carbon #4	U	330	330	1000	ug/L		1					
Total Organic Carbon Average	B	495	330	1000	ug/L		1					
Solids Analysis												
2540C_TDS: COMMON "As Received"												
Total Dissolved Solids		230000	2380	10000	ug/L			SC1	06/17/25	0851	2814389	2
Spectrometric Analysis												
4500_Sulfide: COMMON "As Received"												
Total Sulfide	U	33.0	33.0	500	ug/L		1	JW2	06/17/25	1401	2814861	3
Titration and Ion Analysis												
2320_ALKALINITY: GW 01 "As Received"												
Alkalinity, Total as CaCO3		104000	1120	3080	ug/L			IS2	06/20/25	1215	2816956	4
Bicarbonate alkalinity (CaCO3)		104000	1120	3080	ug/L							
Carbonate alkalinity (CaCO3)	U	1120	1120	3080	ug/L							
Hydroxide alkalinity as CaCO3	U	1120	1120	3080	ug/L							

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 9060A	
2	2540C_TDS	
3	4500D_SULFIDE	
4	2320B_ALKALINITY	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

Quality Control Summary

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

QC Summary

Report Date: July 8, 2025

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

Contact: **Ms. Heather Medley**

Workorder: **728733**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Carbon Analysis											
Batch 2814769											
QC1206143093 728728001 DUP											
Total Organic Carbon #1			1150	B	889	ug/L	25.6	^	(+/-1000)	KB3	06/19/25 09:08
Total Organic Carbon #2		B	617	B	664	ug/L	7.34	^	(+/-1000)		
Total Organic Carbon #3			1310		1310	ug/L	0	^	(+/-1000)		
Total Organic Carbon #4		U	330	B	422	ug/L	47.1	^	(+/-1000)		
Total Organic Carbon Average		B	835	B	822	ug/L	1.57	^	(+/-1000)		
QC1206143092 LCS											
Total Organic Carbon Average	10000				10700	ug/L		107	(80%-120%)		06/19/25 08:24
QC1206143091 MB											
Total Organic Carbon Average				U	330	ug/L					06/19/25 08:15
QC1206143094 728728001 PS											
Total Organic Carbon #1	10.0		1.15		10.4	mg/L		92.9	(75%-125%)		06/19/25 09:40
Total Organic Carbon #2	10.0	B	0.617		11.0	mg/L		104	(75%-125%)		
Total Organic Carbon #3	10.0		1.31		10.8	mg/L		95.3	(75%-125%)		
Total Organic Carbon #4	10.0	U	0.261		10.8	mg/L		105	(75%-125%)		
Total Organic Carbon Average	10.0	B	0.835		10.8	mg/L		99.3	(75%-125%)		

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

QC Summary

Workorder: **728733**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2814389										
QC1206142330 728487003 DUP										
Total Dissolved Solids		715000		748000	ug/L	4.51		(0%-20%)	SC1	06/17/25 08:51
QC1206142331 728596009 DUP										
Total Dissolved Solids		310000		314000	ug/L	1.28		(0%-20%)		06/17/25 08:51
QC1206142332 728621004 DUP										
Total Dissolved Solids		434000		425000	ug/L	2.1		(0%-20%)		06/17/25 08:51
QC1206142333 728752001 DUP										
Total Dissolved Solids		129000		144000	ug/L	11		(0%-20%)		06/17/25 08:51
QC1206142329 LCS										
Total Dissolved Solids	300000			300000	ug/L		100	(80%-120%)		06/17/25 08:51
QC1206142328 MB										
Total Dissolved Solids			U	2380	ug/L					06/17/25 08:51
Spectrometric Analysis										
Batch 2814861										
QC1206143335 LCS										
Total Sulfide	400			403	ug/L		101	(80%-120%)	JW2	06/17/25 14:01
QC1206143334 MB										
Total Sulfide			U	33.0	ug/L					06/17/25 14:01
QC1206143336 728274004 PS										
Total Sulfide	0.400	U	-0.00587	0.392	mg/L		98	(75%-125%)		06/17/25 14:01
QC1206143337 728274004 PSD										
Total Sulfide	0.400	U	-0.00587	0.377	mg/L	3.98	94.2	(0%-20%)		06/17/25 14:01

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

QC Summary

Workorder: **728733**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2816956										
QC1206147393 728556001 DUP										
Alkalinity, Total as CaCO3		98600		99000	ug/L	0.434		(0%-20%)	IS2	06/20/25 11:27
Bicarbonate alkalinity (CaCO3)		98600		99000	ug/L	0.434		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	1040	U	1040	ug/L	N/A				
Hydroxide alkalinity as CaCO3	U	1040	U	1040	ug/L	N/A				
QC1206147395 728597015 DUP										
Alkalinity, Total as CaCO3		79700		80300	ug/L	0.714		(0%-20%)		06/20/25 11:54
Bicarbonate alkalinity (CaCO3)		79700		80300	ug/L	0.714		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	1040	U	1040	ug/L	N/A				
Hydroxide alkalinity as CaCO3	U	1040	U	1040	ug/L	N/A				
QC1206147392 LCS										
Alkalinity, Total as CaCO3	15000			14100	ug/L		94	(80%-120%)		06/20/25 11:15
QC1206147397 LCS										
Alkalinity, Total as CaCO3	50000			53900	ug/L		108	(80%-120%)		06/20/25 11:21
QC1206147394 728556001 MS										
Alkalinity, Total as CaCO3	71400	98600		171000	ug/L		101	(75%-125%)		06/20/25 11:30
QC1206147396 728597015 MS										
Alkalinity, Total as CaCO3	71400	79700		141000	ug/L		85.8	(75%-125%)		06/20/25 11:55

Notes:

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

QC Summary

Workorder: **728733**

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

The Qualifiers in this report are defined as follows:

- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Spike Sample recovery is outside control limits.
- > Result greater than quantifiable range or greater than upper limit of the analysis range
- Z Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- D Results are reported from a diluted aliquot of sample.
- E Reported value is estimated due to interferences. See comment in narrative.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- 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.
- < Sample is below the EPA guidance level for Reactive Releasable Cyanide and/or Reactive Releasable Sulfide
- H Laboratory holding time exceeded before the sample was analyzed.

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.

Radiological Analysis

Case Narrative

Radiochemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL728733
Work Order #: 728733

Product: **SMR_I129LOWLEVEL_RAD**
Analytical Method: DOE EML HASL-300,I-01 Modified
Analytical Procedure: GL-RAD-A-006 REV# 24
Analytical Batch: 2812376

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206138002	Method Blank (MB)
1206138003	728276003(NonSDG) Sample Duplicate (DUP)
1206138004	728276003(NonSDG) Matrix Spike (MS)
1206138005	Laboratory Control Sample (LCS)

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

Data Summary:

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.

Product: **SMR_TRITIUM_LSC**
Analytical Method: TRITIUM_LSC
Analytical Procedure: GL-RAD-A-002 REV# 24
Analytical Batch: 2814062

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206141656	Method Blank (MB)
1206141657	Laboratory Control Sample (LCS)
1206141658	Laboratory Control Sample Duplicate (LCSD)

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 were reduced due to limited sample volume.

Product: **SMR_TC99_LSC**
Analytical Method: TC99_LSC
Analytical Procedure: GL-RAD-A-059 REV# 5
Analytical Batch: 2814170

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

GEL Sample ID#	Client Sample Identification
728733001	B4M982
1206141890	Method Blank (MB)
1206141891	728276003(NonSDG) Sample Duplicate (DUP)
1206141892	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
728733001 (B4M982) Aliquot was reduced due to limited sample volume.

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.

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Qualifier Definition Report
for

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL728733 GEL Work Order: 728733

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: Kate Gellatly**

Date: 09 JUL 2025 **Title: Analyst 1 PT**

Sample Data Summary

Rad
Certificate of Analysis
Sample Summary

SDG Number:	**GEL728733**	**Client:**	**CPRC003**	**Project:**	**CPRC0S25006**
Lab Sample ID:	**728733001**	**Date Collected:**	**06/12/2025 07:56**	**Matrix:**	**WATER**
		Date Received:	**06/13/2025 10:15**		
Client ID:	**B4M982**			**Prep Basis:**	**"As Received"**
Batch ID:	**2812376**	**Method:**	**DOE EML HASL-300,I-01 Mo**	**SOP Ref:**	**GL-RAD-A-006**
Run Date:	**06/27/2025 19:07**	**Analyst:**	**SF1**	**Instrument:**	**XRAY7**
Data File:	**I728733001.CNF;1**	**Aliquot:**	**1.2233 L**	**Count Time:**	**120 min**
Prep Batch:	**2812376**	**Prep Method:**	**DOE EML HASL-300,I-01 M**		
Prep Date:	**06/26/2025 09:14**				

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
15046-84-1	Iodine-129	U	0.0596	pCi/L	+/-0.305	0.306	0.620	1.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits

Comments:

U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).
The MDC is a sample specific MDC.

Rad

Certificate of Analysis
Sample Summary

SDG Number:	GEL728733	**Client:**	CPRC003	**Project:**	CPRC0S25006
Lab Sample ID:	728733001	**Date Collected:**	06/12/2025 07:56	**Matrix:**	WATER
		Date Received:	06/13/2025 10:15		
Client ID:	B4M982			**Prep Basis:**	"As Received"
Batch ID:	2814062	**Method:**	TRITIUM_LSC	**SOP Ref:**	GL-RAD-A-002
Run Date:	06/29/2025 04:58	**Analyst:**	IT1	**Instrument:**	LSCOPAL
Data File:	T2814062.xls	**Aliquot:**	40 mL	**Count Time:**	20 min
Prep Batch:	2814062	**Prep Method:**	EPA 906.0 Modified		
Prep Date:	06/16/2025 11:41				

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
10028-17-8	Tritium	U	105	pCi/L	+/-224	225	392	400

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits

Comments:

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

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

The MDC is a sample specific MDC.

Rad

Certificate of Analysis
Sample Summary

SDG Number:	**GEL728733**	**Client:**	**CPRC003**	**Project:**	**CPRC0S25006**
Lab Sample ID:	**728733001**	**Date Collected:**	**06/12/2025 07:56**	**Matrix:**	**WATER**
		Date Received:	**06/13/2025 10:15**		
Client ID:	**B4M982**			**Prep Basis:**	**"As Received"**
Batch ID:	**2814170**	**Method:**	**TC99_LSC**	**SOP Ref:**	**GL-RAD-A-059**
Run Date:	**07/01/2025 20:08**	**Analyst:**	**GS3**	**Instrument:**	**LSCCOPPER**
Data File:	**E2814170.xls**	**Aliquot:**	**51.1 mL**	**Count Time:**	**60 min**
Prep Batch:	**2814170**	**Prep Method:**	**DOE EML HASL-300, Tc-02-**		
Prep Date:	**06/18/2025 09:57**				

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14133-76-7	Technetium-99	U	18.9	pCi/L	+/-28.4	28.5	48.0	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Technetium-99m Tracer	5.59E+05	5.85E+05	CPM	95.6	(30%-105%)

Comments:

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

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

The MDC is a sample specific MDC.

Quality Control Data

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

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

Workorder: **728733**

Report Date: July 9, 2025

Parmname	NOM	Sample	Qual	QC	Units	QC Criteria		Range	Analyst	Date Time
Rad Gamma Spec										
Batch 2812376										
QC1206138002 MB										
Iodine-129			U	-0.0506	pCi/L				SF1	06/28/2516:14
	Uncert:			+/-0.131						
	TPU:			+/-0.133						
QC1206138003 728276003 DUP										
Iodine-129		2.01		3.11	pCi/L					06/28/2516:16
	Uncert:	+/-0.962		+/-0.882		RPD:	43	(0% - 100%)		
	TPU:	+/-0.983		+/-0.935		RER:	1.58	(0-2)		
QC1206138004 728276003 MS										
Iodine-129	38.9	2.01		38.0	pCi/L	REC:	92.6	(75%-125%)		06/27/2517:01
	Uncert:	+/-0.962		+/-3.26						
	TPU:	+/-0.983		+/-4.99						
QC1206138005 LCS										
Iodine-129	28.8			28.8	pCi/L	REC:	100	(80%-120%)		06/27/2516:52
	Uncert:			+/-2.78						
	TPU:			+/-4.00						
Rad Liquid Scintillation										
Batch 2814062										
QC1206141656 MB										
Tritium			U	-1.42	pCi/L				IT1	06/29/2505:19
	Uncert:			+/-211						
	TPU:			+/-211						
QC1206141657 LCS										
Tritium	5700			5650	pCi/L	REC:	99.2	(80%-120%)		06/29/2505:41
	Uncert:			+/-541						
	TPU:			+/-1220						
QC1206141658 LCSD										
Tritium	5700			5520	pCi/L	REC:	96.9	(80%-120%)		06/29/2506:02
	Uncert:			+/-594		RPD:	2	(0%-20%)		
	TPU:			+/-1220		RER:	0.15	(0-2)		
Batch 2814170										
QC1206141890 MB										
Technetium-99			U	4.87	pCi/L				GS3	07/01/2521:10
	Uncert:			+/-14.2						
	TPU:			+/-14.3						
**Technetium-99m Tracer	5.85E+05			5.68E+05	CPM	REC:	97	(30%-105%)		
QC1206141891 728276003 DUP										
Technetium-99	U	5.50	U	-0.274	pCi/L					07/01/2522:13
	Uncert:	+/-13.9		+/-14.1		RPD:	0	N/A		
	TPU:	+/-14.0		+/-14.1		RER:	0.571	(0-2)		
**Technetium-99m Tracer	5.85E+05	5.78E+05		5.72E+05	CPM	REC:	98	(30%-105%)		
QC1206141892 LCS										
Technetium-99	605			538	pCi/L	REC:	88.9	(80%-120%)		07/01/2523:16
	Uncert:			+/-21.8						

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QC Summary

Workorder: **728733**

Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date Time
Rad Liquid Scintillation									
Batch 2814170									
		TPU:		+/-64.4					
**Technetium-99m Tracer	5.85E+05			5.85E+05	CPM	REC: 100	(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:

UX	Gamma Spectroscopy--Uncertain identification
U	Analyzed for but not detected above the MDL, MDA, MDC or LOD.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Spike Sample recovery is outside control limits.
*	Duplicate analysis not within control limits
>	Result greater than quantifiable range or greater than upper limit of the analysis range
Z	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
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).
D	Results are reported from a diluted aliquot of sample.
E	Reported value is estimated due to interferences. See comment in narrative.
M	Duplicate precision not met.
S	Reported value determined by the Method of Standard Additions (MSA)
W	Post-digestion spike recovery for GFAA out of control limit. Sample absorbency < 50% of spike absorbency.
B	The analyte was detected in the associated method blank >/= MDC or >5% sample activity.
Y	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
+	Correlation coefficient for Method of Standard Additions (MSA) is < 0.995
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.
<	Sample is below the EPA guidance level for Reactive Releasable Cyanide and/or Reactive Releasable Sulfide
O	Analyte failed to recover within LCS limits
H	Laboratory holding time exceeded before the sample was analyzed.

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.