



a member of The GEL Group INC



2040 Savage Road | Charleston, SC 29407  
843.556.8171

[gel.com](http://gel.com)

November 19, 2025

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

Re: SAF I26-003  
Work Order: 752728  
SDG: GEL752728

Dear Ms. Medley:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 15, 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](http://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,

A handwritten signature in cursive script that reads "Heather Shaffer".

Heather Shaffer  
Project Manager

Purchase Order: 901852 - 7H  
Chain of Custody: I26-003-152  
Enclosures

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# Case Narrative

**General Narrative  
for  
Central Plateau Cleanup Company (89223)  
SAF I26-003  
SDG: GEL752728**

**November 19, 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 November 15, 2025, for analysis. The sample was 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 sample:

<b>Laboratory Identification</b>	<b>Sample Description</b>
752728001	B4PBP1

**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. This documentation is available upon request. 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.

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.

*Heather Shaffer*

Heather Shaffer  
Project Manager

**General Chemistry  
Technical Case Narrative  
Central Plateau Cleanup Company  
SDG #: GEL752728  
Work Order #: 752728**

**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.

**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**

<b>Central Plateau Cleanup Company</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				752728	C.O.C. # <b>I26-003-152</b>	
						PAGE 1 OF 1		
<b>Collector:</b> Matt Ostby / CPCCo			<b>Contact/Requester:</b> Karen Waters-Husted			<b>Telephone No.:</b> 509-376-4650		
<b>SAF No.:</b> I26-003			<b>Sampling Origin:</b> Hanford Site			<b>Purchase Order/Charge Code:</b> 901852		
<b>Project Title:</b> AEA, November 2025			<b>Logbook No.:</b> HNF-N-506 <b>149</b>			<b>Ice Chest No.:</b> <b>605-976</b>		
<b>Shipped To (Lab):</b> GEL Laboratories, LLC			<b>Method of Shipment:</b> Commercial Carrier			<b>Bill of Lading/Air Bill No.:</b> <b>817275067880</b>		
<b>Protocol:</b> SURV			<b>Priority:</b> 30 Days			<b>Offsite Property No.:</b> N/A		
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> ** ** 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					<b>SPECIAL INSTRUCTIONS</b> Low Volume Wells. Do not use for QC.			
<b>Sample No.</b>	<b>Filter</b>	<b>*</b>	<b>Date</b>	<b>Time</b>	<b>No./Type Container</b>	<b>Sample Analysis</b>	<b>Holding Time</b>	<b>Preservation</b>
B4PBP1	N	W	NOV 12 2025	1156	1x125-mL aG	9060_TOC: COMMON	28 Days	HCl or H2SO4 to pH <2 / Cool <=6C

Relinquished By			Received By			Matrix *	
<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>	<i>Print First and Last Name</i>	<i>Signature</i>	<i>Date/Time</i>	S = Soil	DS = Drum Solids
Matt Ostby / CPCCo	<i>[Signature]</i>	NOV 12 2025 1257	Bob Parks / CPCC	<i>[Signature]</i>	NOV 12 2025 1257	SE = Sediment	DL = Drum Liquids
Bob Parks / CPCC	<i>[Signature]</i>	NOV 12 2025 1300	SSU-1		NOV 12 2025 1300	SO = Solid	T = Tissue
SSU-1		NOV 13 2025 0728	Harvey Brown/CPCCo	<i>[Signature]</i>	NOV 13 2025 0720	SL = Sludge	WI = Wipe
Harvey Brown/CPCCo	<i>[Signature]</i>	NOV 13 2025 1400	FEDEX			W = Water	L = Liquid
	FedEx		M. Stemer / M. Stemer		11.15.25 1020	O = Oil	V = Vegetation
						A = Air	X = Other
<b>FINAL SAMPLE DISPOSITION</b>	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:		Date/Time:

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: CPRC SDG/AR/COC/Work Order: 752728 GEL PM: HS
Received By: MLS Date Received at GEL: 11-15-25

Carrier: (Circle if Applicable) FedEx Express FedEx Ground UPS Field Services Courier Client Other: IR Temp gun # IR2-25 Daily Calibration Performed? Y/N

Table with 4 columns: 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). Rows contain tracking numbers like 8172 7506 7917 and temperatures like 0, 1, 2, 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?
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?

Table with 4 columns: Sample Receipt Criteria, Yes, NA, No, Comments/Qualifiers (Required for Non-Conforming Items). Rows include criteria like 'Shipping containers received intact and sealed?' and 'Chain of custody documents included with shipment?'.

Comments:

PM (or PMA) review: Initials Date 11/18/25

Continuation Form Required when selected

# Data Review Qualifier Definitions

## 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 (Organics 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.		

# Laboratory Certifications

**List of current GEL Certifications as of 19 November 2025**

<b>State</b>	<b>Certification</b>
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 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	2023-152
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	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

# General Chem Analysis

# Case Narrative

**General Chemistry  
Technical Case Narrative  
Central Plateau Cleanup Company  
SDG #: GEL752728  
Work Order #: 752728**

**Product:** Carbon, Total Organic

**Analytical Method:** SW846 9060A

**Analytical Procedure:** GL-GC-E-093 REV# 23

**Analytical Batch:** 2899675

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
752728001	B4PBP1
1206304047	Method Blank (MB)
1206304048	Laboratory Control Sample (LCS)
1206304049	752735006(NonSDG) Sample Duplicate (DUP)
1206304050	752735006(NonSDG) Matrix Spike (MS)

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.

**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: GEL752728 GEL Work Order: 752728

**The Qualifiers in this report are defined as follows:**

- H Laboratory holding time exceeded before the sample was analyzed.
- 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: 19 NOV 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: November 19, 2025

Company : Central Plateau Cleanup Company  
 Address : 200 East / MO-277 / 108  
 PO Box 1600  
 Richland, Washington 99352  
 Contact: Ms. Heather Medley  
 Project: SAF I26-003

Client Sample ID: B4PBP1 Project: CPRC0I26003  
 Sample ID: 752728001 Client ID: CPRC003  
 Matrix: WATER  
 Collect Date: 12-NOV-25 11:56  
 Receive Date: 15-NOV-25  
 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
9060_TOC: COMMON "As Received"												
Total Organic Carbon #1	U	330	330	1000	ug/L		1	KB3	11/17/25	1720	2899675	1
Total Organic Carbon #2	U	330	330	1000	ug/L		1					
Total Organic Carbon #3	U	330	330	1000	ug/L		1					
Total Organic Carbon #4	U	330	330	1000	ug/L		1					
Total Organic Carbon Average	U	330	330	1000	ug/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 9060A	

**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: November 19, 2025

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

Contact: Ms. Heather Medley

Workorder: 752728

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Carbon Analysis</b>											
Batch	2899675										
QC1206304049	752735006 DUP										
Total Organic Carbon #1	U	330	U	330	ug/L	N/A			KB3	11/17/25	18:23
Total Organic Carbon #2	U	330	U	330	ug/L	N/A					
Total Organic Carbon #3	U	330	U	330	ug/L	N/A					
Total Organic Carbon #4	U	330	U	330	ug/L	N/A					
Total Organic Carbon Average	U	330	U	330	ug/L	N/A					
QC1206304048	LCS										
Total Organic Carbon Average	10000			9530	ug/L		95.3	(80%-120%)		11/17/25	17:04
QC1206304047	MB										
Total Organic Carbon Average			U	330	ug/L					11/17/25	16:49
QC1206304050	752735006 MS										
Total Organic Carbon #1	10000	U	330	9550	ug/L		93.8	(75%-125%)		11/17/25	18:55
Total Organic Carbon #2	10000	U	330	9880	ug/L		96.7	(75%-125%)			
Total Organic Carbon #3	10000	U	330	9650	ug/L		94.5	(75%-125%)			
Total Organic Carbon #4	10000	U	330	9960	ug/L		97.4	(75%-125%)			
Total Organic Carbon Average	10000	U	330	9760	ug/L		95.6	(75%-125%)			

### GEL LABORATORIES LLC

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

## QC Summary

Workorder: 752728

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

The Qualifiers in this report are defined as follows:

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

H 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.