



a member of The GEL Group INC



2040 Savage Road | Charleston, SC 29407
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gel.com

September 15, 2025

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

Re: SAF T25
Work Order: 738789
SDG: GEL738789

Dear Ms. Medley:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 16, 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,

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

Heather Shaffer
Project Manager

Purchase Order: 901893- 7H
Chain of Custody: T25-064-011
Enclosures

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Case Narrative

**General Narrative
for
Central Plateau Cleanup Company (89223)
SAF T25
SDG: GEL738789**

September 15, 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 August 16, 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:

Laboratory Identification	Sample Description
738789001	B4MMR8

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: GC/MS Volatile, General Chemistry and Radiochemistry.

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

**Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL738789
Work Order #: 738789**

GC/MS Volatile

Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer

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.

Quality Control (QC) Information

Internal Standard (ISTD) Acceptance

In sample 738789001 (B4MMR8), internal standard responses were outside the required acceptance criteria. Sample re-analysis confirmed matrix interference. The initial results are reported.

In sample 1206217496 (B4P8D8MS), internal standard responses were outside the required acceptance criteria. The recoveries were similar. The results are reported.

Technical Information

Sample Re-extraction/Re-analysis

Sample 738789001 (B4MMR8) was re-analyzed due to unacceptable surrogate and/or internal standard recoveries in the initial analysis. The re-analysis confirmed. The initial results are reported.

General Chemistry

Carbon, Total Organic

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

The following samples 1206205808 (B4P8D8DUP), 1206205809 (B4P8D8MS) and 738789001 (B4MMR8) were diluted because target analyte concentrations exceeded the calibration range.

Analyte	738789
	001
Total Inorganic Carbon #1	10X
Total Inorganic Carbon #2	10X
Total Inorganic Carbon #3	10X
Total Inorganic Carbon #4	10X
Total Inorganic Carbon Average	10X

Cyanide, Free

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**

Total CN levels above the MDL for Free CN were detected in samples . Free CN was performed per SOP (GL-GC-E-073).

Cyanide, Total

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**Manual Integrations**

Sample 1206206888 (LCS) was manually integrated to correctly position the baseline as set in the calibration standards.

Solids, Total Dissolved

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.

Quality Control (QC) Information**Method Blank (MB) Statement**

The MB analyzed with this SDG met the acceptance criteria per GEL's reporting limits. Client requested limits are less than GEL's limits and since they are less than levels we can detect, the data will be qualified.

Sample	Analyte	Value
1206210902 (MB)	Total Dissolved Solids	4 between (2.38 - 10)

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.

Quality Control (QC) Information**Laboratory Control Sample Duplicate (LCSD)**

An LCSD was used in place of matrix QC due to limited sample volume.

Radiochemistry**SMR_UISO_AEA**

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.

Quality Control (QC) Information**Method Blank Criteria**

The blank (See Below) activity is greater than the MDC but is less than five percent of the lowest activity in the batch.

Sample	Analyte	Value
1206228257 (MB)	Uranium-238	Result: 12.8 pCi/L > MDA: 9.58 pCi/L > RDL: 1.00 pCi/L

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1206228257 (MB)	Uranium-233/234	Result 7.33 < MDA 36.8 > RDL 1 pCi/L
	Uranium-235/236	Result -2.82 < MDA 26.2 > RDL 1 pCi/L

Technical Information**Sample Re-prep/Re-analysis**

Sample 738789001 (B4MMR8) was reprepared three times due to a low tracer yield. The fourth analysis is being reported.

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

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

The matrix spike, 1206205329 (Non SDG 738777003MS), aliquot was reduced to conserve sample volume.

SMR_C14_LSC

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

Recounts

Sample 1206208790 (LCS) was recounted due to low recovery. The recount is reported.

Miscellaneous Information

Additional Comments

The matrix spike, 1206208789 (Non SDG 739103001MS), aliquot was reduced to conserve sample volume.

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

T25-064-011

PAGE 1 OF 2

Collector: Chris Fulton/CPCCo	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: T25-064	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901802
Project Title: 200-DV-1 Perched Water, July 2025	Logbook No.: HNF-N-506 150-4	Ice Chest No.: GWS-939
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8835 9947 8863
Protocol: CERCLA	Priority: 30 Days	Offsite Property No.: N/A

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

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

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4MMR8	N		AUG 14 2025	1043	1x250-mL G/P	2320B_ALKALINITY: COMMON	14 Days	Cool <=6C
B4MMR8	N	W			1x250-mL G/P	2540C_TDS: COMMON	7 Days	Cool <=6C
B4MMR8	N	W			1x1-L G/P	4500D_SULFIDE: COMMON	7 Days	ZnAc+NaOH to pH > 9 / Cool <=6C
B4MMR8	N	W			4x40-mL aGs*	8260_VOA_GCMS_IX: COMMON REV 1	14 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4MMR8	N	W			1x250-mL aG	9060_TIC: COMMON	28 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4MMR8	N	W			1x250-mL aG	9060_TOC: COMMON	28 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4MMR8	N	W			1x250-mL aG	D4282_FREE_CYANIDE: COMMON; 9012_CYANIDE (TOTAL): COMMON	14 Days	NaOH to pH >=12 / Cool <=6C
B4MMR8	N		AUG 14 2025	1043	1x250-mL G/P	SMR_C14_LSC	6 Months	None

Relinquished By			Received By			Matrix *
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Chris Fulton/CPCCo		AUG 14 2025 1140	Harvey Brown/CPCCo		AUG 14 2025 1140	
Harvey Brown/CPCCo		AUG 14 2025 1200	SSU-1		AUG 14 2025 1200	
SSU-1		AUG 15 2025 0700	Kevin Patterson CPCC		AUG 15 2025 0700	
Kevin Patterson CPCC		AUG 15 2025 1400	FEDEX		8.16.25 930	

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # T25-064-011

PAGE 2 OF 2

Collector: Chris Fulton/CPCCo	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: T25-064	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901802
Project Title: 200-DV-1 Perched Water, July 2025	Logbook No.: HNF-N-506 150-4	Ice Chest No.: 6WS-939
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8835 9947 8863
Protocol: CERCLA	Priority: 30 Days	Offsite Property No.: N/A

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

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

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4MMR8	N	W	AUG 14 2025	1043	1x4-L G/P	SMR_I129LOWLEVEL_RAD	6 Months	None
B4MMR8	N	W			1x250-mL G/P	SMR_TC99_LSC	6 Months	HNO3 to pH <2
B4MMR8	N	W			1x250-mL G/P	SMR_TRITIUM_LSC	6 Months	None
B4MMR8	N	W	AUG 14 2025	1043	1x500-mL G/P	SMR_UIISO_AEA	6 Months	HNO3 to pH <2

Relinquished By			Received By			Matrix *	
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	S = Soil	DS = Drum Solids
Chris Fulton/CPCCo		AUG 14 2025 1140	Harvey Brown/CPCCo		AUG 14 2025 1140	SE = Sediment	DL = Drum Liquids
Harvey Brown/CPCCo		AUG 14 2025 1200	8SU-1		AUG 14 2025 1200	SO = Solid	T = Tissue
8SU-1		AUG 15 2025 0700	Kevin Patterson CPCC		AUG 15 2025 0700	SL = Sludge	WI = Wipe
Kevin Patterson CPCC		AUG 15 2025 1400	FEDEX			W = Water	L = Liquid
	FedEx		M. Steiner		8.16.25 930	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:
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GEL Laboratories LLC		SAMPLE RECEIPT & REVIEW FORM	
Client: <u>C PRC</u>	SDG/AR/COC/Work Order: <u>738789</u>	GEL PM: <u>HS</u>	
Received By: <u>MLS</u>	Date Received at GEL: <u>8.16.25</u>		
Carrier (Circle Applicable) <input checked="" type="checkbox"/> FedEx Express <input type="checkbox"/> FedEx Ground <input type="checkbox"/> UPS <input type="checkbox"/> Field Services <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> Other:		IR Temp gun # <u>IR1-23</u> Daily Calibration Performed <input checked="" type="checkbox"/> <u>Y/N</u>	
Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number
<u>8836 0916 3374</u>	<u>3</u>		
<u>8835 9947 8863</u>	<u>4</u>		
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?		<input checked="" type="checkbox"/>	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?	<input checked="" type="checkbox"/>		COC notation or radioactive stickers on containers equal client designation
C) Did the RSO classify the samples as radioactive?	<input checked="" type="checkbox"/>		Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0 CPM</u> / mR/Hr Classified as: <input checked="" type="checkbox"/> Rad 1 <input type="checkbox"/> Rad 2 <input type="checkbox"/> Rad 3
D) Are there any sample hazards to document?		<input checked="" type="checkbox"/>	If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: _____
E) Was a SDS received and reviewed by Lab Safety?		<input checked="" type="checkbox"/>	Circle Applicable: See additional Comments below. No additional comments needed after review.
Sample Receipt Criteria	Yes	NA	No
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>		
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>		
3 If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	<input checked="" type="checkbox"/>		
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>		
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>		
6 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)	<input checked="" type="checkbox"/>		
7 Samples received within holding time?	<input checked="" type="checkbox"/>		
8 Sample IDs on COC match IDs on bottles?	<input checked="" type="checkbox"/>		
9 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>		
10 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>		
11 Are sample containers identifiable as GEL provided by use of GEL labels?		<input checked="" type="checkbox"/>	
12 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>		
Comments:			
PM (or PMA) review: Initials <u>WVA</u> Date <u>8/18/25</u>			
<input type="checkbox"/> 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 15 September 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 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

Volatile Analysis

Case Narrative

**GC/MS Volatile
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL738789
Work Order #: 738789**

Product: Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer

Analytical Method: SW846 8260D

Analytical Procedure: GL-OA-E-038 REV# 31

Analytical Batch: 2854994

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206217493	Laboratory Control Sample (LCS)
1206217494	Laboratory Control Sample (LCS)
1206217495	Method Blank (MB)
1206217496	738560001(B4P8D8) Matrix Spike (MS)
1206217497	738560001(B4P8D8) Matrix Spike Duplicate (MSD)
1206217500	738560001(B4P8D8) Matrix Spike (MS)
1206217501	738560001(B4P8D8) 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.

Quality Control (QC) Information

Internal Standard (ISTD) Acceptance

In sample 738789001 (B4MMR8), internal standard responses were outside the required acceptance criteria. Sample re-analysis confirmed matrix interference. The initial results are reported.

In sample 1206217496 (B4P8D8MS), internal standard responses were outside the required acceptance criteria. The recoveries were similar. The results are reported.

Technical Information

Sample Re-extraction/Re-analysis

Sample 738789001 (B4MMR8) was re-analyzed due to unacceptable surrogate and/or internal standard recoveries in the initial analysis. The re-analysis confirmed. The initial results are reported.

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: GEL738789 GEL Work Order: 738789

The Qualifiers in this report are defined as follows:

- 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
- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- DL Indicates that sample is diluted.
- RA Indicates that sample is re-analyzed without re-extraction.
- RE Indicates that sample is re-extracted.

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: Erin Haubert

Date: 11 SEP 2025

Title: Data Validator

Sample Data Summary

**Volatile
 Certificate of Analysis
 Sample Summary**

SDG Number: GEL738789	Date Collected: 08/14/2025 10:43	Matrix: WATER
Lab Sample ID: 738789001	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Client: CPCR003	Project: CPCR0T25Q
Batch ID: 2854994	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 08/28/2025 14:27	Inst: VOAE.I	Dilution: 1
Prep Date: 08/28/2025 14:27	Analyst: CM6	Purge Vol: 5 mL
Data File: 082825VE\EG412.D	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
75-71-8	Dichlorodifluoromethane	U	0.355	ug/L	0.355	1.00	10.0
74-87-3	Chloromethane	U	0.333	ug/L	0.333	1.00	10.0
75-01-4	Vinyl chloride	U	0.333	ug/L	0.333	1.00	10.0
74-83-9	Bromomethane	U	0.337	ug/L	0.337	1.00	10.0
75-00-3	Chloroethane	U	0.333	ug/L	0.333	1.00	10.0
75-69-4	Trichlorofluoromethane	U	0.333	ug/L	0.333	1.00	10.0
67-64-1	Acetone	U	1.74	ug/L	1.74	5.00	20.0
75-35-4	1,1-Dichloroethylene	U	0.333	ug/L	0.333	1.00	10.0
74-88-4	Iodomethane	U	1.67	ug/L	1.67	5.00	10.0
75-05-8	Acetonitrile	U	8.33	ug/L	8.33	25.0	100
75-15-0	Carbon disulfide	U	1.67	ug/L	1.67	5.00	5.00
75-09-2	Methylene chloride	J	2.66	ug/L	0.500	5.00	5.00
156-60-5	trans-1,2-Dichloroethylene	U	0.333	ug/L	0.333	1.00	5.00
108-05-4	Vinyl acetate	U	1.67	ug/L	1.67	5.00	50.0
75-34-3	1,1-Dichloroethane	U	0.333	ug/L	0.333	1.00	10.0
78-93-3	2-Butanone	U	1.67	ug/L	1.67	5.00	10.0
156-59-2	cis-1,2-Dichloroethylene	U	0.333	ug/L	0.333	1.00	5.00
67-66-3	Chloroform	U	0.333	ug/L	0.333	1.00	5.00
71-55-6	1,1,1-Trichloroethane	U	0.333	ug/L	0.333	1.00	5.00
56-23-5	Carbon tetrachloride	U	0.333	ug/L	0.333	1.00	3.00
107-06-2	1,2-Dichloroethane	U	0.333	ug/L	0.333	1.00	5.00
71-43-2	Benzene	U	0.333	ug/L	0.333	1.00	5.00
79-01-6	Trichloroethylene	U	0.333	ug/L	0.333	1.00	5.00
78-87-5	1,2-Dichloropropane	U	0.333	ug/L	0.333	1.00	5.00
74-95-3	Dibromomethane	U	0.333	ug/L	0.333	1.00	10.0
75-27-4	Bromodichloromethane	U	0.333	ug/L	0.333	1.00	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	0.333	ug/L	0.333	1.00	5.00
108-10-1	4-Methyl-2-pentanone	U	1.67	ug/L	1.67	5.00	10.0
108-88-3	Toluene	U	0.333	ug/L	0.333	1.00	5.00
10061-02-6	trans-1,3-Dichloropropylene	U	0.333	ug/L	0.333	1.00	5.00
79-00-5	1,1,2-Trichloroethane	U	0.333	ug/L	0.333	1.00	5.00
591-78-6	2-Hexanone	U	1.67	ug/L	1.67	5.00	20.0
127-18-4	Tetrachloroethylene	U	0.333	ug/L	0.333	1.00	5.00
124-48-1	Dibromochloromethane	U	0.333	ug/L	0.333	1.00	5.00
106-93-4	1,2-Dibromoethane	U	0.333	ug/L	0.333	1.00	5.00
108-90-7	Chlorobenzene	U	0.333	ug/L	0.333	1.00	5.00
100-41-4	Ethylbenzene	U	0.333	ug/L	0.333	1.00	4.00
100-42-5	Styrene	U	0.333	ug/L	0.333	1.00	5.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number: GEL738789	Date Collected: 08/14/2025 10:43	Matrix: WATER
Lab Sample ID: 738789001	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Client: CPRC003	Project: CPRC0T25Q
Batch ID: 2854994	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 08/28/2025 14:27	Inst: VOAE.I	Dilution: 1
Prep Date: 08/28/2025 14:27	Analyst: CM6	Purge Vol: 5 mL
Data File: 082825VE\EG412.D	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
75-25-2	Bromoform	U	0.333	ug/L	0.333	1.00	5.00
79-34-5	1,1,2,2-Tetrachloroethane	U	0.333	ug/L	0.333	1.00	5.00
96-18-4	1,2,3-Trichloropropane	U	0.333	ug/L	0.333	1.00	5.00
106-46-7	1,4-Dichlorobenzene	U	0.333	ug/L	0.333	1.00	4.00
96-12-8	1,2-Dibromo-3-chloropropane	U	0.333	ug/L	0.333	1.00	5.00
107-02-8	Acrolein	U	1.67	ug/L	1.67	5.00	100
107-05-1	Allyl chloride	U	1.67	ug/L	1.67	5.00	10.0
107-13-1	Acrylonitrile	U	1.67	ug/L	1.67	5.00	100
126-99-8	2-Chloro-1,3-butadiene	U	0.333	ug/L	0.333	1.00	10.0
107-12-0	Propionitrile	U	1.67	ug/L	1.67	5.00	10.0
126-98-7	Methacrylonitrile	U	1.67	ug/L	1.67	5.00	10.0
78-83-1	Isobutyl alcohol	U	16.7	ug/L	16.7	50.0	500
80-62-6	Methyl methacrylate	U	1.67	ug/L	1.67	5.00	10.0
97-63-2	Ethyl methacrylate	U	1.67	ug/L	1.67	5.00	10.0
110-57-6	trans-1,4-Dichloro-2-butene	U	1.67	ug/L	1.67	5.00	50.0
1330-20-7	Xylenes (total)	U	1.00	ug/L	1.00	3.00	10.0
630-20-6	1,1,1,2-Tetrachloroethane	U	0.333	ug/L	0.333	1.00	1.7

Quality Control Summary

GEL LABORATORIES LLC

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QC Summary

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

Contact: Ms. Heather Medley

Workorder: 738789

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
QC1206217493 LCS											
1,1,1,2-Tetrachloroethane	50.0			51.1	ug/L		102	(73%-122%)	CM6	08/28/25	10:39
1,1,1-Trichloroethane	50.0			49.4	ug/L		99	(70%-130%)			
1,1,2,2-Tetrachloroethane	50.0			43.3	ug/L		87	(66%-123%)			
1,1,2-Trichloroethane	50.0			46.5	ug/L		93	(70%-120%)			
1,1-Dichloroethane	50.0			47.3	ug/L		95	(75%-126%)			
1,1-Dichloroethylene	50.0			50.1	ug/L		100	(72%-136%)			
1,2,3-Trichloropropane	50.0			47.6	ug/L		95	(69%-120%)			
1,2-Dibromo-3-chloropropane	50.0			45.3	ug/L		91	(58%-130%)			
1,2-Dibromoethane	50.0			50.4	ug/L		101	(71%-120%)			
1,2-Dichloroethane	50.0			47.0	ug/L		94	(64%-129%)			
1,2-Dichloropropane	50.0			46.5	ug/L		93	(72%-121%)			
1,4-Dichlorobenzene	50.0			45.9	ug/L		92	(72%-120%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
2-Butanone	250			245	ug/L		98	(63%-134%)	CM6	08/28/25	10:39
2-Hexanone	250			253	ug/L		101	(58%-143%)			
4-Methyl-2-pentanone	250			255	ug/L		102	(65%-125%)			
Acetone	250			226	ug/L		90	(56%-149%)			
Acetonitrile	1250			1150	ug/L		92	(56%-135%)			
Benzene	50.0			46.3	ug/L		93	(74%-128%)			
Bromodichloromethane	50.0			52.3	ug/L		105	(72%-126%)			
Bromoform	50.0			44.0	ug/L		88	(70%-130%)			
Bromomethane	50.0			50.2	ug/L		100	(64%-142%)			
Carbon disulfide	250			233	ug/L		93	(63%-133%)			
Carbon tetrachloride	50.0			51.2	ug/L		102	(70%-135%)			
Chlorobenzene	50.0			46.3	ug/L		93	(74%-120%)			
Chloroethane	50.0			52.2	ug/L		104	(66%-140%)			
Chloroform	50.0			46.4	ug/L		93	(74%-122%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Chloromethane	50.0			54.4	ug/L		109	(56%-142%)	CM6	08/28/25	10:39
Dibromochloromethane	50.0			53.8	ug/L		108	(70%-130%)			
Dibromomethane	50.0			48.4	ug/L		97	(72%-120%)			
Dichlorodifluoromethane	50.0			57.0	ug/L		114	(58%-151%)			
Ethylbenzene	50.0			47.2	ug/L		94	(71%-121%)			
Iodomethane	250			211	ug/L		84	(69%-128%)			
Methylene chloride	50.0			46.9	ug/L		94	(65%-121%)			
Styrene	50.0			52.7	ug/L		105	(70%-125%)			
Tetrachloroethylene	50.0			47.4	ug/L		95	(70%-130%)			
Toluene	50.0			45.8	ug/L		92	(73%-121%)			
Trichloroethylene	50.0			49.3	ug/L		99	(76%-126%)			
Trichlorofluoromethane	50.0			49.6	ug/L		99	(63%-136%)			
Vinyl acetate	250			264	ug/L		106	(65%-133%)			
Vinyl chloride	50.0			51.9	ug/L		104	(63%-144%)			

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QC Summary

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Xylenes (total)	150			151	ug/L		101	(74%-124%)	CM6	08/28/25	10:39
cis-1,2-Dichloroethylene	50.0			47.6	ug/L		95	(73%-122%)			
cis-1,3-Dichloropropylene	50.0			50.9	ug/L		102	(73%-125%)			
trans-1,2-Dichloroethylene	50.0			47.8	ug/L		96	(73%-129%)			
trans-1,3-Dichloropropylene	50.0			52.4	ug/L		105	(70%-126%)			
**1,2-Dichloroethane-d4	50.0			48.4	ug/L		97	(76%-127%)			
**Bromofluorobenzene	50.0			47.4	ug/L		95	(74%-123%)			
**Toluene-d8	50.0			48.0	ug/L		96	(77%-121%)			
QC1206217494 LCS											
2-Chloro-1,3-butadiene	50.0			46.7	ug/L		93	(64%-131%)		08/28/25	11:29
Acrolein	250			263	ug/L		105	(60%-140%)			
Acrylonitrile	250			223	ug/L		89	(68%-127%)			
Allyl chloride	250			238	ug/L		95	(66%-128%)			
Ethyl methacrylate	250			238	ug/L		95	(66%-125%)			
Isobutyl alcohol	2500			2400	ug/L		96	(65%-137%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Methacrylonitrile	250			219	ug/L		87	(65%-126%)	CM6	08/28/25	11:29
Methyl methacrylate	250			237	ug/L		95	(68%-122%)			
Propionitrile	250			230	ug/L		92	(64%-127%)			
trans-1,4-Dichloro-2-butene	250			230	ug/L		92	(63%-141%)			
**1,2-Dichloroethane-d4	50.0			52.2	ug/L		104	(76%-127%)			
**Bromofluorobenzene	50.0			51.5	ug/L		103	(74%-123%)			
**Toluene-d8	50.0			48.0	ug/L		96	(77%-121%)			
QC1206217495 MB											
1,1,1,2-Tetrachloroethane			U	0.333	ug/L					08/28/25	12:20
1,1,1-Trichloroethane			U	0.333	ug/L						
1,1,2,2-Tetrachloroethane			U	0.333	ug/L						
1,1,2-Trichloroethane			U	0.333	ug/L						
1,1-Dichloroethane			U	0.333	ug/L						
1,1-Dichloroethylene			U	0.333	ug/L						
1,2,3-Trichloropropane			U	0.333	ug/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
1,2-Dibromo-3-chloropropane			U	0.333	ug/L				CM6	08/28/25	12:20
1,2-Dibromoethane			U	0.333	ug/L						
1,2-Dichloroethane			U	0.333	ug/L						
1,2-Dichloropropane			U	0.333	ug/L						
1,4-Dichlorobenzene			U	0.333	ug/L						
2-Butanone			U	1.67	ug/L						
2-Chloro-1,3-butadiene			U	0.333	ug/L						
2-Hexanone			U	1.67	ug/L						
4-Methyl-2-pentanone			U	1.67	ug/L						
Acetone			U	1.74	ug/L						
Acetonitrile			U	8.33	ug/L						
Acrolein			U	1.67	ug/L						
Acrylonitrile			U	1.67	ug/L						
Allyl chloride			U	1.67	ug/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Benzene			U	0.333	ug/L				CM6	08/28/25	12:20
Bromodichloromethane			U	0.333	ug/L						
Bromoform			U	0.333	ug/L						
Bromomethane			U	0.337	ug/L						
Carbon disulfide			U	1.67	ug/L						
Carbon tetrachloride			U	0.333	ug/L						
Chlorobenzene			U	0.333	ug/L						
Chloroethane			U	0.333	ug/L						
Chloroform			U	0.333	ug/L						
Chloromethane			U	0.333	ug/L						
Dibromochloromethane			U	0.333	ug/L						
Dibromomethane			U	0.333	ug/L						
Dichlorodifluoromethane			U	0.355	ug/L						
Ethyl methacrylate			U	1.67	ug/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Ethylbenzene			U	0.333	ug/L				CM6	08/28/25	12:20
Iodomethane			U	1.67	ug/L						
Isobutyl alcohol			U	16.7	ug/L						
Methacrylonitrile			U	1.67	ug/L						
Methyl methacrylate			U	1.67	ug/L						
Methylene chloride			U	0.500	ug/L						
Propionitrile			U	1.67	ug/L						
Styrene			U	0.333	ug/L						
Tetrachloroethylene			U	0.333	ug/L						
Toluene			U	0.333	ug/L						
Trichloroethylene			U	0.333	ug/L						
Trichlorofluoromethane			U	0.333	ug/L						
Vinyl acetate			U	1.67	ug/L						
Vinyl chloride			U	0.333	ug/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Xylenes (total)			U	1.00	ug/L				CM6	08/28/25	12:20
cis-1,2-Dichloroethylene			U	0.333	ug/L						
cis-1,3-Dichloropropylene			U	0.333	ug/L						
trans-1,2-Dichloroethylene			U	0.333	ug/L						
trans-1,3-Dichloropropylene			U	0.333	ug/L						
trans-1,4-Dichloro-2-butene			U	1.67	ug/L						
**1,2-Dichloroethane-d4	50.0			51.3	ug/L		103	(76%-127%)			
**Bromofluorobenzene	50.0			51.8	ug/L		104	(74%-123%)			
**Toluene-d8	50.0			51.6	ug/L		103	(77%-121%)			
QC1206217496 738560001 MS											
1,1,1,2-Tetrachloroethane	50.0	U	0.333	48.2	ug/L		96	(67%-130%)		08/28/25	18:14
1,1,1-Trichloroethane	50.0	U	0.333	47.2	ug/L		94	(56%-133%)			
1,1,2,2-Tetrachloroethane	50.0	U	0.333	44.0	ug/L		88	(59%-136%)			
1,1,2-Trichloroethane	50.0	U	0.333	46.7	ug/L		93	(68%-123%)			
1,1-Dichloroethane	50.0	U	0.333	49.9	ug/L		100	(67%-128%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
1,1-Dichloroethylene	50.0	U	0.333	50.2	ug/L		100	(57%-137%)	CM6	08/28/25	18:14
1,2,3-Trichloropropane	50.0	U	0.333	46.3	ug/L		93	(67%-126%)			
1,2-Dibromo-3-chloropropane	50.0	U	0.333	42.0	ug/L		84	(49%-137%)			
1,2-Dibromoethane	50.0	U	0.333	47.5	ug/L		95	(65%-124%)			
1,2-Dichloroethane	50.0	U	0.333	48.6	ug/L		97	(60%-134%)			
1,2-Dichloropropane	50.0	U	0.333	49.5	ug/L		99	(67%-125%)			
1,4-Dichlorobenzene	50.0	U	0.333	44.6	ug/L		89	(54%-123%)			
2-Butanone	250	U	1.67	299	ug/L		120	(47%-134%)			
2-Hexanone	250	U	1.67	303	ug/L		121	(55%-140%)			
4-Methyl-2-pentanone	250	U	1.67	281	ug/L		113	(60%-132%)			
Acetone	250	U	1.74	259	ug/L		104	(50%-139%)			
Acetonitrile	1250	U	8.33	1500	ug/L		120	(49%-140%)			
Benzene	50.0	U	0.333	47.8	ug/L		96	(67%-128%)			
Bromodichloromethane	50.0	U	0.333	49.8	ug/L		100	(64%-130%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Bromoform	50.0	U	0.333	38.9	ug/L		78	(58%-134%)	CM6	08/28/25	18:14
Bromomethane	50.0	U	0.337	72.0	ug/L		144	(55%-149%)			
Carbon disulfide	250	U	1.67	246	ug/L		98	(55%-131%)			
Carbon tetrachloride	50.0	U	0.333	46.5	ug/L		93	(58%-141%)			
Chlorobenzene	50.0	U	0.333	45.6	ug/L		91	(63%-121%)			
Chloroethane	50.0	U	0.333	56.4	ug/L		113	(56%-143%)			
Chloroform	50.0	U	0.333	45.4	ug/L		91	(65%-128%)			
Chloromethane	50.0	U	0.333	65.7	ug/L		131	(42%-152%)			
Dibromochloromethane	50.0	U	0.333	49.7	ug/L		99	(63%-137%)			
Dibromomethane	50.0	U	0.333	47.2	ug/L		94	(67%-126%)			
Dichlorodifluoromethane	50.0	U	0.355	51.3	ug/L		103	(37%-162%)			
Ethylbenzene	50.0	U	0.333	48.2	ug/L		96	(58%-123%)			
Iodomethane	250	U	1.67	196	ug/L		79	(61%-130%)			
Methylene chloride	50.0	J	2.86	47.1	ug/L		89	(58%-123%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Styrene	50.0	U	0.333	53.5	ug/L		107	(58%-129%)	CM6	08/28/25	18:14
Tetrachloroethylene	50.0	U	0.333	46.3	ug/L		93	(56%-126%)			
Toluene	50.0	U	0.333	45.8	ug/L		92	(63%-121%)			
Trichloroethylene	50.0	U	0.333	47.8	ug/L		96	(61%-130%)			
Trichlorofluoromethane	50.0	U	0.333	44.9	ug/L		90	(48%-137%)			
Vinyl acetate	250	U	1.67	315	ug/L		126	(55%-137%)			
Vinyl chloride	50.0	U	0.333	60.8	ug/L		122	(49%-153%)			
Xylenes (total)	150	U	1.00	157	ug/L		105	(55%-129%)			
cis-1,2-Dichloroethylene	50.0	U	0.333	50.4	ug/L		101	(65%-128%)			
cis-1,3-Dichloropropylene	50.0	U	0.333	48.0	ug/L		96	(63%-129%)			
trans-1,2-Dichloroethylene	50.0	U	0.333	49.1	ug/L		98	(63%-129%)			
trans-1,3-Dichloropropylene	50.0	U	0.333	49.9	ug/L		100	(65%-130%)			
**1,2-Dichloroethane-d4	50.0		51.0	52.9	ug/L		106	(76%-127%)			
**Bromofluorobenzene	50.0		51.3	45.9	ug/L		92	(74%-123%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
**Toluene-d8	50.0	51.0		50.6	ug/L		101	(77%-121%)	CM6	08/28/25	18:14
QC1206217500 738560001 MS											
2-Chloro-1,3-butadiene	50.0	U	0.333	47.6	ug/L		95	(56%-137%)		08/28/25	19:04
Acrolein	250	U	1.67	277	ug/L		111	(37%-143%)			
Acrylonitrile	250	U	1.67	236	ug/L		94	(62%-133%)			
Allyl chloride	250	U	1.67	264	ug/L		105	(58%-136%)			
Ethyl methacrylate	250	U	1.67	243	ug/L		97	(56%-133%)			
Isobutyl alcohol	2500	U	16.7	2650	ug/L		106	(58%-144%)			
Methacrylonitrile	250	U	1.67	236	ug/L		94	(61%-135%)			
Methyl methacrylate	250	U	1.67	230	ug/L		92	(61%-136%)			
Propionitrile	250	U	1.67	239	ug/L		96	(61%-134%)			
trans-1,4-Dichloro-2-butene	250	U	1.67	252	ug/L		101	(59%-149%)			
**1,2-Dichloroethane-d4	50.0	51.0		52.6	ug/L		105	(76%-127%)			
**Bromofluorobenzene	50.0	51.3		55.3	ug/L		111	(74%-123%)			
**Toluene-d8	50.0	51.0		51.0	ug/L		102	(77%-121%)			

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QC Summary

Workorder: 738789

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
	QC1206217497 738560001 MSD										
1,1,1,2-Tetrachloroethane	50.0	U	0.333	45.7	ug/L	5	91	(0%-20%)	CM6	08/28/25	18:39
1,1,1-Trichloroethane	50.0	U	0.333	45.8	ug/L	3	92	(0%-20%)			
1,1,2,2-Tetrachloroethane	50.0	U	0.333	41.6	ug/L	6	83	(0%-20%)			
1,1,2-Trichloroethane	50.0	U	0.333	43.6	ug/L	7	87	(0%-20%)			
1,1-Dichloroethane	50.0	U	0.333	47.6	ug/L	5	95	(0%-20%)			
1,1-Dichloroethylene	50.0	U	0.333	50.0	ug/L	0	100	(0%-20%)			
1,2,3-Trichloropropane	50.0	U	0.333	43.7	ug/L	6	87	(0%-20%)			
1,2-Dibromo-3-chloropropane	50.0	U	0.333	39.9	ug/L	5	80	(0%-20%)			
1,2-Dibromoethane	50.0	U	0.333	44.5	ug/L	7	89	(0%-20%)			
1,2-Dichloroethane	50.0	U	0.333	45.6	ug/L	6	91	(0%-20%)			
1,2-Dichloropropane	50.0	U	0.333	47.0	ug/L	5	94	(0%-20%)			
1,4-Dichlorobenzene	50.0	U	0.333	43.5	ug/L	3	87	(0%-20%)			
2-Butanone	250	U	1.67	263	ug/L	13	105	(0%-20%)			
2-Hexanone	250	U	1.67	265	ug/L	13	106	(0%-20%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
4-Methyl-2-pentanone	250	U	1.67	255	ug/L	10	102	(0%-20%)	CM6	08/28/25	18:39
Acetone	250	U	1.74	237	ug/L	9	95	(0%-20%)			
Acetonitrile	1250	U	8.33	1340	ug/L	11	107	(0%-20%)			
Benzene	50.0	U	0.333	45.5	ug/L	5	91	(0%-20%)			
Bromodichloromethane	50.0	U	0.333	48.2	ug/L	3	96	(0%-20%)			
Bromoform	50.0	U	0.333	37.3	ug/L	4	75	(0%-20%)			
Bromomethane	50.0	U	0.337	64.8	ug/L	11	130	(0%-20%)			
Carbon disulfide	250	U	1.67	239	ug/L	3	96	(0%-20%)			
Carbon tetrachloride	50.0	U	0.333	45.8	ug/L	2	92	(0%-20%)			
Chlorobenzene	50.0	U	0.333	43.5	ug/L	5	87	(0%-20%)			
Chloroethane	50.0	U	0.333	53.6	ug/L	5	107	(0%-20%)			
Chloroform	50.0	U	0.333	44.5	ug/L	2	89	(0%-20%)			
Chloromethane	50.0	U	0.333	64.2	ug/L	2	128	(0%-20%)			
Dibromochloromethane	50.0	U	0.333	46.0	ug/L	8	92	(0%-20%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Dibromomethane	50.0	U	0.333	45.0	ug/L	5	90	(0%-20%)	CM6	08/28/25	18:39
Dichlorodifluoromethane	50.0	U	0.355	56.6	ug/L	10	113	(0%-20%)			
Ethylbenzene	50.0	U	0.333	45.5	ug/L	6	91	(0%-20%)			
Iodomethane	250	U	1.67	198	ug/L	1	79	(0%-20%)			
Methylene chloride	50.0	J	2.86	48.0	ug/L	2	90	(0%-20%)			
Styrene	50.0	U	0.333	49.2	ug/L	8	98	(0%-20%)			
Tetrachloroethylene	50.0	U	0.333	42.3	ug/L	9	85	(0%-20%)			
Toluene	50.0	U	0.333	43.3	ug/L	6	87	(0%-20%)			
Trichloroethylene	50.0	U	0.333	46.3	ug/L	3	93	(0%-20%)			
Trichlorofluoromethane	50.0	U	0.333	45.4	ug/L	1	91	(0%-20%)			
Vinyl acetate	250	U	1.67	280	ug/L	12	112	(0%-20%)			
Vinyl chloride	50.0	U	0.333	58.5	ug/L	4	117	(0%-20%)			
Xylenes (total)	150	U	1.00	145	ug/L	8	96	(0%-20%)			
cis-1,2-Dichloroethylene	50.0	U	0.333	48.0	ug/L	5	96	(0%-20%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
cis-1,3-Dichloropropylene	50.0	U	0.333	46.7	ug/L	3	93	(0%-20%)	CM6	08/28/25	18:39
trans-1,2-Dichloroethylene	50.0	U	0.333	48.1	ug/L	2	96	(0%-20%)			
trans-1,3-Dichloropropylene	50.0	U	0.333	48.4	ug/L	3	97	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		51.0	52.6	ug/L		105	(76%-127%)			
**Bromofluorobenzene	50.0		51.3	49.6	ug/L		99	(74%-123%)			
**Toluene-d8	50.0		51.0	50.6	ug/L		101	(77%-121%)			
QC1206217501 738560001 MSD											
2-Chloro-1,3-butadiene	50.0	U	0.333	45.2	ug/L	5	90	(0%-20%)		08/28/25	19:29
Acrolein	250	U	1.67	265	ug/L	5	106	(0%-20%)			
Acrylonitrile	250	U	1.67	226	ug/L	4	91	(0%-20%)			
Allyl chloride	250	U	1.67	248	ug/L	6	99	(0%-20%)			
Ethyl methacrylate	250	U	1.67	236	ug/L	3	95	(0%-20%)			
Isobutyl alcohol	2500	U	16.7	2560	ug/L	3	102	(0%-20%)			
Methacrylonitrile	250	U	1.67	226	ug/L	4	90	(0%-20%)			
Methyl methacrylate	250	U	1.67	225	ug/L	2	90	(0%-20%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2854994										
Propionitrile	250	U	1.67	234	ug/L	2	94	(0%-20%)	CM6	08/28/25	19:29
trans-1,4-Dichloro-2-butene	250	U	1.67	241	ug/L	4	97	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		51.0	51.6	ug/L		103	(76%-127%)			
**Bromofluorobenzene	50.0		51.3	52.7	ug/L		105	(74%-123%)			
**Toluene-d8	50.0		51.0	49.5	ug/L		99	(77%-121%)			

Notes:

The Qualifiers in this report are defined as follows:

- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- 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
- P Aroclor target analyte with greater than 25% difference between column analyses.
- C Analyte has been confirmed by GC/MS analysis
- B The analyte was detected in both the associated QC blank and in the sample.
- E Concentration exceeds the calibration range of the instrument
- A The TIC is a suspected aldol-condensation product
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Spike Sample recovery is outside control limits.
- 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.
- O Analyte failed to recover within LCS limits (Organics only)
- T Spike and/or spike duplicate sample recovery is outside control limits.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Laboratory holding time exceeded before the sample was analyzed.

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QC Summary

Workorder: 738789

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

Volatile
Surrogate Recovery Report

SDG Number: GEL738789
Matrix Type: LIQUID

Sample ID	Client ID	DCED4 %REC	TOL %REC	BFB %REC
1206217493	LCS for batch 2854994	97	96	95
1206217494	LCS for batch 2854994	104	96	103
1206217495	MB for batch 2854994	103	103	104
738789001	B4MMR8	101	102	96
1206217496	B4P8D8MS	106	101	92
1206217497	B4P8D8MSD	105	101	99
1206217500	B4P8D8MS	105	102	111
1206217501	B4P8D8MSD	103	99	105

Surrogate

DCED4 = 1,2-Dichloroethane-d4
 TOL = Toluene-d8
 BFB = Bromofluorobenzene

Acceptance Limits

(76%-127%)
 (77%-121%)
 (74%-123%)

* Recovery outside Acceptance Limits
 # Column to be used to flag recovery values
 D Sample Diluted

General Chem Analysis

Case Narrative

**General Chemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL738789
Work Order #: 738789**

Product: Carbon, Total Organic

Analytical Method: SW846 9060A

Analytical Procedure: GL-GC-E-093 REV# 22

Analytical Batch: 2848908

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206205806	Method Blank (MB)
1206205807	Laboratory Control Sample (LCS)
1206205808	738560001(B4P8D8) Sample Duplicate (DUP)
1206205809	738560001(B4P8D8) Matrix Spike (MS)

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.

Technical Information

Sample Dilutions

The following samples 1206205808 (B4P8D8DUP), 1206205809 (B4P8D8MS) and 738789001 (B4MMR8) were diluted because target analyte concentrations exceeded the calibration range. 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	738789
	001
Total Inorganic Carbon #1	10X
Total Inorganic Carbon #2	10X
Total Inorganic Carbon #3	10X
Total Inorganic Carbon #4	10X
Total Inorganic Carbon Average	10X

Product: Cyanide, Free

Analytical Method: D4282_FREE_CYANIDE

Analytical Procedure: GL-GC-E-073 REV# 11

Analytical Batch: 2849273

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206206538	Method Blank (MB)
1206206539	Laboratory Control Sample (LCS)
1206206540	737810005(NonSDG) Sample Duplicate (DUP)
1206206541	738560005(B4P8H2) Sample Duplicate (DUP)

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

Total CN levels above the MDL for Free CN were detected in samples . Free CN was performed per SOP (GL-GC-E-073).

Product: Cyanide, Total**Analytical Method:** 9012_CYANIDE**Analytical Procedure:** GL-GC-E-112 REV# 3**Analytical Batch:** 2849443**Preparation Method:** 9012_CYANIDE**Preparation Procedure:** GL-GC-E-067 REV# 26**Preparation Batch:** 2849441

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206206887	Method Blank (MB)
1206206888	Laboratory Control Sample (LCS)
1206206895	738792001(NonSDG) Sample Duplicate (DUP)
1206206896	738792001(NonSDG) Matrix Spike (MS)

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**Manual Integrations**

Sample 1206206888 (LCS) was manually integrated to correctly position the baseline as set in the calibration standards.

Product: Solids, Total Dissolved**Analytical Method:** 2540C_TDS**Analytical Procedure:** GL-GC-E-001 REV# 22**Analytical Batch:** 2851523

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206210902	Method Blank (MB)
1206210903	Laboratory Control Sample (LCS)
1206210904	738560001(B4P8D8) Sample Duplicate (DUP)

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.

Quality Control (QC) Information**Method Blank (MB) Statement**

The MB analyzed with this SDG met the acceptance criteria per GEL's reporting limits. Client requested limits are less than GEL's limits and since they are less than levels we can detect, the data will be qualified.

Sample	Analyte	Value
1206210902 (MB)	Total Dissolved Solids	4 between (2.38 - 10)

Product: Sulfide, Total**Analytical Method:** 4500D_SULFIDE**Analytical Procedure:** GL-GC-E-052 REV# 14**Analytical Batch:** 2849417

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206206835	738560001(B4P8D8) Matrix Spike (MS)
1206206837	738560001(B4P8D8) Matrix Spike Duplicate (MSD)
1206206838	Method Blank (MB)
1206206839	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: Alkalinity**Analytical Method:** 2320B_ALKALINITY**Analytical Procedure:** GL-GC-E-033 REV# 17**Analytical Batch:** 2853260

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206214218	Laboratory Control Sample (LCS)
1206214219	Laboratory Control Sample (LCS)
1206214220	Laboratory Control Sample Duplicate (LCSD)
1206214221	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.

Quality Control (QC) Information**Laboratory Control Sample Duplicate (LCSD)**

An LCSD was used in place of matrix QC 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.

GEL LABORATORIES LLC

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**Qualifier Definition Report
for**

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL738789 GEL Work Order: 738789

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).
- C Target analyte was detected in the sample and the associated blank. The associated blank concentration is \geq 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.
- 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: Jennifer Dunagan Jones****Date: 11 SEP 2025****Title: Analyst III Team Leader**

Sample Data Summary

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 11, 2025

Company : Central Plateau Cleanup Company
 Address : 200 East / MO-277 / 108
 PO Box 1600
 Richland, Washington 99352
 Contact: Ms. Heather Medley
 Project: SAF T25

Client Sample ID: B4MMR8 Project: CPRCOT25Q
 Sample ID: 738789001 Client ID: CPRC003
 Matrix: WATER
 Collect Date: 14-AUG-25 10:43
 Receive Date: 16-AUG-25
 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
9060_TOC/TIC: COMMON "As Received"												
Total Organic Carbon #1		1660	330	1000	ug/L		1	KB3	08/18/25	1932	2848908	1
Total Organic Carbon #2		1770	330	1000	ug/L		1					
Total Organic Carbon #3		1710	330	1000	ug/L		1					
Total Organic Carbon #4		1760	330	1000	ug/L		1					
Total Organic Carbon Average		1720	330	1000	ug/L		1					
Total Inorganic Carbon #1	D	28900	3300	10000	ug/L		10	KB3	08/19/25	1623	2848908	2
Total Inorganic Carbon #2	D	26700	3300	10000	ug/L		10					
Total Inorganic Carbon #3	D	28000	3300	10000	ug/L		10					
Total Inorganic Carbon #4	D	26700	3300	10000	ug/L		10					
Total Inorganic Carbon Average	D	27600	3300	10000	ug/L		10					
Flow Injection Analysis												
9012_CYANIDE (TOTAL): COMMON "As Received"												
Cyanide, Total	U	1.67	1.67	5.00	ug/L	1.00	1	KLP1	08/21/25	1630	2849443	3
9014_CN (FREE): COMMON "As Received"												
Free Cyanide	U	1.00	1.00	2.00	ug/L		1	KLP1	08/25/25	1715	2849273	4
Solids Analysis												
2540C_TDS: COMMON "As Received"												
Total Dissolved Solids	C	3000000	2380	10000	ug/L			SC1	08/21/25	1857	2851523	5
Spectrometric Analysis												
4500_Sulfide: COMMON "As Received"												
Total Sulfide	U	33.0	33.0	500	ug/L		1	BR2	08/19/25	1055	2849417	6
Titration and Ion Analysis												
2320_ALKALINITY: COMMON (Alkalinity only) "As Received"												
Alkalinity, Total as CaCO3		291000	725	2000	ug/L			IS2	08/26/25	1634	2853260	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010C Distillation	SW846 9010C Prep	CH9	08/20/25	1706	2849441

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 11, 2025

Company : Central Plateau Cleanup Company
 Address : 200 East / MO-277 / 108
 PO Box 1600
 Richland, Washington 99352
 Contact: Ms. Heather Medley
 Project: SAF T25

Client Sample ID: B4MMR8 Project: CPRCOT25Q
 Sample ID: 738789001 Client ID: CPRC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
The following Analytical Methods were performed:											
Method	Description										Analyst Comments
1	SW846 9060A										
2	SW846 9060A										
3	9012_CYANIDE										
4	D4282_FREE_CYANIDE										
5	2540C_TDS										
6	4500D_SULFIDE										
7	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: September 11, 2025

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Central Plateau Cleanup Company

200 East / MO-277 / 108

PO Box 1600

Richland, Washington

Contact: Ms. Heather Medley

Workorder: 738789

Paramname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Carbon Analysis											
Batch	2848908										
QC1206205808 738560001 DUP											
Total Inorganic Carbon #1	D	26100	D	24600	ug/L	6.11	^	(+/-10000)	KB3	08/19/25	13:47
Total Inorganic Carbon #2	D	23600	D	22800	ug/L	3.66	^	(+/-10000)			
Total Inorganic Carbon #3	D	24900	D	24000	ug/L	3.64	^	(+/-10000)			
Total Inorganic Carbon #4	D	23800	D	22800	ug/L	4.08	^	(+/-10000)			
Total Inorganic Carbon Average	D	24600	D	23500	ug/L	4.45	^	(+/-10000)			
Total Organic Carbon #1		1580		1590	ug/L	0.693	^	(+/-1000)		08/18/25	16:55
Total Organic Carbon #2		1700		1710	ug/L	0.764	^	(+/-1000)			
Total Organic Carbon #3		1670		1650	ug/L	0.783	^	(+/-1000)			
Total Organic Carbon #4		1730		1720	ug/L	0.522	^	(+/-1000)			
Total Organic Carbon Average		1670		1670	ug/L	0	^	(+/-1000)			
QC1206205807 LCS											
Total Carbon Average	20000			20200	ug/L			101 (80%-120%)		08/18/25	16:12
Total Inorganic Carbon Average	10000			10300	ug/L			103 (80%-120%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Carbon Analysis											
Batch	2848908										
Total Organic Carbon Average	10000			9940	ug/L		99.4	(80%-120%)	KB3	08/18/25	16:12
QC1206205806 MB											
Total Carbon Average			U	330	ug/L					08/18/25	16:04
Total Inorganic Carbon Average			U	330	ug/L						
Total Organic Carbon Average			U	330	ug/L						
QC1206205809 738560001 MS											
Total Inorganic Carbon #1	100000	D	26100	D	122000	ug/L	96	(75%-125%)		08/19/25	14:18
Total Inorganic Carbon #2	100000	D	23600	D	112000	ug/L	88.5	(75%-125%)			
Total Inorganic Carbon #3	100000	D	24900	D	118000	ug/L	92.7	(75%-125%)			
Total Inorganic Carbon #4	100000	D	23800	D	113000	ug/L	89.6	(75%-125%)			
Total Inorganic Carbon Average	100000	D	24600	D	116000	ug/L	91.7	(75%-125%)			
Total Organic Carbon #1			1580		11200	ug/L		(75%-125%)		08/18/25	17:26
Total Organic Carbon #2			1700		11700	ug/L		(75%-125%)			
Total Organic Carbon #3			1670		11400	ug/L		(75%-125%)			
Total Organic Carbon #4			1730		11800	ug/L		(75%-125%)			

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Carbon Analysis											
Batch	2848908										
Total Organic Carbon Average		1670		11500	ug/L			(75%-125%)	KB3	08/18/25	17:26
Flow Injection Analysis											
Batch	2849273										
QC1206206540	737810005	DUP									
Free Cyanide	B	1.49	B	1.19	ug/L	23	^	(+/-2.00)	KLP1	08/25/25	17:15
QC1206206541	738560005	DUP									
Free Cyanide	U	1.00	B	1.19	ug/L	217	^	(+/-2.00)		08/25/25	17:15
QC1206206539	LCS										
Free Cyanide		25.0		24.6	ug/L			98.6 (80%-120%)		08/25/25	17:15
QC1206206538	MB										
Free Cyanide			U	1.00	ug/L					08/25/25	17:15
Batch	2849443										
QC1206206895	738792001	DUP									
Cyanide, Total	U	1.67	U	1.67	ug/L	N/A			KLP1	08/21/25	16:32
QC1206206888	LCS										
Cyanide, Total		50.0		52.5	ug/L			105 (80%-120%)		08/21/25	16:03
QC1206206887	MB										
Cyanide, Total			U	1.67	ug/L					08/21/25	16:02
QC1206206896	738792001	MS									
Cyanide, Total	100 U	1.67		91.3	ug/L			90.8 (75%-125%)		08/21/25	16:33

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Solids Analysis											
Batch 2851523											
QC1206210904	738560001	DUP									
Total Dissolved Solids	C	2300000	C	2310000	ug/L	0.26		(0%-20%)	SC1	08/21/25	18:57
QC1206210903	LCS										
Total Dissolved Solids		300000	C	300000	ug/L		100	(80%-120%)		08/21/25	18:57
QC1206210902	MB										
Total Dissolved Solids			B	4000	ug/L					08/21/25	18:57
Spectrometric Analysis											
Batch 2849417											
QC1206206839	LCS										
Total Sulfide		400		394	ug/L		98.6	(80%-120%)	BR2	08/19/25	10:55
QC1206206838	MB										
Total Sulfide			U	33.0	ug/L					08/19/25	10:54
QC1206206835	738560001	MS									
Total Sulfide		400	U	33.0	ug/L		94.4	(75%-125%)		08/19/25	10:55
QC1206206837	738560001	MSD									
Total Sulfide		400	U	33.0	ug/L	0.263	94.6	(0%-20%)		08/19/25	10:55
Titration and Ion Analysis											
Batch 2853260											
QC1206214218	LCS										
Alkalinity, Total as CaCO3		15000		14400	ug/L		96	(80%-120%)	IS2	08/26/25	16:05
QC1206214219	LCS										
Alkalinity, Total as CaCO3		50000		52800	ug/L		106	(80%-120%)		08/26/25	16:07
QC1206214220	LCSD										
Alkalinity, Total as CaCO3		15000		13600	ug/L	5.71	90.7	(0%-20%)		08/26/25	16:06

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QC Summary

Workorder: 738789

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Titration and Ion Analysis											
Batch	2853260										
QC1206214221	LCSD										
Alkalinity, Total as CaCO3	50000			53100	ug/L	0.567	106	(0%-20%)	IS2	08/26/25	16:08

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.
- > 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 \geq 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 #: GEL738789
Work Order #: 738789**

Product: SMR_UISO_AEA
Analytical Method: UISO_AEA
Analytical Procedure: GL-RAD-A-011 REV# 30
Analytical Batch: 2860424

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206228257	Method Blank (MB)
1206228258	738789001(B4MMR8) Sample Duplicate (DUP)
1206228259	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.

Quality Control (QC) Information

Method Blank Criteria

The blank (See Below) activity is greater than the MDC but is less than five percent of the lowest activity in the batch.

Sample	Analyte	Value
1206228257 (MB)	Uranium-238	Result: 12.8 pCi/L > MDA: 9.58 pCi/L > RDL: 1.00 pCi/L

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1206228257 (MB)	Uranium-233/234	Result 7.33 < MDA 36.8 > RDL 1 pCi/L
	Uranium-235/236	Result -2.82 < MDA 26.2 > RDL 1 pCi/L

Technical Information

Sample Re-prep/Re-analysis

Sample 738789001 (B4MMR8) was re-prepped three times due to a low tracer yield. The fourth analysis is being reported.

Product: SMR_I129LOWLEVEL_RAD**Analytical Method:** DOE EML HASL-300,I-01 Modified**Analytical Procedure:** GL-RAD-A-006 REV# 24**Analytical Batch:** 2844064

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206196683	Method Blank (MB)
1206196684	737169001(NonSDG) Sample Duplicate (DUP)
1206196685	737169001(NonSDG) Matrix Spike (MS)
1206196686	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:** 2848725

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206205327	Method Blank (MB)
1206205328	738777003(NonSDG) Sample Duplicate (DUP)
1206205329	738777003(NonSDG) Matrix Spike (MS)
1206205330	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**

The matrix spike, 1206205329 (Non SDG 738777003MS), aliquot was reduced to conserve sample volume.

Product: SMR_C14_LSC**Analytical Method:** C14_LSC**Analytical Procedure:** GL-RAD-A-003 REV# 18**Analytical Batch:** 2850386

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206208787	Method Blank (MB)
1206208788	739103001(NonSDG) Sample Duplicate (DUP)
1206208789	739103001(NonSDG) Matrix Spike (MS)
1206208790	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.

Technical Information**Recounts**

Sample 1206208790 (LCS) was recounted due to low recovery. The recount is reported.

Miscellaneous Information**Additional Comments**

The matrix spike, 1206208789 (Non SDG 739103001MS), aliquot was reduced to conserve sample volume.

Product: SMR_TC99_LSC**Analytical Method:** TC99_LSC**Analytical Procedure:** GL-RAD-A-059 REV# 5**Analytical Batch:** 2853737

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
738789001	B4MMR8
1206215104	Method Blank (MB)
1206215105	738789001(B4MMR8) Sample Duplicate (DUP)
1206215106	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.

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: GEL738789 GEL Work Order: 738789

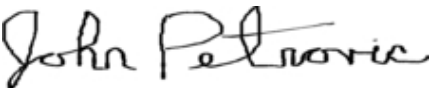
The Qualifiers in this report are defined as follows:

- B The analyte was detected in the associated method blank \geq MDC or $>5\%$ sample activity.
- 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:** 12 SEP 2025**Title:** Data Validator II

Sample Data Summary

Rad
Certificate of Analysis
Sample Summary

SDG Number: GEL738789	Client: CPRC003	Project: CPRC0T25Q
Lab Sample ID: 738789001	Date Collected: 08/14/2025 10:43	Matrix: WATER
	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Method: UIISO_AEA	Prep Basis: "As Received"
Batch ID: 2860424	Analyst: BS3	SOP Ref: GL-RAD-A-011
Run Date: 09/09/2025 18:46	Aliquot: 0.00049 L	Instrument: 1149
Data File: S0738789001_UU.4A.gcnf	Prep Method: DOE EML HASL-300, U-02-R	Count Time: 713.9215 min
Prep Batch: 2860424		
Prep Date: 09/09/2025 12:19		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
U-233/234 <small>13968-55-3/13966-29-5</small>	Uranium-233/234		23800	pCi/L	+/-749	2640	48.4	1.00
U-235/236 <small>15117-96-1/13982-70-2</small>	Uranium-235/236		1500	pCi/L	+/-210	264	50.2	1.00
7440-61-1	Uranium-238		25000	pCi/L	+/-767	2760	18.4	1.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Uranium-232 Tracer	2160	3960	pCi/L	54.5	(30%-105%)

Comments:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).
The MDC is a sample specific MDC.

Rad
Certificate of Analysis
Sample Summary

SDG Number: GEL738789	Client: CPRC003	Project: CPRC0T25Q
Lab Sample ID: 738789001	Date Collected: 08/14/2025 10:43	Matrix: WATER
	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Method: DOE EML HASL-300,I-01 Mo	Prep Basis: "As Received"
Batch ID: 2844064	Analyst: SF1	SOP Ref: GL-RAD-A-006
Run Date: 08/29/2025 09:17	Aliquot: 1.2218 L	Instrument: GAM47
Data File: I738789001.CNF;2	Prep Method: DOE EML HASL-300,I-01 M	Count Time: 1000 min
Prep Batch: 2844064		
Prep Date: 08/28/2025 13:39		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
15046-84-1	Iodine-129		8.59	pCi/L	+/-1.26	1.55	1.11	1.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
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Comments:

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: GEL738789	Client: CPRC003	Project: CPRC0T25Q
Lab Sample ID: 738789001	Date Collected: 08/14/2025 10:43	Matrix: WATER
	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Method: TRITIUM_LSC	Prep Basis: "As Received"
Batch ID: 2848725	Analyst: IT1	SOP Ref: GL-RAD-A-002
Run Date: 08/23/2025 13:14	Aliquot: 50 mL	Instrument: LSCJADE
Data File: T2848725.xls	Prep Method: EPA 906.0 Modified	Count Time: 20 min
Prep Batch: 2848725		
Prep Date: 08/18/2025 11:27		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
10028-17-8	Tritium		13600	pCi/L	+/-717	2720	206	400

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
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Comments:

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: GEL738789	Client: CPRC003	Project: CPRC0T25Q
Lab Sample ID: 738789001	Date Collected: 08/14/2025 10:43	Matrix: WATER
	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Method: C14_LSC	Prep Basis: "As Received"
Batch ID: 2850386	Analyst: MG7	SOP Ref: GL-RAD-A-003
Run Date: 08/22/2025 23:15	Aliquot: 100.04 mL	Instrument: LSCMOCHA
Data File: C2850386.xls	Prep Method: EPA EERF C-01 Modified	Count Time: 15 min
Prep Batch: 2850386		
Prep Date: 08/21/2025 10:56		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14762-75-5	Carbon-14		962	pCi/L	+/-46.7	185	33.4	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits

Comments:

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: GEL738789	Client: CPRC003	Project: CPRC0T25Q
Lab Sample ID: 738789001	Date Collected: 08/14/2025 10:43	Matrix: WATER
	Date Received: 08/16/2025 09:30	
Client ID: B4MMR8	Method: TC99_LSC	Prep Basis: "As Received"
Batch ID: 2853737	Analyst: GS3	SOP Ref: GL-RAD-A-059
Run Date: 09/02/2025 14:11	Aliquot: 100.62 mL	Instrument: LSCONYX
Data File: E2853737.xls	Prep Method: DOE EML HASL-300, Tc-02-	Count Time: 14.6 min
Prep Batch: 2853737		
Prep Date: 08/27/2025 14:33		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14133-76-7	Technetium-99		80900	pCi/L	+/-397	9190	24.2	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Technetium-99m Tracer	8.00E+05	8.40E+05	CPM	95.3	(30%-105%)

Comments:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).
The MDC is a sample specific MDC.

Quality Control Data

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QC Summary

Report Date: September 12, 2025

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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: 738789

Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date Time
Rad Alpha Spec									
Batch	2860424								
QC1206228257 MB									
Uranium-233/234			U	7.33	pCi/L			BS3	09/09/2518:46
	Uncert:			+/-20.3					
	TPU:			+/-20.4					
Uranium-235/236			U	-2.82	pCi/L				
	Uncert:			+/-11.0					
	TPU:			+/-11.0					
Uranium-238			B	12.8	pCi/L				
	Uncert:			+/-14.7					
	TPU:			+/-14.7					
**Uranium-232 Tracer	3960			4130	pCi/L	REC: 104	(30%-105%)		
	Uncert:			+/-222					
	TPU:			+/-424					
QC1206228258 738789001 DUP									
Uranium-233/234		23800		23300	pCi/L				09/09/2518:46
	Uncert:	+/-749		+/-758		RPD: 2	(0%-20%)		
	TPU:	+/-2640		+/-2610		RER: 0.283	(0-2)		
Uranium-235/236		1500		1650	pCi/L				
	Uncert:	+/-210		+/-225		RPD: 10	(0%-20%)		
	TPU:	+/-264		+/-287		RER: 0.781	(0-2)		
Uranium-238		25000		23800	pCi/L				
	Uncert:	+/-767		+/-766		RPD: 5	(0%-20%)		
	TPU:	+/-2760		+/-2660		RER: 0.613	(0-2)		
**Uranium-232 Tracer	3960	2160		2060	pCi/L	REC: 52	(30%-105%)		
	Uncert:	+/-308		+/-314					
	TPU:	+/-521		+/-528					
QC1206228259 LCS									
Uranium-233/234				5250	pCi/L				09/09/2518:47
	Uncert:			+/-260					
	TPU:			+/-550					
Uranium-235/236				310	pCi/L				
	Uncert:			+/-71.3					
	TPU:			+/-76.8					
Uranium-238	5500			5490	pCi/L	REC: 99.9	(80%-120%)		
	Uncert:			+/-265					
	TPU:			+/-571					
**Uranium-232 Tracer	3960			3950	pCi/L	REC: 100	(30%-105%)		
	Uncert:			+/-226					
	TPU:			+/-428					
Rad Gamma Spec									
Batch	2844064								
QC1206196683 MB									
Iodine-129			U	-0.107	pCi/L			SF1	08/29/2511:49
	Uncert:			+/-0.249					

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QC Summary

Workorder: 738789

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Parname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date	Time
Rad Gamma Spec										
Batch	2844064									
		TPU:		+/-0.254						
QC1206196684	737169001	DUP								
Iodine-129		0.489		0.649	pCi/L				08/29/2512:51	
		Uncert:	+/-0.257	+/-0.464		RPD: 28	(0% - 100%)			
		TPU:	+/-0.261	+/-0.468		RER: 0.586	(0-2)			
QC1206196685	737169001	MS								
Iodine-129		39.3	0.489	42.0	pCi/L	REC: 105	(75%-125%)		08/29/2512:52	
		Uncert:	+/-0.257	+/-2.79						
		TPU:	+/-0.261	+/-5.04						
QC1206196686	LCS									
Iodine-129		36.7		34.2	pCi/L	REC: 93.3	(80%-120%)		08/29/2512:52	
		Uncert:		+/-2.98						
		TPU:		+/-4.55						
Rad Liquid Scintillation										
Batch	2848725									
QC1206205327	MB									
Tritium			U	-28.0	pCi/L			IT1	08/23/2514:19	
		Uncert:		+/-100						
		TPU:		+/-100						
QC1206205328	738777003	DUP								
Tritium		4070		4320	pCi/L				08/23/2514:40	
		Uncert:	+/-401	+/-414		RPD: 6	(0%-20%)			
		TPU:	+/-882	+/-933		RER: 0.392	(0-2)			
QC1206205329	738777003	MS								
Tritium		9670	4070	13500	pCi/L	REC: 98	(75%-125%)		08/23/2515:02	
		Uncert:	+/-401	+/-1020						
		TPU:	+/-882	+/-2810						
QC1206205330	LCS									
Tritium		4830		4540	pCi/L	REC: 94	(80%-120%)		08/23/2515:24	
		Uncert:		+/-423						
		TPU:		+/-975						
Batch	2850386									
QC1206208787	MB									
Carbon-14			U	-5.17	pCi/L			MG7	08/23/2507:20	
		Uncert:		+/-18.7						
		TPU:		+/-18.7						
QC1206208788	739103001	DUP								
Carbon-14		U	1.15	U	0.328	pCi/L			08/23/2507:36	
		Uncert:	+/-19.1	+/-19.1		RPD: 0	N/A			
		TPU:	+/-19.1	+/-19.1		RER: 0.0593	(0-2)			
QC1206208789	739103001	MS								
Carbon-14		7410	U	1.15	7490	pCi/L	REC: 101	(75%-125%)	08/23/2507:52	
		Uncert:	+/-19.1	+/-420						
		TPU:	+/-19.1	+/-1450						
QC1206208790	LCS									
Carbon-14		739		665	pCi/L	REC: 90	(80%-120%)		08/26/2511:39	
		Uncert:		+/-35.2						
		TPU:		+/-128						
Batch	2853737									

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Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date	Time
Rad Liquid Scintillation										
Batch	2853737									
QC1206215104	MB									
Technetium-99			U	-2.56	pCi/L			GS3	09/02/2514:27	
				Uncert: +/-13.2						
				TPU: +/-13.2						
**Technetium-99m Tracer	8.40E+05			7.95E+05	CPM	REC: 95 (30%-105%)				
QC1206215105	738789001	DUP								
Technetium-99		80900		72500	pCi/L				09/02/2514:43	
				Uncert: +/-397		RPD: 11 (0%-20%)				
				TPU: +/-9190		RER: 1.33 (0-2)				
**Technetium-99m Tracer	8.40E+05	8.00E+05		7.84E+05	CPM	REC: 93 (30%-105%)				
QC1206215106	LCS									
Technetium-99		617		541	pCi/L	REC: 87.6 (80%-120%)			09/02/2515:00	
				Uncert: +/-34.5						
				TPU: +/-70.5						
**Technetium-99m Tracer	8.40E+05			7.87E+05	CPM	REC: 94 (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.
- 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
- P Aroclor target analyte with greater than 25% difference between column analyses.
- C Analyte has been confirmed by GC/MS analysis
- B The analyte was detected in both the associated QC blank and in the sample.
- E Concentration exceeds the calibration range of the instrument
- A The TIC is a suspected aldol-condensation product
- 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.
- O Analyte failed to recover within LCS limits (Organics only)
- T Spike and/or spike duplicate sample recovery is outside control limits.
- 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
- 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
- O Analyte failed to recover within LCS limits
- H Laboratory holding time exceeded before the sample was analyzed.

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Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date	Time
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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 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.

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.