



a member of The GEL Group INC



2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

September 25, 2025

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

Re: SAF S25-008
Work Order: 740786
SDG: GEL740786

Dear Ms. Medley:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 30, 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: 901852 - 7H
Chain of Custody: S25-008-119, S25-008-120, S25-008-124, S25-008-165 and S25-008-174
Enclosures

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Sample Issue Resolution

SAMPLE ISSUE RESOLUTION (SIR) REPORT

NOTE: Complete form in accordance with [SGRP-PRO-SMP-50015](#), *Sample Management and Reporting Sample Issued Resolution and Problem and Discrepancy Process*

SIR Number: SIR25-0490

Rev. Number: 0

Date Initiated: 09/22/2025

Sample Event Information

SAF Number(s): S25-008

Laboratory: GEL

Sampling Information

Number of Samples: 1

Sample Number(s): B4N2W8

Sample Matrix: WATER

SDG Number(s): GEL740786

Issue Background

Class: Laboratory Issue

Type: Quality Control Failure

Description: The analyst ran samples that included 2 different SDGs. When they ran these samples, the analyst failed to realize that one of the samples (740786007/B4N2W80, SDG GEL740786) was looking for 2 analytes which was drifting low for that day (Iodomethane; -21.13% and Acetonitrile; -21.28%). The sample did not have hits of these analytes.

Resolution

Proposed Resolution: The sample is now out of hold. Do you want the analyst to report the in-hold data and narrate?

Final Resolution: Please proceed with reporting the in-hold results and narrate.

Submitted By:

SHAFFER, H

09/22/2025

*Print First and Last Name**Date*

Accepted By:

FINLEY, EA

09/22/2025

*Print First and Last Name**Date*

Case Narrative

**General Narrative
for
Central Plateau Cleanup Company (89223)
SAF S25-008
SDG: GEL740786**

September 25, 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 30, 2025, for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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

Sample Identification

The laboratory received the following samples:

Laboratory Identification	Sample Description
740786001	B4N200
740786002	B4N206
740786003	B4N201
740786004	B4N207
740786005	B4N313
740786006	B4N301
740786007	B4N2W8

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

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

We certify that this package is in compliance with the Analytical Laboratory Services for Central Plateau Cleanup Company Statement of Work, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this data package deliverable has been authorized by the Laboratory Analytical Manager (or designee) and the laboratory's client services representative as verified by their signatures on this report.



Heather Shaffer
Project Manager

**Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL740786
Work Order #: 740786**

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.

Calibration Information

Continuing Calibration Verification Requirements

Two target analytes were drifting low the day of analysis; Iodomethane (-21.13%) and Acetonitrile (-21.28%). The only sample impacted was sample 740786007 (B4N2W8), which did not have hits of the analytes. The client was notified and requested the in-hold data be reported and narrated.

Quality Control (QC) Information

Blank (MB) Statement

Target analytes were detected in the blank (See Below) below the reporting limit. The associated data are qualified accordingly and reported.

Sample	Analyte	Value
1206228268 (MB)	Methylene chloride	1.35 between (0.5 - 5)

Metals

Determination of Metals by ICP-MS

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

General Chemistry

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.

Technical Information

Sample Dilutions

The following sample 740786006 (B4N301) was diluted because target analyte concentrations exceeded the calibration range.

Analyte	740786
	006
Cyanide, Total	10X

Radiochemistry**SMR_I129LOWLEVEL_RAD**

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

SMR_SR_RAD_GPC

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_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.

Miscellaneous Information**Additional Comments**

The matrix spike, 1206219833 (B4N200MS), aliquot was reduced to conserve 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.

Chain of Custody and Supporting Documentation

Central Plateau Cleanup Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

740786

C.O.C. # S25-008-119

PAGE 1 OF 1

Collector: Scott Harder / CPCC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S25-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901852
Project Title: SURV, August 2025	Logbook No.: HNF-N-506 -147	Ice Chest No.: GWS-952
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8839442666 41
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1	SPECIAL INSTRUCTIONS N/A
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Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4N200	N	W	AUG 28 2025	0705	4x40-mL aGs*	8260_VOA_GCMS: GW 03	14 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4N200	N	W	AUG 28 2025	0705	1x250-mL G/P	SMR_C14_LSC	6 Months	None
B4N200	N	W	AUG 28 2025	0705	1x500-mL G/P	SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2
B4N206	Y	W	AUG 28 2025	0705	1x500-mL G/P	SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2

Relinquished By			Received By			Matrix * S = Soil DS = Drum Solids SE = Sediment DL = Drum Liquids SO = Solid T = Tissue SL = Sludge WI = Wipe W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
<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>	
Scott Harder / CPCC		AUG 28 2025 / 1008	Kevin Patterson CPCC		AUG 28 2025 / 1008	
Kevin Patterson CPCC		AUG 28 2025 / 1408	FEDEX		08/30/25 930	
FedEx			K. Eriksson Kaitlyn Eriksson			

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

740786

C.O.C. # S25-008-120

PAGE 1 OF 1

Collector: Scott Harder / CPCC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S25-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901852
Project Title: SURV, August 2025	Logbook No.: HNF-N-506 -147	Ice Chest No.: GWS-952
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8839 4426664 1
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

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

SPECIAL INSTRUCTIONS

N/A

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4N201	N	W	AUG 28 2025	0924	4x40-mL aGs*	8260_VOA_GCMS: GW 03	14 Days	HCl or H2SO4 to pH <2 / Cool <=6C
B4N201	N	W	AUG 28 2025	0924	1x250-mL G/P	SMR_C14_LSC	6 Months	None
B4N201	N	W	AUG 28 2025	0924	1x500-mL G/P	SMR_GW6020_CHROMIUM	6 Months	HNO3 to pH <2
B4N207	Y	W	AUG 28 2025	0924	1x500-mL G/P	SMR_GW6020_CHROMIUM	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	DS
Scott Harder / CPCC		AUG 28 2025 / 1008	Kevin Patterson / CPCC		AUG 28 2025 / 1008	SE	DL
Kevin Patterson / CPCC		AUG 28 2025 / 1408	FEDEX		08/20/25 930	SO	T
			K. Eriksson			SL	WI
						W	L
						O	V
						A	X

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

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

740786

C.O.C. # S25-008-124

PAGE 1 OF 1

Collector: Scott Harder / CPCC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S25-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901852
Project Title: SURV, August 2025	Logbook No.: HNF-N-506 -147	Ice Chest No.: 6035-952
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8839 4426 66 41
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1	SPECIAL INSTRUCTIONS N/A
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Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4N313	N	W	AUG 28 2025	1031	1x1-L G/P	SMR_SR_RAD_GPC	6 Months	HNO3 to pH <2

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
Scott Harder / CPCC	<i>[Signature]</i>	AUG 28 2025 /1320	Janelle Zunker	<i>[Signature]</i>	AUG 28 2025 /1320	SE = Sediment	DL = Drum Liquids
Janelle Zunker	<i>[Signature]</i>	AUG 28 2025 /1400	K. Eriksson	<i>[Signature]</i>	08/30/25 930	SO = Solid	T = Tissue
						SL = Sludge	WI = Wipe
						W = Water	L = Liquid
						O = Oil	V = Vegetation
						A = Air	X = Other
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:	Date/Time:	

Central Plateau Cleanup Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # S25-008-165 PAGE 1 OF 1		
Collector: Denny Webb/CPCCo		Contact/Requester: Karen Waters-Husted		Telephone No.: 509-376-4650				
SAF No.: S25-008		Sampling Origin: Hanford Site		Purchase Order/Charge Code: 901852				
Project Title: SURV, August 2025		Logbook No.: HNF-N-506 <i>149-31</i>		Ice Chest No.: <i>GWS-952</i>				
Shipped To (Lab): GEL Laboratories, LLC		Method of Shipment: Commercial Carrier		Bill of Lading/Air Bill No.: <i>8839 4426 660 41</i>				
Protocol: SURV		Priority: 30 Days		Offsite Property No.: N/A				
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1				SPECIAL INSTRUCTIONS N/A				
Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4N301	N	W	AUG 28 2025	1149	1x250-mL aG	9012_CYANIDE (TOTAL): COMMON	14 Days	NaOH to pH >=12 / Cool <=6C
B4N301	N		AUG 28 2025	1149	1x4-L G/P	SMR_I129LOWLEVEL_RAD	6 Months	None

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
Denny Webb/CPCCo	<i>[Signature]</i>	AUG 28 2025 1217	Kevin Patterson CPCC	<i>[Signature]</i>	AUG 28 2025 1217	SE = Sediment	DL = Drum Liquids
Kevin Patterson CPCC	<i>[Signature]</i>	AUG 28 2025 1450	FEDEX			SO = Solid	T = Tissue
FedEx			K. Eriksson	<i>[Signature]</i>	08/30/25 930	SL = Sludge	WI = Wipe
				<small>Kaitlyn Eriksson</small>		W = Water	L = Liquid
						O = Oil	V = Vegetation
						A = Air	X = Other
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:	Date/Time:	

Central Plateau Cleanup Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

740786

C.O.C. # S25-008-174

PAGE 1 OF 1

Collector: Anthony Noggles / CPCC	Contact/Requester: Karen Waters-Husted	Telephone No.: 509-376-4650
SAF No.: S25-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 901852
Project Title: SURV, August 2025	Logbook No.: HNF-N-506 151	Ice Chest No.: GWS-952
Shipped To (Lab): GEL Laboratories, LLC	Method of Shipment: Commercial Carrier	Bill of Lading/Air Bill No.: 8839 4426 1064
Protocol: SURV	Priority: 30 Days	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1	SPECIAL INSTRUCTIONS N/A
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Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4N2W8	N	W	AUG 28 2025	1025	4x40-mL aGs*	8260_VOA_GCMS_IX: COMMON REV 1	14 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
Anthony Noggles / CPCC		AUG 28 2025 1045	Kevin Patterson CPCC		AUG 28 2025 1045	SE = Sediment	DL = Drum Liquids
Kevin Patterson CPCC		AUG 28 2025 1400	FEDEX			SO = Solid	T = Tissue
FedEx			K. Eriksson		08/30/25 930	SL = Sludge	WI = Wipe
				Kaitlyn Eriksson		W = Water	L = Liquid
						O = Oil	V = Vegetation
						A = Air	X = Other
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process):				Disposed By:	Date/Time:	



SAMPLE RECEIPT & REVIEW FORM

Client: CPRC SDG/AR/COC/Work Order: 740786 GEL PMI: HS
 Received By: KE Date Received at GEL: 08/30/25

Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services Courier Client Other: _____
 IR Temp gun # IR1-25 Daily Calibration Performed Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
<u>8839 4426 6641</u>	<u>0</u>				
<u>8839 7300 9543</u>	<u>0</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? Yes No Hazard Class Shipped: _____ UN#: _____
 If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___

B) Did the client designate the samples to be received as radioactive? Yes No COC notation or radioactive stickers on containers equal client designation.

C) Did the RSO classify the samples as radioactive? Yes No Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM/mR/Hr
 Classified as Rad 1 Rad 2 Rad 3

D) Are there any sample hazards to document? Yes No If yes, select Hazards below.
 PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: _____

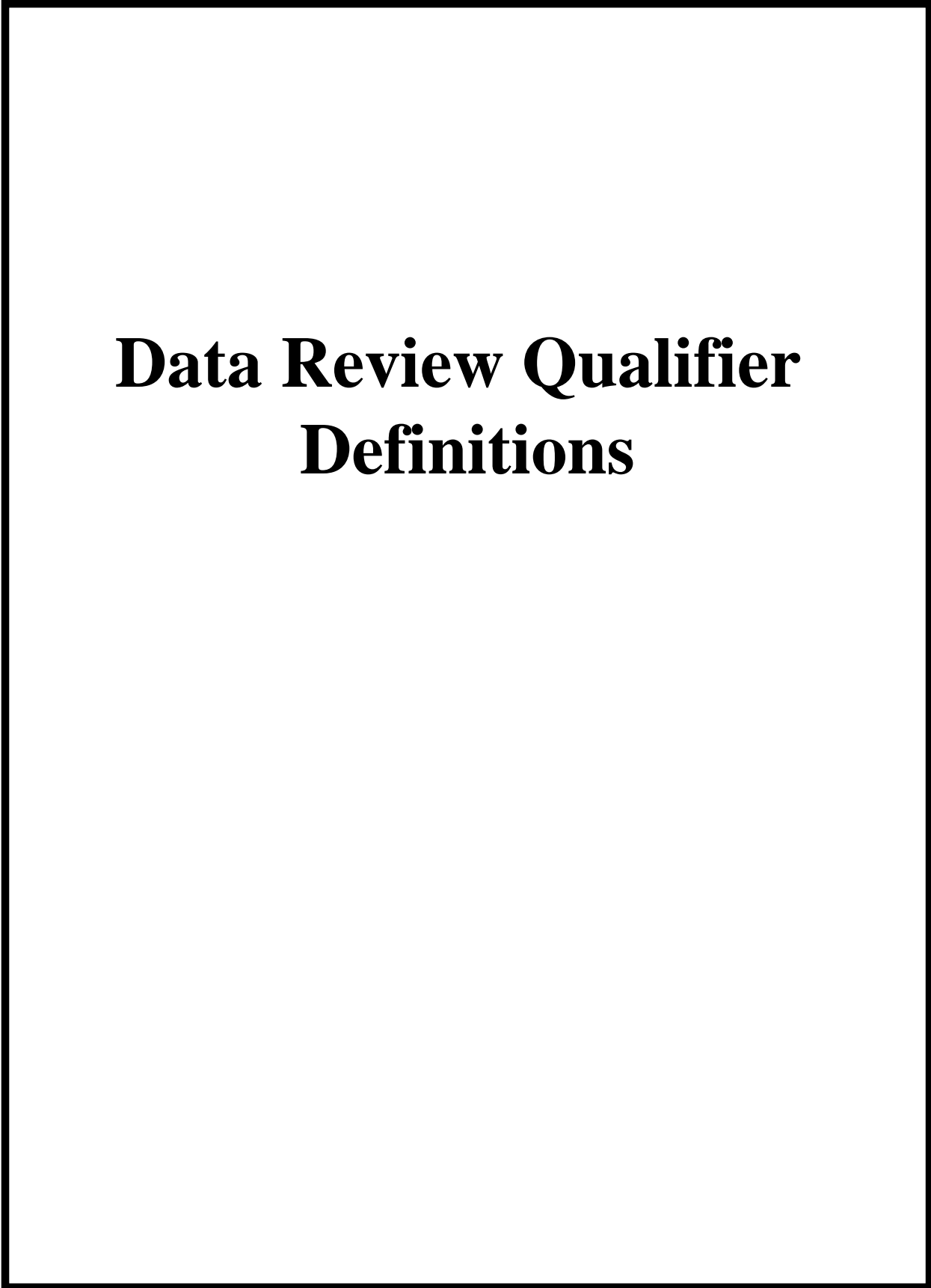
E) Was a SDS received and reviewed by Lab Safety? Yes No Circle Applicable: See additional Comments below. No additional comments needed after review.

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

Comments:

PM (or PMA) review: Initials WMA Date 9/2/25

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 25 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 #: GEL740786
Work Order #: 740786**

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

Analytical Method: SW846 8260D

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

Analytical Batch: 2860433

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786001	B4N200
740786003	B4N201
740786007	B4N2W8
1206228267	Laboratory Control Sample (LCS)
1206228268	Method Blank (MB)
1206228269	740786001(B4N200) Matrix Spike (MS)
1206228270	740786001(B4N200) Matrix Spike Duplicate (MSD)
1206228271	Laboratory Control Sample (LCS)
1206228272	740786001(B4N200) Matrix Spike (MS)
1206228273	740786001(B4N200) Matrix Spike Duplicate (MSD)

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

Data Summary:

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

Calibration Information

Continuing Calibration Verification Requirements

Two target analytes were drifting low the day of analysis; Iodomethane (-21.13%) and Acetonitrile (-21.28%). The only sample impacted was sample 740786007 (B4N2W8), which did not have hits of the analytes. The client was notified and requested the in-hold data be reported and narrated.

Quality Control (QC) Information

Blank (MB) Statement

Target analytes were detected in the blank (See Below) below the reporting limit. The associated data are qualified accordingly and reported.

Sample	Analyte	Value
1206228268 (MB)	Methylene chloride	1.35 between (0.5 - 5)

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: GEL740786 GEL Work Order: 740786

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: 24 SEP 2025

Title: Data Validator

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number: GEL740786	Date Collected: 08/28/2025 07:05	Matrix: WATER
Lab Sample ID: 740786001	Date Received: 08/30/2025 09:30	
Client ID: B4N200	Client: CPRC003	Project: CPRC0S25008Q
Batch ID: 2860433	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 09/09/2025 13:55	Inst: VOA3.I	Dilution: 1
Prep Date: 09/09/2025 13:55	Analyst: CM6	Purge Vol: 5 mL
Data File: 090925V3\3J211.D	Column: 60 m x 250 µm x 1.4 µm (U	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
75-09-2	Methylene chloride		25.6	ug/L	0.500	5.00	5.00
67-66-3	Chloroform	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	5.00
79-01-6	Trichloroethylene	U	0.333	ug/L	0.333	1.00	5.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number: GEL740786	Date Collected: 08/28/2025 09:24	Matrix: WATER
Lab Sample ID: 740786003	Date Received: 08/30/2025 09:30	
Client ID: B4N201	Client: CPRC003	Project: CPRC0S25008Q
Batch ID: 2860433	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 09/09/2025 14:23	Inst: VOA3.I	Dilution: 1
Prep Date: 09/09/2025 14:23	Analyst: CM6	Purge Vol: 5 mL
Data File: 090925V3\3J212.D	Column: 60 m x 250 µm x 1.4 µm (U	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
75-09-2	Methylene chloride		7.60	ug/L	0.500	5.00	5.00
67-66-3	Chloroform	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	5.00
79-01-6	Trichloroethylene	J	3.34	ug/L	0.333	1.00	5.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number: GEL740786	Date Collected: 08/28/2025 10:25	Matrix: WATER
Lab Sample ID: 740786007	Date Received: 08/30/2025 09:30	
Client ID: B4N2W8	Client: CPRC003	Project: CPRC0S25008Q
Batch ID: 2860433	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 09/09/2025 14:51	Inst: VOA3.I	Dilution: 1
Prep Date: 09/09/2025 14:51	Analyst: CM6	Purge Vol: 5 mL
Data File: 090925V3\3J213.D	Column: 60 m x 250 µm x 1.4 µm (U	

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	J	5.79	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		7.51	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	J	1.11	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		10.6	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	J	0.410	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	J	0.510	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: GEL740786	Date Collected: 08/28/2025 10:25	Matrix: WATER
Lab Sample ID: 740786007	Date Received: 08/30/2025 09:30	
Client ID: B4N2W8	Client: CPRC003	Project: CPRC0S25008Q
Batch ID: 2860433	Method: SW846 8260D	SOP Ref: GL-OA-E-038
Run Date: 09/09/2025 14:51	Inst: VOA3.I	Dilution: 1
Prep Date: 09/09/2025 14:51	Analyst: CM6	Purge Vol: 5 mL
Data File: 090925V3\3J213.D	Column: 60 m x 250 µm x 1.4 µm (U	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
75-25-2	Bromoform	J	0.470	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

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QC Summary

Report Date: September 24, 2025

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Central Plateau Cleanup Company

200 East / MO-277 / 108

PO Box 1600

Richland, Washington

Contact: Ms. Heather Medley

Workorder: 740786

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
QC1206228267 LCS											
1,1,1,2-Tetrachloroethane	50.0			45.6	ug/L		91	(73%-122%)	CM6	09/09/25	10:16
1,1,1-Trichloroethane	50.0			47.7	ug/L		95	(70%-130%)			
1,1,2,2-Tetrachloroethane	50.0			41.2	ug/L		82	(66%-123%)			
1,1,2-Trichloroethane	50.0			44.2	ug/L		88	(70%-120%)			
1,1-Dichloroethane	50.0			45.5	ug/L		91	(75%-126%)			
1,1-Dichloroethylene	50.0			50.1	ug/L		100	(72%-136%)			
1,2,3-Trichloropropane	50.0			43.9	ug/L		88	(69%-120%)			
1,2-Dibromo-3-chloropropane	50.0			47.3	ug/L		95	(58%-130%)			
1,2-Dibromoethane	50.0			45.5	ug/L		91	(71%-120%)			
1,2-Dichloroethane	50.0			42.9	ug/L		86	(64%-129%)			
1,2-Dichloropropane	50.0			43.5	ug/L		87	(72%-121%)			
1,4-Dichlorobenzene	50.0			44.6	ug/L		89	(72%-120%)			

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
2-Butanone	250			221	ug/L		88	(63%-134%)	CM6	09/09/25	10:16
2-Hexanone	250			201	ug/L		81	(58%-143%)			
4-Methyl-2-pentanone	250			206	ug/L		82	(65%-125%)			
Acetone	250			225	ug/L		90	(56%-149%)			
Acetonitrile	1250			984	ug/L		79	(56%-135%)			
Benzene	50.0			45.5	ug/L		91	(74%-128%)			
Bromodichloromethane	50.0			46.5	ug/L		93	(72%-126%)			
Bromoform	50.0			47.6	ug/L		95	(70%-130%)			
Bromomethane	50.0			50.7	ug/L		101	(64%-142%)			
Carbon disulfide	250			220	ug/L		88	(63%-133%)			
Carbon tetrachloride	50.0			47.0	ug/L		94	(70%-135%)			
Chlorobenzene	50.0			44.9	ug/L		90	(74%-120%)			
Chloroethane	50.0			52.8	ug/L		106	(66%-140%)			
Chloroform	50.0			44.5	ug/L		89	(74%-122%)			

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Chloromethane	50.0			53.9	ug/L		108	(56%-142%)	CM6	09/09/25	10:16
Dibromochloromethane	50.0			46.2	ug/L		92	(70%-130%)			
Dibromomethane	50.0			44.0	ug/L		88	(72%-120%)			
Dichlorodifluoromethane	50.0			58.6	ug/L		117	(58%-151%)			
Ethylbenzene	50.0			43.3	ug/L		87	(71%-121%)			
Iodomethane	250			197	ug/L		79	(69%-128%)			
Methylene chloride	50.0			48.6	ug/L		97	(65%-121%)			
Styrene	50.0			42.4	ug/L		85	(70%-125%)			
Tetrachloroethylene	50.0			45.2	ug/L		90	(70%-130%)			
Toluene	50.0			43.7	ug/L		87	(73%-121%)			
Trichloroethylene	50.0			48.2	ug/L		96	(76%-126%)			
Trichlorofluoromethane	50.0			50.0	ug/L		100	(63%-136%)			
Vinyl acetate	250			201	ug/L		80	(65%-133%)			
Vinyl chloride	50.0			53.1	ug/L		106	(63%-144%)			

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Xylenes (total)	150			135	ug/L		90	(74%-124%)	CM6	09/09/25	10:16
cis-1,2-Dichloroethylene	50.0			45.5	ug/L		91	(73%-122%)			
cis-1,3-Dichloropropylene	50.0			44.7	ug/L		89	(73%-125%)			
trans-1,2-Dichloroethylene	50.0			46.6	ug/L		93	(73%-129%)			
trans-1,3-Dichloropropylene	50.0			45.1	ug/L		90	(70%-126%)			
**1,2-Dichloroethane-d4	50.0			49.6	ug/L		99	(76%-127%)			
**Bromofluorobenzene	50.0			49.6	ug/L		99	(74%-123%)			
**Toluene-d8	50.0			49.2	ug/L		98	(77%-121%)			
QC1206228271 LCS											
2-Chloro-1,3-butadiene	50.0			46.8	ug/L		94	(64%-131%)		09/09/25	11:10
Acrolein	250			266	ug/L		106	(60%-140%)			
Acrylonitrile	250			236	ug/L		94	(68%-127%)			
Allyl chloride	250			262	ug/L		105	(66%-128%)			
Ethyl methacrylate	250			213	ug/L		85	(66%-125%)			
Isobutyl alcohol	2500			2510	ug/L		101	(65%-137%)			

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Methacrylonitrile	250			227	ug/L		91	(65%-126%)	CM6	09/09/25	11:10
Methyl methacrylate	250			221	ug/L		88	(68%-122%)			
Propionitrile	250			245	ug/L		98	(64%-127%)			
trans-1,4-Dichloro-2-butene	250			241	ug/L		96	(63%-141%)			
**1,2-Dichloroethane-d4	50.0			49.4	ug/L		99	(76%-127%)			
**Bromofluorobenzene	50.0			47.8	ug/L		96	(74%-123%)			
**Toluene-d8	50.0			51.0	ug/L		102	(77%-121%)			
QC1206228268 MB											
1,1,1,2-Tetrachloroethane			U	0.333	ug/L					09/09/25	12:05
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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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
1,2-Dibromo-3-chloropropane			U	0.333	ug/L				CM6	09/09/25	12:05
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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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Benzene			U	0.333	ug/L				CM6	09/09/25	12:05
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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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Ethylbenzene			U	0.333	ug/L				CM6	09/09/25	12:05
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			J	1.35	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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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Xylenes (total)			U	1.00	ug/L				CM6	09/09/25	12:05
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			50.3	ug/L		101	(76%-127%)			
**Bromofluorobenzene	50.0			48.8	ug/L		98	(74%-123%)			
**Toluene-d8	50.0			50.2	ug/L		100	(77%-121%)			
QC1206228269 740786001 MS											
1,1,1,2-Tetrachloroethane	50.0	U	0.333	43.5	ug/L		87	(67%-130%)		09/09/25	15:19
1,1,1-Trichloroethane	50.0	U	0.333	46.9	ug/L		94	(56%-133%)			
1,1,2,2-Tetrachloroethane	50.0	U	0.333	41.1	ug/L		82	(59%-136%)			
1,1,2-Trichloroethane	50.0	U	0.333	43.3	ug/L		87	(68%-123%)			
1,1-Dichloroethane	50.0	U	0.333	45.1	ug/L		90	(67%-128%)			

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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	2860433										
1,1-Dichloroethylene	50.0	U	0.333	49.4	ug/L		99	(57%-137%)	CM6	09/09/25	15:19
1,2,3-Trichloropropane	50.0	U	0.333	43.8	ug/L		88	(67%-126%)			
1,2-Dibromo-3-chloropropane	50.0	U	0.333	45.2	ug/L		90	(49%-137%)			
1,2-Dibromoethane	50.0	U	0.333	44.2	ug/L		88	(65%-124%)			
1,2-Dichloroethane	50.0	U	0.333	42.3	ug/L		85	(60%-134%)			
1,2-Dichloropropane	50.0	U	0.333	42.3	ug/L		85	(67%-125%)			
1,4-Dichlorobenzene	50.0	U	0.333	42.7	ug/L		85	(54%-123%)			
2-Butanone	250	U	1.67	228	ug/L		91	(47%-134%)			
2-Hexanone	250	U	1.67	207	ug/L		83	(55%-140%)			
4-Methyl-2-pentanone	250	U	1.67	212	ug/L		85	(60%-132%)			
Acetone	250	U	1.74	231	ug/L		93	(50%-139%)			
Acetonitrile	1250	U	8.33	1050	ug/L		84	(49%-140%)			
Benzene	50.0	U	0.333	44.1	ug/L		88	(67%-128%)			
Bromodichloromethane	50.0	U	0.333	44.9	ug/L		90	(64%-130%)			

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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	2860433										
Bromoform	50.0	U	0.333	46.6	ug/L		93	(58%-134%)	CM6	09/09/25	15:19
Bromomethane	50.0	U	0.337	49.8	ug/L		100	(55%-149%)			
Carbon disulfide	250	U	1.67	215	ug/L		86	(55%-131%)			
Carbon tetrachloride	50.0	U	0.333	47.1	ug/L		94	(58%-141%)			
Chlorobenzene	50.0	U	0.333	43.4	ug/L		87	(63%-121%)			
Chloroethane	50.0	U	0.333	48.5	ug/L		97	(56%-143%)			
Chloroform	50.0	U	0.333	43.3	ug/L		87	(65%-128%)			
Chloromethane	50.0	U	0.333	49.0	ug/L		98	(42%-152%)			
Dibromochloromethane	50.0	U	0.333	44.7	ug/L		89	(63%-137%)			
Dibromomethane	50.0	U	0.333	43.7	ug/L		87	(67%-126%)			
Dichlorodifluoromethane	50.0	U	0.355	52.0	ug/L		104	(37%-162%)			
Ethylbenzene	50.0	U	0.333	42.0	ug/L		84	(58%-123%)			
Iodomethane	250	U	1.67	190	ug/L		76	(61%-130%)			
Methylene chloride	50.0		25.6	67.7	ug/L		84	(58%-123%)			

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Styrene	50.0	U	0.333	40.6	ug/L		81	(58%-129%)	CM6	09/09/25	15:19
Tetrachloroethylene	50.0	U	0.333	44.1	ug/L		88	(56%-126%)			
Toluene	50.0	U	0.333	42.6	ug/L		85	(63%-121%)			
Trichloroethylene	50.0	U	0.333	47.9	ug/L		96	(61%-130%)			
Trichlorofluoromethane	50.0	U	0.333	49.1	ug/L		98	(48%-137%)			
Vinyl acetate	250	U	1.67	206	ug/L		82	(55%-137%)			
Vinyl chloride	50.0	U	0.333	49.4	ug/L		99	(49%-153%)			
Xylenes (total)	150			130	ug/L			(55%-129%)			
cis-1,2-Dichloroethylene	50.0	U	0.333	44.0	ug/L		88	(65%-128%)			
cis-1,3-Dichloropropylene	50.0	U	0.333	43.2	ug/L		86	(63%-129%)			
trans-1,2-Dichloroethylene	50.0	U	0.333	46.5	ug/L		93	(63%-129%)			
trans-1,3-Dichloropropylene	50.0	U	0.333	42.9	ug/L		86	(65%-130%)			
**1,2-Dichloroethane-d4	50.0		50.6	50.2	ug/L		100	(76%-127%)			
**Bromofluorobenzene	50.0		48.0	52.2	ug/L		104	(74%-123%)			

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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	2860433										
**Toluene-d8	50.0	49.9		50.4	ug/L		101	(77%-121%)	CM6	09/09/25	15:19
QC1206228272 740786001 MS											
2-Chloro-1,3-butadiene	50.0	U	0.333	44.6	ug/L		89	(56%-137%)		09/09/25	16:15
Acrolein	250	U	1.67	243	ug/L		97	(37%-143%)			
Acrylonitrile	250	U	1.67	235	ug/L		94	(62%-133%)			
Allyl chloride	250	U	1.67	244	ug/L		98	(58%-136%)			
Ethyl methacrylate	250	U	1.67	205	ug/L		82	(56%-133%)			
Isobutyl alcohol	2500	U	16.7	2340	ug/L		94	(58%-144%)			
Methacrylonitrile	250	U	1.67	221	ug/L		88	(61%-135%)			
Methyl methacrylate	250	U	1.67	210	ug/L		84	(61%-136%)			
Propionitrile	250	U	1.67	240	ug/L		96	(61%-134%)			
trans-1,4-Dichloro-2-butene	250	U	1.67	233	ug/L		93	(59%-149%)			
**1,2-Dichloroethane-d4	50.0	50.6		49.6	ug/L		99	(76%-127%)			
**Bromofluorobenzene	50.0	48.0		48.9	ug/L		98	(74%-123%)			
**Toluene-d8	50.0	49.9		51.5	ug/L		103	(77%-121%)			

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QC Summary

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
	QC1206228270 740786001 MSD										
1,1,1,2-Tetrachloroethane	50.0	U	0.333	42.7	ug/L	2	85	(0%-20%)	CM6	09/09/25	15:47
1,1,1-Trichloroethane	50.0	U	0.333	45.0	ug/L	4	90	(0%-20%)			
1,1,2,2-Tetrachloroethane	50.0	U	0.333	40.0	ug/L	2	80	(0%-20%)			
1,1,2-Trichloroethane	50.0	U	0.333	42.4	ug/L	2	85	(0%-20%)			
1,1-Dichloroethane	50.0	U	0.333	43.8	ug/L	3	88	(0%-20%)			
1,1-Dichloroethylene	50.0	U	0.333	48.1	ug/L	3	96	(0%-20%)			
1,2,3-Trichloropropane	50.0	U	0.333	42.4	ug/L	3	85	(0%-20%)			
1,2-Dibromo-3-chloropropane	50.0	U	0.333	44.9	ug/L	1	90	(0%-20%)			
1,2-Dibromoethane	50.0	U	0.333	43.7	ug/L	1	87	(0%-20%)			
1,2-Dichloroethane	50.0	U	0.333	41.9	ug/L	1	84	(0%-20%)			
1,2-Dichloropropane	50.0	U	0.333	41.5	ug/L	2	83	(0%-20%)			
1,4-Dichlorobenzene	50.0	U	0.333	42.0	ug/L	2	84	(0%-20%)			
2-Butanone	250	U	1.67	224	ug/L	2	90	(0%-20%)			
2-Hexanone	250	U	1.67	206	ug/L	1	82	(0%-20%)			

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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	2860433										
4-Methyl-2-pentanone	250	U	1.67	209	ug/L	1	84	(0%-20%)	CM6	09/09/25	15:47
Acetone	250	U	1.74	227	ug/L	2	91	(0%-20%)			
Acetonitrile	1250	U	8.33	1020	ug/L	3	82	(0%-20%)			
Benzene	50.0	U	0.333	42.7	ug/L	3	85	(0%-20%)			
Bromodichloromethane	50.0	U	0.333	44.6	ug/L	1	89	(0%-20%)			
Bromoform	50.0	U	0.333	44.5	ug/L	4	89	(0%-20%)			
Bromomethane	50.0	U	0.337	51.3	ug/L	3	103	(0%-20%)			
Carbon disulfide	250	U	1.67	210	ug/L	2	84	(0%-20%)			
Carbon tetrachloride	50.0	U	0.333	44.9	ug/L	5	90	(0%-20%)			
Chlorobenzene	50.0	U	0.333	42.8	ug/L	1	86	(0%-20%)			
Chloroethane	50.0	U	0.333	49.8	ug/L	3	100	(0%-20%)			
Chloroform	50.0	U	0.333	41.8	ug/L	3	84	(0%-20%)			
Chloromethane	50.0	U	0.333	48.6	ug/L	1	97	(0%-20%)			
Dibromochloromethane	50.0	U	0.333	44.5	ug/L	1	89	(0%-20%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Dibromomethane	50.0	U	0.333	42.7	ug/L	2	85	(0%-20%)	CM6	09/09/25	15:47
Dichlorodifluoromethane	50.0	U	0.355	50.9	ug/L	2	102	(0%-20%)			
Ethylbenzene	50.0	U	0.333	40.8	ug/L	3	82	(0%-20%)			
Iodomethane	250	U	1.67	187	ug/L	1	75	(0%-20%)			
Methylene chloride	50.0		25.6	68.3	ug/L	1	86	(0%-20%)			
Styrene	50.0	U	0.333	40.1	ug/L	1	80	(0%-20%)			
Tetrachloroethylene	50.0	U	0.333	42.7	ug/L	3	85	(0%-20%)			
Toluene	50.0	U	0.333	41.5	ug/L	3	83	(0%-20%)			
Trichloroethylene	50.0	U	0.333	46.0	ug/L	4	92	(0%-20%)			
Trichlorofluoromethane	50.0	U	0.333	48.2	ug/L	2	96	(0%-20%)			
Vinyl acetate	250	U	1.67	207	ug/L	1	83	(0%-20%)			
Vinyl chloride	50.0	U	0.333	49.6	ug/L	0	99	(0%-20%)			
Xylenes (total)	150			127	ug/L	2		(0%-20%)			
cis-1,2-Dichloroethylene	50.0	U	0.333	42.8	ug/L	3	86	(0%-20%)			

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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	2860433										
cis-1,3-Dichloropropylene	50.0	U	0.333	42.5	ug/L	2	85	(0%-20%)	CM6	09/09/25	15:47
trans-1,2-Dichloroethylene	50.0	U	0.333	44.6	ug/L	4	89	(0%-20%)			
trans-1,3-Dichloropropylene	50.0	U	0.333	43.3	ug/L	1	87	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		50.6	50.2	ug/L		100	(76%-127%)			
**Bromofluorobenzene	50.0		48.0	50.6	ug/L		101	(74%-123%)			
**Toluene-d8	50.0		49.9	50.1	ug/L		100	(77%-121%)			
QC1206228273 740786001 MSD											
2-Chloro-1,3-butadiene	50.0	U	0.333	43.8	ug/L		88*	(0%-20%)		09/09/25	16:43
Acrolein	250	U	1.67	230	ug/L		92*	(0%-20%)			
Acrylonitrile	250	U	1.67	229	ug/L		92*	(0%-20%)			
Allyl chloride	250	U	1.67	245	ug/L		98*	(0%-20%)			
Ethyl methacrylate	250	U	1.67	201	ug/L		80*	(0%-20%)			
Isobutyl alcohol	2500	U	16.7	2410	ug/L		96*	(0%-20%)			
Methacrylonitrile	250	U	1.67	218	ug/L		87*	(0%-20%)			
Methyl methacrylate	250	U	1.67	209	ug/L		83*	(0%-20%)			

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	2860433										
Propionitrile	250	U	1.67	239	ug/L		96*	(0%-20%)	CM6	09/09/25	16:43
trans-1,4-Dichloro-2-butene	250	U	1.67	228	ug/L		91*	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		50.6	49.7	ug/L		99	(76%-127%)			
**Bromofluorobenzene	50.0		48.0	47.0	ug/L		94	(74%-123%)			
**Toluene-d8	50.0		49.9	50.6	ug/L		101	(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

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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: GEL740786
Matrix Type: LIQUID

Sample ID	Client ID	DCED4 %REC	TOL %REC	BFB %REC
1206228267	LCS for batch	99	98	99
1206228271	LCS for batch	99	102	96
1206228268	MB for batch	101	100	98
740786001	B4N200	101	100	96
740786003	B4N201	102	98	96
740786007	B4N2W8	100	101	98
1206228269	B4N200MS	100	101	104
1206228270	B4N200MSD	100	100	101
1206228272	B4N200MS	99	103	98
1206228273	B4N200MSD	99	101	94

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

Metals Analysis

Case Narrative

Metals
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL740786
Work Order #: 740786

Product: Determination of Metals by ICP-MS**Analytical Method:** SW846 3005A/6020B**Analytical Procedure:** GL-MA-E-014 REV# 37**Analytical Batch:** 2856165**Preparation Method:** SW846 3005A**Preparation Procedure:** GL-MA-E-006 REV# 15**Preparation Batch:** 2856164

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786001	B4N200
740786002	B4N206
740786003	B4N201
740786004	B4N207
1206219752	Method Blank (MB)ICP-MS
1206219753	Laboratory Control Sample (LCS)
1206219757	740786001(B4N200L) Serial Dilution (SD)
1206219754	740786001(B4N200S) Matrix Spike (MS)
1206219755	740786001(B4N200SD) Matrix Spike Duplicate (MSD)

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

Data Summary:

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

Calibration Information**ICSA/ICSAB Statement**

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

Certification Statement

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

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**Qualifier Definition Report
for**

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL740786 GEL Work Order: 740786

The Qualifiers in this report are defined as follows:

* Duplicate analysis not within control limits

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

D Results are reported from a diluted aliquot of sample.

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: Alan Stanley

Date: 25 SEP 2025

Title: Analyst III - Team Leader

Sample Data Summary

Quality Control Summary

GEL LABORATORIES LLC

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QC Summary

Report Date: September 25, 2025

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

Contact: Ms. Heather Medley

Workorder: 740786

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch	2856165										
QC1206219753	LCS										
Chromium	50.0			50.0	ug/L		100	(80%-120%)	BAJ	09/20/25	21:03
QC1206219752	MB										
Chromium			U	3.00	ug/L					09/20/25	21:01
QC1206219754	740786001	MS									
Chromium	50.0	U	3.00	50.6	ug/L		101	(75%-125%)		09/20/25	21:09
QC1206219755	740786001	MSD									
Chromium	50.0	U	3.00	52.9	ug/L	4.57	105	(0%-20%)		09/20/25	21:12
QC1206219757	740786001	SDILT									
Chromium		U	0.240	DU	15.0	ug/L	N/A	(0%-20%)		09/20/25	21:17

Notes:

The Qualifiers in this report are defined as follows:

- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Spike Sample recovery is outside control limits.
- * Duplicate analysis not within control limits
- Z Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- B The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).
- D Results are reported from a diluted aliquot of sample.
- E Reported value is estimated due to interferences. See comment in narrative.
- M Duplicate precision not met.
- S Reported value determined by the Method of Standard Additions (MSA)
- W Post-digestion spike recovery for GFAA out of control limit. Sample absorbency < 50% of spike absorbency.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

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QC Summary

Workorder: 740786

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
+	Correlation coefficient for Method of Standard Additions (MSA) is < 0.995										
C	Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.										
H	Laboratory holding time exceeded before the sample was analyzed.										

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

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

General Chem Analysis

Case Narrative

**General Chemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL740786
Work Order #: 740786**

Product: Cyanide, Total**Analytical Method:** 9012_CYANIDE**Analytical Procedure:** GL-GC-E-112 REV# 3**Analytical Batch:** 2856665**Preparation Method:** 9012_CYANIDE**Preparation Procedure:** GL-GC-E-067 REV# 26**Preparation Batch:** 2856664

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786006	B4N301
1206220948	Method Blank (MB)
1206220949	Laboratory Control Sample (LCS)
1206220954	740356025(NonSDG) Sample Duplicate (DUP)
1206220955	740356025(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.

Technical Information**Sample Dilutions**

The following sample 740786006 (B4N301) was 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	740786
	006
Cyanide, Total	10X

Certification Statement

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

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**Qualifier Definition Report
for**

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL740786 GEL Work Order: 740786


The Qualifiers in this report are defined as follows:

- 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:** 25 SEP 2025**Title:** Analyst III Team Leader

Sample Data Summary

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: September 25, 2025

Company : Central Plateau Cleanup Company
 Address : 200 East / MO-277 / 108
 PO Box 1600
 Richland, Washington 99352
 Contact: Ms. Heather Medley
 Project: SAF S25-008

Client Sample ID: B4N301 Project: CPRCOS25008Q
 Sample ID: 740786006 Client ID: CPRC003
 Matrix: WATER
 Collect Date: 28-AUG-25 11:49
 Receive Date: 30-AUG-25
 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis												
9012_CYANIDE (TOTAL): COMMON "As Received"												
Cyanide, Total	D	1180	16.7	50.0	ug/L	1.00	10	KLP1	09/05/25	1314	2856665	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010C Distillation	SW846 9010C Prep	CH9	09/05/25	1059	2856664

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	9012_CYANIDE	

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 25, 2025

Page 1 of 2

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

Contact: Ms. Heather Medley

Workorder: 740786

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Flow Injection Analysis											
Batch	2856665										
QC1206220954	740356025	DUP									
Cyanide, Total		U	1.67	U	1.67	ug/L	N/A		KLP1	09/05/25	12:19
QC1206220949	LCS										
Cyanide, Total	50.0				53.7	ug/L	107	(80%-120%)		09/05/25	11:57
QC1206220948	MB										
Cyanide, Total			U		1.67	ug/L				09/05/25	11:56
QC1206220955	740356025	MS									
Cyanide, Total	100	U	1.67		78.7	ug/L	78.7	(75%-125%)		09/05/25	12:20

Notes:

The Qualifiers in this report are defined as follows:

- U Analyzed for but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Spike Sample recovery is outside control limits.
- > Result greater than quantifiable range or greater than upper limit of the analysis range
- Z Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- D Results are reported from a diluted aliquot of sample.
- E Reported value is estimated due to interferences. See comment in narrative.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- B The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).
- C Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.
- < Sample is below the EPA guidance level for Reactive Releasable Cyanide and/or Reactive Releasable Sulfide
- H Laboratory holding time exceeded before the sample was analyzed.

GEL LABORATORIES LLC

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QC Summary

Workorder: 740786

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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.

Radiological Analysis

Case Narrative

**Radiochemistry
Technical Case Narrative
Central Plateau Cleanup Company
SDG #: GEL740786
Work Order #: 740786**

Product: SMR_I129LOWLEVEL_RAD**Analytical Method:** DOE EML HASL-300,I-01 Modified**Analytical Procedure:** GL-RAD-A-006 REV# 24**Analytical Batch:** 2858530

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786006	B4N301
1206224293	Method Blank (MB)
1206224294	740786006(B4N301) Sample Duplicate (DUP)
1206224295	740786006(B4N301) Matrix Spike (MS)
1206224296	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_SR_RAD_GPC**Analytical Method:** SR_RAD_GPC**Analytical Procedure:** GL-RAD-A-004 REV# 23**Analytical Batch:** 2856276

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786005	B4N313
1206220038	Method Blank (MB)
1206220039	740786005(B4N313) Sample Duplicate (DUP)
1206220040	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_C14_LSC

Analytical Method: C14_LSC

Analytical Procedure: GL-RAD-A-003 REV# 18

Analytical Batch: 2856198

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
740786001	B4N200
740786003	B4N201
1206219831	Method Blank (MB)
1206219832	740786001(B4N200) Sample Duplicate (DUP)
1206219833	740786001(B4N200) Matrix Spike (MS)
1206219834	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, 1206219833 (B4N200MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

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**Qualifier Definition Report
for**

CPRC003 Central Plateau Cleanup Company (89223)

Client SDG: GEL740786 GEL Work Order: 740786

The Qualifiers in this report are defined as follows:

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

Review/Validation

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

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

Signature: 

Name: Theresa Austin

Date: 24 SEP 2025

Title: Group - Rad Data Validatior

Sample Data Summary

Rad
Certificate of Analysis
Sample Summary

SDG Number: GEL740786	Client: CPRC003	Project: CPRC0S25008Q
Lab Sample ID: 740786001	Date Collected: 08/28/2025 07:05	Matrix: WATER
	Date Received: 08/30/2025 09:30	
Client ID: B4N200	Method: C14_LSC	Prep Basis: "As Received"
Batch ID: 2856198	Analyst: MG6	SOP Ref: GL-RAD-A-003
Run Date: 09/03/2025 23:15	Aliquot: 100.43 mL	Instrument: LSCONYX
Data File: C2856198.xls	Prep Method: EPA EERF C-01 Modified	Count Time: 15 min
Prep Batch: 2856198		
Prep Date: 09/02/2025 13:30		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14762-75-5	Carbon-14	U	-0.347	pCi/L	+/-9.51	9.51	17.2	50.0

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits

Comments:

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

Rad
Certificate of Analysis
Sample Summary

SDG Number: GEL740786	Client: CPRC003	Project: CPRC0S25008Q
Lab Sample ID: 740786003	Date Collected: 08/28/2025 09:24	Matrix: WATER
	Date Received: 08/30/2025 09:30	
Client ID: B4N201	Method: C14_LSC	Prep Basis: "As Received"
Batch ID: 2856198	Analyst: MG6	SOP Ref: GL-RAD-A-003
Run Date: 09/03/2025 23:32	Aliquot: 100.82 mL	Instrument: LSCONYX
Data File: C2856198.xls	Prep Method: EPA EERF C-01 Modified	Count Time: 15 min
Prep Batch: 2856198		
Prep Date: 09/02/2025 13:30		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
14762-75-5	Carbon-14		9880	pCi/L	+/-124	1840	17.2	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: GEL740786	Client: CPRC003	Project: CPRC0S25008Q
Lab Sample ID: 740786005	Date Collected: 08/28/2025 10:31	Matrix: WATER
	Date Received: 08/30/2025 09:30	
Client ID: B4N313	Method: SR_RAD_GPC	Prep Basis: "As Received"
Batch ID: 2856276	Analyst: ST2	SOP Ref: GL-RAD-A-004
Run Date: 09/05/2025 13:58	Aliquot: 300.6 mL	Instrument: PIC13D
Data File: S2856276.xls	Prep Method: EPA 905.0 Modified/DOE RP5	Count Time: 60 min
Prep Batch: 2856276		
Prep Date: 09/04/2025 10:11		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
10098-97-2	Strontium-90		48.0	pCi/L	+/-3.39	11.6	1.78	2.00

Surrogate/Tracer recovery	Result	Nominal	Units	Recovery%	Acceptable Limits
Strontium Carrier	4.20	4.35	mg	96.6	(40%-110%)

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: GEL740786	Client: CPRC003	Project: CPRC0S25008Q
Lab Sample ID: 740786006	Date Collected: 08/28/2025 11:49	Matrix: WATER
	Date Received: 08/30/2025 09:30	
Client ID: B4N301	Method: DOE EML HASL-300,I-01 Mo	Prep Basis: "As Received"
Batch ID: 2858530	Analyst: SF1	SOP Ref: GL-RAD-A-006
Run Date: 09/10/2025 21:22	Aliquot: 1.2342 L	Instrument: XRAY1
Data File: I740786006.CNF;2	Prep Method: DOE EML HASL-300,I-01 M	Count Time: 240 min
Prep Batch: 2858530		
Prep Date: 09/10/2025 10:01		

CAS No.	Parmname	Qual	Result	Units	Uncert	TPU	MDC	RDL
15046-84-1	Iodine-129	U	0.367	pCi/L	+/-0.493	0.521	0.869	1.00

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

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

Quality Control Data

GEL LABORATORIES LLC

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QC Summary

Report Date: September 24, 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: 740786

Parmname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date Time
Rad Gamma Spec									
Batch	2858530								
QC1206224293	MB								
Iodine-129			U	-0.0337	pCi/L			SF1	09/11/2518:09
				Uncert: +/-0.243					
				TPU: +/-0.243					
QC1206224294	740786006	DUP							
Iodine-129		U	0.367	U	0.316				09/11/2518:54
				Uncert: +/-0.493	+/-0.603	RPD: 0	N/A		
				TPU: +/-0.521	+/-0.620	RER: 0.124	(0-2)		
QC1206224295	740786006	MS							
Iodine-129		U	0.367		34.0	REC: 85.6	(75%-125%)		09/11/2521:11
				Uncert: +/-0.493	+/-3.24				
				TPU: +/-0.521	+/-4.70				
QC1206224296	LCS								
Iodine-129					37.3	REC: 103	(80%-120%)		09/11/2521:12
				Uncert: +/-2.42					
				TPU: +/-4.56					
Rad Gas Flow									
Batch	2856276								
QC1206220038	MB								
Strontium-90			U	0.864	pCi/L			ST2	09/05/2513:58
				Uncert: +/-0.875					
				TPU: +/-0.898					
**Strontium Carrier				4.35	mg	REC: 99	(40%-110%)		
QC1206220039	740786005	DUP							
Strontium-90			48.0		44.3				09/05/2513:58
				Uncert: +/-3.39	+/-3.34	RPD: 8	(0%-20%)		
				TPU: +/-11.6	+/-10.8	RER: 0.457	(0-2)		
**Strontium Carrier				4.35	mg	REC: 97	(40%-110%)		
QC1206220040	LCS								
Strontium-90					69.7	REC: 83.7	(80%-120%)		09/05/2513:58
				Uncert: +/-3.58					
				TPU: +/-13.9					
**Strontium Carrier				4.35	mg	REC: 99	(40%-110%)		
Rad Liquid Scintillation									
Batch	2856198								
QC1206219831	MB								
Carbon-14			U	1.22	pCi/L			MG6	09/03/2523:48
				Uncert: +/-9.62					
				TPU: +/-9.62					
QC1206219832	740786001	DUP							
Carbon-14		U	-0.347	U	5.03				09/04/2500:05
				Uncert: +/-9.51	+/-9.92	RPD: 0	N/A		
				TPU: +/-9.51	+/-9.97	RER: 0.765	(0-2)		
QC1206219833	740786001	MS							

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QC Summary

Workorder: 740786

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Parname	NOM	Sample	Qual	QC	Units	QC Criteria	Range	Analyst	Date	Time
Rad Liquid Scintillation										
Batch	2856198									
Carbon-14	7140	U	-0.347	6240	pCi/L	REC: 87.3	(75%-125%)			
			Uncert: +/-9.51	+/-320						
			TPU: +/-9.51	+/-1200						
QC1206219834	LCS									
Carbon-14	739			723	pCi/L	REC: 97.8	(80%-120%)		09/04/2500:38	
			Uncert: +/-35.0							
			TPU: +/-139							

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.
- * Duplicate analysis not within control limits
- > Result greater than quantifiable range or greater than upper limit of the analysis range
- Z Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- B The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).
- D Results are reported from a diluted aliquot of sample.
- E Reported value is estimated due to interferences. See comment in narrative.
- M Duplicate precision not met.
- O Analyte failed to recover within LCS limits (Organics only)
- S Reported value determined by the Method of Standard Additions (MSA)
- T Spike and/or spike duplicate sample recovery is outside control limits.
- W Post-digestion spike recovery for GFAA out of control limit. Sample absorbency < 50% of spike absorbency.
- B The analyte was detected in the associated method blank >= MDC or >5% sample activity.
- Y Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- + Correlation coefficient for Method of Standard Additions (MSA) is < 0.995
- C Target analyte was detected in the sample and the associated blank. The associated blank concentration is >= EQL or is > 5% of the measured concentration and/or decision level for associated samples.
- < Sample is below the EPA guidance level for Reactive Releasable Cyanide and/or Reactive Releasable Sulfide
- O Analyte failed to recover within LCS limits
- H Laboratory holding time exceeded before the sample was analyzed.

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QC Summary

Workorder: 740786

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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.