



RJ Lee Group, Inc. | Columbia Basin Analytical Laboratories

2710 North 20th Avenue, Pasco WA 99301

Tel: (509) 792-1955 | Fax: (509) 792-1934

Central Plateau Cleanup Company, LLC (Env)  
PO Box 1464  
Richland, WA 99352

04/07/25  
Contract: 89225

**Subject: Chemical Analysis Report, SDG Number: RJLG25C0165**

Columbia Basin Analytical Laboratories received 3 sample(s) on 03/11/25 for analysis. These sample(s) have been assigned a login order number of W503120, SDG number RJLG25C0165. Enclosed is the final report that consists of a summary report of the sample(s), and a copy of the chain of custody. If provided by customer on COC, sample volume is recorded on the laboratory report and has been used to calculate final results.

**General Lab Comments**

The results provided in this report relate only to the items tested. Sample(s) were received in acceptable conditions unless otherwise noted in the comments above. Sample(s) have not been field blank corrected unless otherwise noted in the general set comments above. Results included in the report apply to the sample as it was received. Information provided by customer can affect validity of results. The sample(s) were prepared and analyzed in compliance with EPA 300.0. The working analytical concentration for samples prepared by this method is a 2x dilution of the digestate. This test report shall not be reproduced, except in full, without written approval of Columbia Basin Analytical Laboratories. Any questions, please contact our office.

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all data deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this data package has been authorized by the Laboratory Director or a designee and the laboratory's client service representative as verified by their signatures on this report. This report has been technically reviewed by the following individual:

A handwritten signature in cursive script that reads "Sam Sears".

03/21/25

Chemist I Sam Sears

If you have any questions please feel free to contact Sam Sears at [SSears@rjleegroup.com](mailto:SSears@rjleegroup.com) or 509-792-1955.

This report has been administratively reviewed and approved by the following individual:

A handwritten signature in cursive script that reads "Erin Leseberg".

04/07/25

QA Officer/Project Manager Erin Leseberg

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Report Template: EnvironmentalA.rpt

Approved: 03/21/25 11:37  
Report Time Stamp: 04/07/25 16:56



Heather Medley  
 Central Plateau Cleanup  
 Company, LLC (Env)  
 PO Box 1464  
 Richland, WA 99352  
 Client Project: Anions

### Laboratory Report

Non-Potable Water  
 EPA 300.0  
 Metrohm ICNet

RJ Lee Group No.: W503120  
 SDG No: RJLG25C0165  
 Samples Received: 03/11/25 14:10  
 Report Date: 04/07/25 16:56

**Sample Name:** B4KXW7      **Batch No:** BC50078      **Date Sampled:** 03/11/25 08:58  
**RJ Lee Grp. ID:** W503120-01      **Matrix:** Water

Analyte	Analyzed	Result µg/mL	PQL µg/mL	MDL µg/mL	Dilution Factors	Qualifiers
Chloride	03/14/25 12:02	81.3	3.00	1.50	50	D
Fluoride	03/14/25 12:02	8.65	2.00	0.50	50	D
Nitrate as NO3-N	03/12/25 10:25	< 0.05	0.09	0.05	2	U, D
Nitrite as NO2-N	03/12/25 10:25	< 0.06	0.12	0.06	2	U, D
Sulfate	03/12/25 10:25	< 0.30	0.60	0.30	2	U, D

**Sample Name:** B4KXW1      **Batch No:** BC50078      **Date Sampled:** 03/11/25 09:46  
**RJ Lee Grp. ID:** W503120-02      **Matrix:** Water

Analyte	Analyzed	Result µg/mL	PQL µg/mL	MDL µg/mL	Dilution Factors	Qualifiers
Chloride	03/12/25 04:16	12.8	0.60	0.30	10	D
Fluoride	03/12/25 10:46	0.32	0.08	0.04	2	D
Nitrate as NO3-N	03/12/25 04:16	5.20	0.46	0.23	10	D
Nitrite as NO2-N	03/12/25 10:46	< 0.06	0.12	0.06	2	U, D
Sulfate	03/12/25 04:16	54.1	3.00	1.50	10	D

**Sample Name:** B4KXW9      **Batch No:** BC50078      **Date Sampled:** 03/11/25 10:51  
**RJ Lee Grp. ID:** W503120-03      **Matrix:** Water

Analyte	Analyzed	Result µg/mL	PQL µg/mL	MDL µg/mL	Dilution Factors	Qualifiers
Chloride	03/12/25 04:36	29.6	1.20	0.60	20	D
Fluoride	03/12/25 11:06	1.09	0.08	0.04	2	D
Nitrate as NO3-N	03/12/25 04:36	6.15	0.92	0.46	20	D
Nitrite as NO2-N	03/12/25 11:06	< 0.06	0.12	0.06	2	U, D
Sulfate	03/12/25 04:36	44.1	6.00	3.00	20	D

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Heather Medley  
 Central Plateau Cleanup  
 Company, LLC (Env)  
 PO Box 1464  
 Richland, WA 99352  
 Client Project: Anions

**Quality Control**  
 Non-Potable Water  
 EPA 300.0

RJ Lee Group No.: W503120  
 SDG No.: RJLG25C0165  
 Samples Received: 03/11/25 14:10  
 Report Date: 04/07/25 16:56

Analyte	Analyzed	QC ID	Spike µg/mL	Exp µg/mL	Res µg/mL	MDL µg/mL	PQL µg/mL	RPD	DF	% REC	Recovery Limits	Q	Comments
Chloride	03/11/25 19:42	LRB		<0.02	<0.02	0.02	0.06		1			U	BC50078,
Fluoride	03/11/25 19:42	LRB		<0.01	<0.01	0.01	0.04		1			U	BC50078,
Nitrate as NO3-N	03/11/25 19:42	LRB		<0.01	<0.01	0.01	0.05		1			U	BC50078,
Nitrite as NO2-N	03/11/25 19:42	LRB		<0.02	<0.02	0.02	0.06		1			U	BC50078,
Sulfate	03/11/25 19:42	LRB		<0.08	<0.08	0.08	0.30		1			U	BC50078,
Chloride	03/11/25 20:23	LCS	1.50	1.50	1.53	0.02	0.06		1	102	80 - 120		BC50078,
Fluoride	03/11/25 20:23	LCS	1.00	1.00	1.03	0.01	0.04		1	103	80 - 120		BC50078,
Nitrate as NO3-N	03/11/25 20:23	LCS	1.13	1.13	1.16	0.01	0.05		1	102	80 - 120		BC50078,
Nitrite as NO2-N	03/11/25 20:23	LCS	1.52	1.52	1.52	0.02	0.06		1	100	80 - 120		BC50078,
Sulfate	03/11/25 20:23	LCS	7.50	7.50	7.73	0.08	0.30		1	103	80 - 120		BC50078,
Chloride	03/11/25 20:43	MS	1.50	1.51	1.51	0.03	0.12		2	100	75 - 125	D	BC50078, B4L165
Fluoride	03/11/25 20:43	MS	1.00	1.00	1.02	0.02	0.08		2	101	75 - 125	D	BC50078, B4L165
Nitrate as NO3-N	03/11/25 20:43	MS	1.13	1.17	1.17	0.02	0.09		2	101	75 - 125	D	BC50078, B4L165
Nitrite as NO2-N	03/11/25 20:43	MS	1.52	1.52	1.49	0.03	0.12		2	97.8	75 - 125	D	BC50078, B4L165
Sulfate	03/11/25 20:43	MS	7.50	7.50	7.60	0.15	0.60		2	101	75 - 125	D	BC50078, B4L165
Chloride	03/11/25 21:04	MSD	1.50	1.51	1.49	0.03	0.12	1.40	2	99.0	75 - 125	D	BC50078, B4L165
Fluoride	03/11/25 21:04	MSD	1.00	1.00	1.00	0.02	0.08	1.49	2	99.9	75 - 125	D	BC50078, B4L165
Nitrate as NO3-N	03/11/25 21:04	MSD	1.13	1.17	1.16	0.02	0.09	1.14	2	99.4	75 - 125	D	BC50078, B4L165
Nitrite as NO2-N	03/11/25 21:04	MSD	1.52	1.52	1.48	0.03	0.12	0.62	2	97.2	75 - 125	D	BC50078, B4L165
Sulfate	03/11/25 21:04	MSD	7.50	7.50	7.45	0.15	0.60	1.53	2	99.5	75 - 125	D	BC50078, B4L165

# RJ Lee Group

## Report Qualifiers:

- B = Inorganics and Wetchem: The analyte was detected at a value less than the PQL but greater than or equal to the MDL. The data should be considered usable for decision making purposes.*
- C = The analyte was detected in both the sample and the associated QC blank, and the sample concentration was  $\leq 5X$  the blank concentration. The data should be considered usable for decision making purposes.*
- D = Analyte was reported at a secondary DF, typically  $DF > 1$  (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/wetchem if the sample was diluted.*
- H = Laboratory holding time exceeded before the sample was analyzed.*
- N = Spike and/or spike duplicate sample recovery is outside control limits*
- O = All: The associated LCS recovery is outside control limits*
- U = The constituent was analyzed for and was not detected. The data should be considered usable for decision making purposes.*
- X or Y or Z = The result-specific translation of this qualifier code is provided in the data report and/or case narrative.*



Chemist I Sam Sears

*These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any samples. Unless otherwise noted, samples were received in an acceptable condition. This laboratory operates in accordance with ISO 17025 guidelines, and holds limited scopes of accreditation under ORELAP Lab Code 4061 AIHA LAP, LLC Lab ID 178656 EPA ID WA01195 and WA DOE Lab ID C859. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid. Quality control data is available upon request.*

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Report Template: EnvironmentalA.rpt

Approved: 03/21/25 11:37  
Report Time Stamp: 04/07/25 16:56



**End of Report**

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Rev. 0

Central Plateau Cleanup Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # 125-012-077  
PAGE 1 OF 1

W503120 RJLG25C0165

<b>Collector:</b> Kevin Patterson / CPCC	<b>Contact/Requester:</b> Karen Waters-Husted	<b>Telephone No.:</b> 509-376-4650
<b>SAF No.:</b> I25-012	<b>Sampling Origin:</b> Hanford Site	<b>Purchase Order/Charge Code:</b> 901852
<b>Project Title:</b> AEA, March 2025	<b>Logbook No.:</b> HNF-N-506 145	<b>Ice Chest No.:</b> N/A
<b>Shipped To (Lab):</b> RJ Lee Group, Inc/Center for Laboratory S	<b>Method of Shipment:</b> GOVERNMENT VEHICLE	<b>Bill of Lading/Air Bill No.:</b> N/A
<b>Protocol:</b> SURV	<b>Priority:</b> 30 Days	<b>Offsite Property No.:</b> 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
B4KXW7	N	W	MAR 11 2025	0848	1x125-mL G/P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

4/7/25

Thermometer ID: 230430571  
 Temperature: 3.0

Relinquished By			Received By			Matrix *
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Kevin Patterson / CPCC		MAR 11 2025 1100	Mike Esparza / CPCC		MAR 11 2025 1200	
Mike Esparza / CPCC		MAR 11 2025	Tiffany Calhoun / RJLG		MAR 11 2025 1410	

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

RJLG25C0165

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Rev. 0

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<b>Central Plateau Cleanup Company</b>	<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b> <i>W503120 RJLG250165</i>	C.O.C. # <b>125-012-076</b>
PAGE 1 OF 1		

<b>Collector:</b> Kevin Patterson / CPCC	<b>Contact/Requester:</b> Karen Waters-Husted	<b>Telephone No.:</b> 509-376-4650
<b>SAF No.:</b> I25-012	<b>Sampling Origin:</b> Hanford Site	<b>Purchase Order/Charge Code:</b> 901852
<b>Project Title:</b> AEA, March 2025	<b>Logbook No.:</b> HNF-N-506 <i>145</i>	<b>Ice Chest No.:</b> N/A
<b>Shipped To (Lab):</b> RJ Lee Group, Inc/Center for Laboratory S	<b>Method of Shipment:</b> GOVERNMENT VEHICLE	<b>Bill of Lading/Air Bill No.:</b> N/A
<b>Protocol:</b> SURV	<b>Priority:</b> 30 Days	<b>Offsite Property No.:</b> N/A

<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> *** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1	<b>SPECIAL INSTRUCTIONS</b> N/A
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Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4KXW1	N	W	MAR 11 2025	<i>0940</i>	1x125-mL G/P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

4/7/25

Thermometer ID: 230430571  
 Temperature: 3.0

Relinquished By			Received By			Matrix *
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Kevin Patterson / CPCC	<i>[Signature]</i>	MAR 11 2025 <i>1208</i>	Mike Esparza / CPCC	<i>[Signature]</i>	MAR 11 2025 <i>1208</i>	
Mike Esparza / CPCC	<i>[Signature]</i>	MAR 11 2025	<b>Tiffany Calhoun R.J.L.G.</b>	<i>[Signature]</i>	MAR 11 2025 <i>1410</i>	

<b>FINAL SAMPLE DISPOSITION</b>	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:
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RJLG25C0165

Rev. 0

Central Plateau Cleanup Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # 125-012-078

PAGE 1 OF 1

W503120 RJLG25C0165

<b>Collector:</b> Kevin Patterson / CPCC	<b>Contact/Requester:</b> Karen Waters-Husted	<b>Telephone No.:</b> 509-376-4650
<b>SAF No.:</b> I25-012	<b>Sampling Origin:</b> Hanford Site	<b>Purchase Order/Charge Code:</b> 901852
<b>Project Title:</b> AEA, March 2025	<b>Logbook No.:</b> HNF-N-506 145	<b>Ice Chest No.:</b> N/A
<b>Shipped To (Lab):</b> RJ Lee Group, Inc/Center for Laboratory S	<b>Method of Shipment:</b> GOVERNMENT VEHICLE	<b>Bill of Lading/Air Bill No.:</b> N/A
<b>Protocol:</b> SURV	<b>Priority:</b> 30 Days	<b>Offsite Property No.:</b> N/A

<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1	<b>SPECIAL INSTRUCTIONS</b> N/A
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Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservation
B4KXW9	N		MAR 11 2025	1051	1x125-mL G/P	300.0_ANIONS_IC: COMMON	48 Hours	Cool <=6C

4/7/25

Thermometer ID: 230430571  
Temperature: 3.0

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
Print First and Last Name	Signature	Date/Time	Print First and Last Name	Signature	Date/Time	
Kevin Patterson / CPCC		MAR 11 2025 1200	Mike Esparza / CPCC		MAR 11 2025 1200	
Mike Esparza / CPCC		MAR 11 2025	Tiffany Calhoun R.J.L.S.		MAR 11 2025/410	

RJLG25C0165

<b>FINAL SAMPLE DISPOSITION</b>	Disposal Method (e.g., Return to customer, per lab procedure, used in process):	Disposed By:	Date/Time:
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W503120

**RJ Lee Group Inc**

<b>Client:</b> Central Plateau Cleanup Company, LLC (Env) <b>Project:</b> Anions <b>COC #:</b> I25-012	<b>Project Manager:</b> Sam Sears <b>Project Number:</b> 89225 <b>SDG Number:</b> RJLG25C0165 <b>PO #:</b> 901852
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<b>Report To:</b> Central Plateau Cleanup Company, LLC (Env) Heather Medley PO Box 1464 Richland, WA 99352 Phone: (509) 373-6909 Fax:	<b>Invoice To:</b> Central Plateau Cleanup Company, LLC (Env) Sample Management PO Box 1464 Richland, WA 99352 Phone: (509) 376-7955 Fax:
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Date Due: 4/7/2025 (19 day TAT)	
Received By: Tiffany Calhoon	Date Received: 03/11/25 14:10
Logged In By: Tiffany Calhoon	Date Logged In: 03/11/25 14:55

Samples Received at:	3°C
Custody Seals	Yes
Containers Intact	Yes
COC/Labels Agree	Yes
Preservation Confirmed	Yes
Received On Ice	Yes

RJLG ID	Sample Name	Analysis	Matrix	Date Sampled	TAT	Date Due
W503120-01	B4KXW7 I25-012	Anions by EPA 300	Non-Potable Water	03/11/25 08:58	19	4/7/2025
W503120-02	B4KXW1 I25-012	Anions by EPA 300	Non-Potable Water	03/11/25 09:46	19	4/7/2025
W503120-03	B4KXW9 I25-012	Anions by EPA 300	Non-Potable Water	03/11/25 10:51	19	4/7/2025