



**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

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May 23, 2025

1301 Academy St.  
Fort Collins, CO 80525  
800-288-2657  
lglazier@cgrs.com

**Project Manager :** Lauren Glazier  
**Project Name :** Copperland Resources 909J 2025  
**Project Number :** N/A

Attached are the analytical results for Copperland Resources 909J 2025 N/A received by Elevation Diagnostics, Division of Environmental Testing on April 23, 2025. This is associated with Elevation's number AA21433 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing



# Chain of Custody Form


# Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045  
800.440.5184

Client: CGRS  
Address: 1301 Academy Ct  
City/State/ZIP: Fort Collins, CO 80525  
Phone: 315-657-4720  
Project Contact: Lauren Glazier

Project Name: Copperland Resources 909j 2025  
Project Location: \_\_\_\_\_  
Collector Name: \_\_\_\_\_

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested										Notes		
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Other	pH, Conductivity	TDS, TSS, Alkalinity	Br, Cl, F, SO <sub>4</sub> , P, NO <sub>3</sub> , NO <sub>2</sub>	Sum of NO <sub>3</sub> & NO <sub>2</sub>	Ca, Fe, Mg, Mn, K, Na, Ba, B, Se, Sr	BTEX - N	TPH (GRO, ORO, DRO)	Ra 226, Ra 228					
1	CHRISTIANSON	4/22/25	9:15	10	6	3	1		X			X	X	X	X	X	X	X	X	X	X	X	X	N-BTEX Includes- o-xylene, m-+p-xylene, total xylenes, and Naphthalene 909J table 3-1 ECMC Facility ID:
2	LINDA 2	4/22/25	11:00	10	6	3	1		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	290620 237995
3	<del>MANABIA</del>																							
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Relinquished By: <u>Lauren Glazier</u> Date/Time: <u>4-22-25</u> <u>4:20</u>	Relinquished By: _____ Date/Time: _____	Relinquished By: _____ Date/Time: _____	Scan to Deliver Samples 
<b>Lab Use Only</b> Observed Temperature Upon Receipt: <u>10.4°C</u> Corrected Temperature Upon Receipt: <u>11.7°C</u> Thermometer #: <u>EDXE0238</u> Correction Factor: <u>+1.3°C</u>	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No pH Checked: <input checked="" type="radio"/> Yes <input type="radio"/> No pH Adjusted: <input type="radio"/> Yes <input checked="" type="radio"/> No Name/Lot Number of Adjustment: _____	2025-04-23-003 10+ 205423	

EFOR-008.002

The results listed pertain only to the samples submitted to Elevation Diagnostics, Division of Environmental Testing as per the Chain of Custody attached. This report may only be duplicated in full.



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**Report Date :** 5/23/2025

**Report Time :** 11:47

**FINAL RESULTS REPORT**

**Project Manager:** Lauren Glazier

**Project Name:** Copperland Resources 909J 2025

**Project Number:** N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
<b>AA21433-1</b>	CHRISTIANSON	<b>Collected :</b> 04/22/2025	09:15				
Anions - Bromide		04/25/2025	12:35 10.00	<1.00 - RL1	mg/L	1.00	EPA 300.0
Anions - Chloride		04/25/2025	12:35 10.00	182.02	mg/L	0.20	EPA 300.0
Anions - Fluoride		04/25/2025	12:35 10.00	4.77	mg/L	0.10	EPA 300.0
Anions - Nitrate		04/25/2025	12:35 10.00	<1.00 - RL1	mg/L	1.00	EPA 300.0
Anions - Nitrite		04/25/2025	12:35 10.00	<1.00 - RL1	mg/L	1.00	EPA 300.0
Anions - Sulfate		04/25/2025	12:35 10.00	28.24	mg/L	0.20	EPA 300.0
Bicarbonate Alkalinity		04/30/2025	14:02	829.80	mg/L		SM 2320B
Carbonate Alkalinity		04/30/2025	14:04	0.00	mg/L		SM 2320B
Conductivity		04/30/2025	13:45	2270	µS/cm	20	EPA 9050A & 120.1
Nitrate as Nitrogen		05/02/2025	13:16 10.00	<0.23 - RL1			
Nitrate, Anions		05/02/2025	13:16 10.00	<1.00 - RL1			
Nitrite as Nitrogen		05/02/2025	13:16 10.00	<0.30 - RL1			
Nitrite, Anions		05/02/2025	13:16 10.00	<1.00 - RL1			
pH, Water Temperature		04/30/2025	13:57	12.4	°C		
pH, Water		04/30/2025	13:57	7.69 - H1	S.U.	0.01	EPA9040C, EPA150.1
Sum of Nitrate and Nitrite as Nitrogen		05/02/2025	16:16	<0.30			
Total Alkalinity		04/30/2025	14:00	829.80	mg/L		SM 2320B
Total Dissolved Solids		04/29/2025	13:10	1216	mg/L	10.00	SM2540C, EPA160.1
Total Suspended Solids		04/25/2025	10:28	<4.00	mg/L	4.00	SM2540D, EPA160.2
<b>AA21433-2</b>	CHRISTIANSON	<b>Collected :</b> 04/22/2025	09:15				
Total Metals, Aqueous - Barium		04/28/2025	10:13 2.00	14.68	µg/L	0.283	EPA3010A&3005A
Total Metals, Aqueous - Boron		04/28/2025	10:13 2.00	180.17	µg/L	10.000	EPA3010A&3005A
Total Metals, Aqueous - Calcium		04/28/2025	10:13 100.00	9412.51	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Iron		04/28/2025	10:13 2.00	<10.00	µg/L	10.000	EPA3010A&3005A
Total Metals, Aqueous - Magnesium		04/28/2025	10:13 2.00	69.86	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Manganese		04/28/2025	10:13 2.00	3.63	µg/L	0.500	EPA3010A&3005A
Total Metals, Aqueous - Phosphorous		04/28/2025	10:13 2.00	Not Detected - RL1	µg/L	20.00	EPA3010A&3005A
Total Metals, Aqueous - Potassium		04/28/2025	10:13 10.00	2928.27	µg/L	25.000	EPA3010A&3005A
Total Metals, Aqueous - Selenium		04/28/2025	10:13 2.00	Not Detected - RL1	µg/L	1.97	EPA3010A&3005A
Total Metals, Aqueous - Sodium		04/28/2025	10:13 10,000.00	950207.44	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Strontium		04/28/2025	10:13 2.00	15.84	µg/L	0.250	EPA3010A&3005A
<b>AA21433-3</b>	CHRISTIANSON	<b>Collected :</b> 04/22/2025	09:15				
DRO/ORO, Aqueous - DRO		05/01/2025	16:03	9.64	mg/L	0.613	EPA 8015D, TCEQ
DRO/ORO, Aqueous - ORO		05/01/2025	16:03	<12.264	mg/L	12.264	EPA 8015D, TCEQ
Volatile Organic Compounds - Benzene		04/29/2025	18:14 10.00	Not Detected - RL1	µg/L	10.0	EPA 8260d
Volatile Organic Compounds - Ethylbenzene		04/29/2025	18:14 10.00	21.87	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Gasoline Range Organics		04/29/2025	18:14 10.00	<2258.0 - RL1	µg/L	2258.0	EPA 8260d
Volatile Organic Compounds - m&p-Xylene		04/29/2025	18:14 10.00	<18.10 - RL1	µg/L	18.10	EPA 8260d
Volatile Organic Compounds - Naphthalene		04/29/2025	18:14 10.00	<5.00 - RL1	µg/L	5.00	EPA 8260d
Volatile Organic Compounds - o-Xylene		04/29/2025	18:14 10.00	<9.90 - RL1	µg/L	9.90	EPA 8260d
Volatile Organic Compounds - Toluene		04/29/2025	18:14 10.00	<10.00 - RL1	µg/L	10.00	EPA 8260d
Volatile Organic Compounds - Xylenes, total		04/29/2025	18:14 10.00	<28.0 - RL1	µg/L	28.0	EPA 8260d
<b>AA21433-4</b>	CHRISTIANSON	<b>Collected :</b> 04/22/2025	09:15				



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**FINAL RESULTS REPORT**

**Project Manager:** Lauren Glazier

**Project Name:** Copperland Resources 909J 2025

**Project Number:** N/A

Sample ID	Customer ID	Collected		Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start						Recovery
Radium-226		05/13/2025	12:16		-0.0248 - l	pCi/L	1.00	EPA 903.1
Radium-228		05/13/2025	12:16		1.61 - l	pCi/L	3.00	EPA 904.0



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**Project Manager:** Lauren Glazier

**Project Name:** Copperland Resources 909J 2025

**Project Number:** N/A

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>ALKALINITY-8360</b>										
DUP	AA21392	999.73		mg CaCO3/L					0.40694	- 20
LCS	AA21930	42.84		mg CaCO3/L	40.00		107	80 - 120		
LCS	AA21931	959.15		mg CaCO3/L	1000.00		95.9	80 - 120		
<b>CONDUCTANCE_EPA-8361</b>										
DUP	AA21392	4400	20	µS/cm					0.45558	-5 - 5
LCS	AA21933	10850	20	µS/cm	10012		108	80 - 115		
LCS	AA21934	10950	20	µS/cm	10012		109	80 - 115		
<b>PH_W-8362</b>										
DUP	AA21392	7.72	0.01	S.U.					1.2870	-5 - 5
LCS	AA21936	6.78	0.01	S.U.	6.86		98.8	95 - 105		
LCS	AA21937	6.84	0.01	S.U.	6.86		99.7	95 - 105		
<b>TDS-8290</b>										
MB	AA21705	Not Detected	10.00	mg/L						
LCS	AA21706	480	10	mg/L	500		96.0	85 - 115		
DUP	AA21707	480		mg/L					3.88	- 20
LCS	AA21707	499	10	mg/L	500		99.8	85 - 115		
<b>TSS-8253</b>										
MB	AA21602	Not Detected	4	mg/L						
LCS	AA21603	488		mg/L	500		97.6	85 - 115		
DUP	AA21604	488		mg/L					9.0020	- 20
LCS	AA21604	534		mg/L	500		107	85 - 115		



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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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**ANIONS-8233**

**AA21436**

Dup	Nitrate	101.97		ppm		<5.00			7.68	- 15
Dup	Nitrite	104.39		ppm		<5.00			7.28	- 15
Matrix Spike	Nitrate	94.43		ppm	100	<5.00	94.4	80 - 120		
Matrix Spike	Nitrite	97.06		ppm	100	<5.00	97.1	80 - 120		

**AA21476**

MB	Bromide	Not Detected		ppm						
MB	Chloride	0.00		ppm						
MB	Fluoride	0.01		ppm						
MB	Nitrate	0.01		ppm						
MB	Nitrite	Not Detected		ppm						
MB	Sulfate	Not Detected		ppm						

**AA21477**

LCS	Bromide	2.03		ppm			102	90 - 110		
LCS	Chloride	1.97		ppm			98.5	90 - 110		
LCS	Fluoride	2.18		ppm			109	90 - 110		
LCS	Nitrate	1.98		ppm			99.0	90 - 110		
LCS	Nitrite	2.01		ppm			100	90 - 110		
LCS	Sulfate	2.07		ppm			104	90 - 110		

**AA21478**

LCS	Bromide	2.08		ppm			104	90 - 110		
LCS	Chloride	2.01		ppm			100	90 - 110		
LCS	Fluoride	1.95		ppm			97.5	90 - 110		
LCS	Nitrate	2.00		ppm			100	90 - 110		
LCS	Nitrite	2.02		ppm			101	90 - 110		
LCS	Sulfate	2.13		ppm			106	90 - 110		

**DRO ORO AQUEOUS-8313**

**AA21258**

Matrix Spike	DRO	47.16		mg/L	35	2.05	129			
Matrix Spike	ORO	44.73		mg/L	35	Not Detected	128			
MSD	DRO	47.40		mg/L		2.05			.50761421319	
MSD	ORO	47.58		mg/L		Not Detected			.17484562885	

**AA21814**

MB	DRO	Not Detected		mg/L						
MB	ORO	Not Detected		mg/L						

**AA21815**

LCS	DRO	43.75		mg/L			125	70 - 130		
LCS	ORO	42.81		mg/L			122	50 - 150		

**AA21816**

LCS	DRO	44.33		mg/L			127	70 - 130		
LCS	ORO	38.09		mg/L			109	50 - 150		

**METALS W-8235**

**AA21472**

Dup	Arsenic	110.99	0.000	µg/L		2.01			0.476	0 - 15
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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Phosphorous	298.75	0.000	µg/L		179.57			11.3	0 - 15
Matrix Spike	Arsenic	111.52	0.000	µg/L	100	2.01	109.5100	80 - 120		
Matrix Spike	Phosphorous	266.92	0.000	µg/L	100	179.57	87.3500	80 - 120		

**AA21498**

MB	Arsenic	0.00		µg/L						
MB	Barium	0.00		µg/L						
MB	Boron	0.08		µg/L						
MB	Calcium	13.25		µg/L						
MB	Iron	0.38		µg/L						
MB	Magnesium	2.17		µg/L						
MB	Manganese	0.10		µg/L						
MB	Phosphorous	-0.70		µg/L						
MB	Potassium	20.37		µg/L						
MB	Selenium	-0.03		µg/L						
MB	Sodium	15.71		µg/L						
MB	Strontium	0.10		µg/L						

**AA21500**

LCS	Arsenic	90.39	0.100	µg/L			100	80 - 120		
LCS	Barium	92.50	0.025	µg/L			103	80 - 120		
LCS	Boron	90.82	25.000	µg/L			101	80 - 120		
LCS	Calcium	892.74	25.000	µg/L			99.2	80 - 120		
LCS	Iron	97.99	20.000	µg/L			109	80 - 120		
LCS	Magnesium	89.01	25.000	µg/L			98.9	80 - 120		
LCS	Manganese	93.79	0.050	µg/L			104	80 - 120		
LCS	Phosphorous	88.14	10.000	µg/L			97.9	80 - 120		
LCS	Potassium	76.20	25.000	µg/L			84.7	80 - 120		
LCS	Selenium	88.02	1.000	µg/L			97.8	80 - 120		
LCS	Sodium	97.03	25.000	µg/L			108	80 - 120		
LCS	Strontium	93.65	0.025	µg/L			104	80 - 120		

**AA21501**

LCS	Arsenic	99.79	0.100	µg/L			111	80 - 120		
LCS	Barium	98.35	0.025	µg/L			109	80 - 120		
LCS	Boron	88.33	25.000	µg/L			98.1	80 - 120		
LCS	Calcium	850.22	25.000	µg/L			94.5	80 - 120		
LCS	Iron	99.65	20.000	µg/L			111	80 - 120		
LCS	Magnesium	81.53	25.000	µg/L			90.6	80 - 120		
LCS	Manganese	92.21	0.050	µg/L			102	80 - 120		
LCS	Phosphorous	76.25	10.000	µg/L			84.7	80 - 120		
LCS	Potassium	86.57	25.000	µg/L			96.2	80 - 120		
LCS	Selenium	94.89	1.000	µg/L			105	80 - 120		
LCS	Sodium	102.21	25.000	µg/L			114	80 - 120		
LCS	Strontium	96.88	0.025	µg/L			108	80 - 120		

**VOC\_8260\_W-8278**

<b>AA21376</b>										
Dup	1,2-Dichloroethane	0.044		mg/L		Not Detected			24.0	- 30
Dup	Benzene	0.059		mg/L		Not Detected			<%MDL%	- 30



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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Ethylbenzene	0.047		mg/L		<0.0010			<%MDL%	- 30
Dup	Gasoline Range Organic	2.72		µg/L		<0.23			1.46	
Dup	m&p-Xylene	0.093		µg/L		<0.0018			<%MDL%	- 30
Dup	Naphthalene	0.050		mg/L		Not Detected			6.19	- 30
Dup	o-Xylene	0.046		µg/L		<0.00099			10.3	- 30
Dup	Toluene	0.051		mg/L		<0.0010			1.98	- 30
Dup	Xylene, total	0.139		µg/L					3.53	- 30
Matrix Spike	1,2-Dichloroethane	0.056		mg/L	0.050	Not Detected	112	70 - 130		
Matrix Spike	Benzene	0.059		mg/L	0.050	Not Detected	118	70 - 130		
Matrix Spike	Ethylbenzene	0.047		mg/L	0.050	<0.0010	94.0	70 - 130		
Matrix Spike	Gasoline Range Organic	2.76		mg/L	2.54	<0.23	109			
Matrix Spike	m&p-Xylene	0.093		mg/L	0.100	<0.0018	93.0	70 - 130		
Matrix Spike	Naphthalene	0.047		mg/L	0.050	Not Detected	94.0	70 - 130		
Matrix Spike	o-Xylene	0.051		mg/L	0.050	<0.00099	102	70 - 130		
Matrix Spike	Toluene	0.050		mg/L	0.050	<0.0010	100	70 - 130		
Matrix Spike	Xylene, total	0.144		mg/L						

**AA21644**

MB	1,1,1-Trichloroethane	Not Detected		µg/L						
MB	1,1,2-Trichloroethane	Not Detected		µg/L						
MB	1,1-Dichloroethene	Not Detected		µg/L						
MB	1,2-Dichloroethane	Not Detected		µg/L						
MB	1,2-Dichloropropane	Not Detected		µg/L						
MB	2-Hexanone	Not Detected		µg/L						
MB	Acetone	Not Detected		µg/L						
MB	Benzene	Not Detected		µg/L						
MB	Chlorobenzene	Not Detected		µg/L						
MB	cis-1,2-Dichloroethene	Not Detected		µg/L						
MB	Dichloromethane	Not Detected		µg/L						
MB	Ethylbenzene	Not Detected		µg/L						
MB	Gasoline Range Organic	25.80		µg/L						
MB	m&p-Xylene	<1.81		µg/L						
MB	Naphthalene	<0.50		µg/L						
MB	o-Xylene	<0.99		µg/L						
MB	Toluene	<1.00		µg/L						
MB	trans-1,2-Dichloroethene	Not Detected		µg/L						
MB	Vinyl chloride	Not Detected		µg/L						
MB	Xylene, total	<2.80		µg/L						

**AA21645**

LCS	1,1,1-Trichloroethane	56.65		µg/L			113	70 - 130		
LCS	1,1,2-Trichloroethane	52.59		µg/L			105	70 - 130		
LCS	1,1-Dichloroethene	63.42		µg/L			127	70 - 130		
LCS	1,2-Dichloroethane	56.37		µg/L			113	70 - 130		
LCS	1,2-Dichloropropane	53.88		µg/L			108	70 - 130		
LCS	2-Hexanone	49.04		µg/L			98.1	70 - 130		
LCS	Acetone	58.39		µg/L			117	70 - 130		
LCS	Benzene	55.05		µg/L			110	70 - 130		
LCS	Chlorobenzene	41.71		µg/L			83.4	70 - 130		



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**Project Number:** N/A

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	cis-1,2-Dichloroethene	56.53		µg/L			113	70 - 130		
LCS	Dichloromethane	56.01		µg/L			112	70 - 130		
LCS	Ethylbenzene	46.37		µg/L			92.7	70 - 130		
LCS	Gasoline Range Organics	265.89		µg/L			105			
LCS	m&p-Xylene	89.18		µg/L			89.2	70 - 130		
LCS	Naphthalene	43.16		µg/L			86.3	70 - 130		
LCS	o-Xylene	50.74		µg/L			101	70 - 130		
LCS	Toluene	46.67		µg/L			93.3	70 - 130		
LCS	trans-1,2-Dichloroethene	60.73		µg/L			121	70 - 130		
LCS	Trichloroethene	53.68		µg/L			107	70 - 130		
LCS	Vinyl chloride	54.57		µg/L			109	70 - 130		
LCS	Xylene, total	139.92		µg/L			93.3	70 - 130		

**AA21646**

LCS	1,1,1-Trichloroethane	52.03		µg/L			104	70 - 130		
LCS	1,1,2-Trichloroethane	53.66		µg/L			107	70 - 130		
LCS	1,1-Dichloroethene	36.29		µg/L			72.6	70 - 130		
LCS	1,2-Dichloroethane	56.91		µg/L			114	70 - 130		
LCS	1,2-Dichloropropane	57.66		µg/L			115	70 - 130		
LCS	2-Hexanone	48.72		µg/L			97.4	70 - 130		
LCS	Acetone	58.06		µg/L			116	70 - 130		
LCS	Benzene	59.93		µg/L			120	70 - 130		
LCS	Chlorobenzene	49.01		µg/L			98.0	70 - 130		
LCS	cis-1,2-Dichloroethene	55.58		µg/L			111	70 - 130		
LCS	Dichloromethane	56.78		µg/L			114	70 - 130		
LCS	Ethylbenzene	47.82		µg/L			95.6	70 - 130		
LCS	Gasoline Range Organics	292.90		µg/L			110			
LCS	m&p-Xylene	96.59		µg/L			96.6	70 - 130		
LCS	Naphthalene	45.68		µg/L			91.4	70 - 130		
LCS	o-Xylene	52.56		µg/L			105	70 - 130		
LCS	Toluene	52.86		µg/L			106	70 - 130		
LCS	trans-1,2-Dichloroethene	61.96		µg/L			124	70 - 130		
LCS	Trichloroethene	55.94		µg/L			112	70 - 130		
LCS	Xylene, total	149.15		µg/L			99.4	70 - 130		



**Division of Environmental Testing**

2115 N Scranton St Suite 3040A  
 Aurora, CO 80045  
 800-440-5184

**Report Date :** 5/23/2025

**Report Time :** 11:47

**FINAL RESULTS REPORT**

**Project Manager:** Lauren Glazier

**Project Name:** Copperland Resources 909J 2025

**Project Number:** N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name	Analysis Start	Recovery					

Qualifier	Explanation
H1	Sample received outside of regulatory holding time.
H2	Sample analyzed outside of regulatory holding time due to a laboratory error.
P1	Sample received outside temperature requirements, 0-6°C.
P2	Sample received unpreserved.
P3	Broken or leaking sample container.
P4	Sample improperly collected
P5	Sample incorrectly preserved
B1	Blank failed high, indicating possible high bias in sample results.
B2	Blank failed low, indicating possible low bias in sample results.
MS	Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
D1	Duplicate RPD limit exceeded due to low sample concentration.
D2	Duplicate RPD limit exceeded due to matrix interference.
S	Surrogate recovery failed, indicating potential matrix interference.
RL1	Reporting limits raised due to matrix interference.
RL2	Reporting limits raised due to limited sample.
U	Sample result less than method detection limit.
J	Sample result less than reporting limit but higher than method detection limit.
E	Electronic loss or corruption of data.
I	Subcontracted sample