Division of Environmental Testing
2115 N Scranton St Suite 3040A
Aurora, CO 80045
800-440-5184

April 01, 2025

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

Project Manager :	Lauren Glazier
Project Name :	Timka Resources 909J 2025
Project Number :	29368

Attached are the analytical results for Timka Resources 909J 2025 29368 received by Elevation Diagnostics, Division of Environmental Testing on March 06, 2025. This is associated with Elevation's number AA18472 .

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: TIMKA RESOURCES 909J 2025 # 29368
Project Location:
Collector Name: Jeremy Eisele

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: pH, Conductivity	Analysis Requested: TDS, TSS, Alkalinity	Analysis Requested: Br, Cl, F, SO_4, P, NO_2,	Analysis Requested: Sum of NO_3 & NO_2	Analysis Requested: Ca, Fe, Mg, Mn, K, Na, Ba, B, Se, Sr	Analysis Requested: BTEX - N	Analysis Requested: TPH (GRO, ORO, DRO)	Analysis Requested: Ra 226, Ra 228	Notes
1	Theurer Farms	3-5-25	9:35 am	10	6	5	1		X			X	X	X	X	X	X	X	X	236630
2	Theurer Federal	3-5-25	9:10 am	10	6	53	1		X			X	X	X	X	X	X	X	X	236820
3	Theurer 1-B	3-5-25	8:40	10	6	53	1		X			X	X	X	X	X	X	X	X	159174
4																				
5																				*please report each
6																				sample ON ITS OWN report/EDD
7																				
8	AA18470																			
9	AA18471																			
10	AA18472																			

Relinquished By: Jeremy Eisele
Date/Time: 3-5-25 4:45pm

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only
Observed Temperature Upon Receipt: 2.2°C
Corrected Temperature Upon Receipt: 3.5°C
Thermometer #: EDXEQ238
Correction Factor: +1.3°C

Samples Intact: (Yes) No
pH Checked: (Yes) No 10+ 2044624
pH Adjusted: Yes (No)
Name/Lot Number of Adjustment:

2025-03-06-008

EFOR-008.002

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FINAL RESULTS REPORT

Report Date : 4/1/2025
Report Time : 12:44

Project Manager: Lauren Glazier **Project Name:** Timka Resources 909J 2025 **Project Number:** 29368

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA18472-1	Theurer 1-B	**Collected :** 03/05/2025 08:40					
Anions - Bromide		03/07/2025 11:24	10.00	3.22	mg/L	0.10	EPA 300.0
Anions - Chloride		03/07/2025 11:24	10.00	479.10	mg/L	0.20	EPA 300.0
Anions - Fluoride		03/07/2025 11:24	10.00	6.65	mg/L	0.10	EPA 300.0
Anions - Nitrate		03/07/2025 11:24	10.00	<1.00 - RL1	mg/L	1.00	EPA 300.0
Anions - Nitrite		03/07/2025 11:24	10.00	<1.00 - RL1	mg/L	1.00	EPA 300.0
Anions - Sulfate		03/07/2025 11:24	10.00	<2.00 - RL1	mg/L	2.00	EPA 300.0
Bicarbonate Alkalinity		03/07/2025 13:13		1380.17	mg/L		SM 2320B
Carbonate Alkalinity		03/07/2025 13:16		0	mg/L		SM 2320B
Conductivity		03/10/2025 16:10		4220	µS/cm	20	EPA 9050A & 120.1
Nitrate as Nitrogen		03/10/2025 12:04	10.00	<0.23 - RL1			
Nitrate, Anions		03/10/2025 12:04		<1.00			
Nitrite as Nitrogen		03/10/2025 12:04	10.00	<0.30 - RL1			
Nitrite, Anions		03/10/2025 12:04		<1.00			
pH, Water Temperature		03/07/2025 13:02		17.1	°C		
pH, Water		03/07/2025 13:02		7.94 - H1	S.U.	0.01	EPA9040C, EPA150.1
Sum of Nitrate and Nitrite as Nitrogen		03/10/2025 12:04	10.00	<0.30 - RL1			
Total Alkalinity		03/07/2025 13:05		1380.17	mg/L		SM 2320B
Total Dissolved Solids		03/11/2025 10:27		2360	mg/L	10.00	SM2540C, EPA160.1
Total Suspended Solids		03/07/2025 12:02		9	mg/L	4.00	SM2540D, EPA160.2
AA18472-2	Theurer 1-B	**Collected :** 03/05/2025 08:40					
Total Metals, Aqueous - Barium		03/13/2025 13:28	10.00	486.70	µg/L	0.283	EPA3010A&3005A
Total Metals, Aqueous - Boron		03/13/2025 13:28	10.00	3330.44	µg/L	10.000	EPA3010A&3005A
Total Metals, Aqueous - Calcium		03/13/2025 13:28	100.00	6416.96	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Iron		03/13/2025 13:28	10.00	313.21	µg/L	10.000	EPA3010A&3005A
Total Metals, Aqueous - Magnesium		03/13/2025 13:28	10.00	827.71	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Manganese		03/13/2025 13:28	10.00	18.99	µg/L	0.500	EPA3010A&3005A
Total Metals, Aqueous - Phosphorous		03/13/2025 13:28	10.00	<100.00 - RL1	µg/L	100.00	EPA3010A&3005A
Total Metals, Aqueous - Potassium		03/13/2025 13:28	10.00	4753.46	µg/L	25.000	EPA3010A&3005A
Total Metals, Aqueous - Selenium		03/13/2025 13:28	10.00	Not Detected - RL1	µg/L	9.85	EPA3010A&3005A
Total Metals, Aqueous - Sodium		03/13/2025 13:28	10,000.00	1178503.87	µg/L	20.000	EPA3010A&3005A
Total Metals, Aqueous - Strontium		03/13/2025 13:28	10.00	309.14	µg/L	0.250	EPA3010A&3005A
AA18472-3	Theurer 1-B	**Collected :** 03/05/2025 08:40					
DRO/ORO, Aqueous - DRO		03/13/2025 13:41		Not Detected	mg/L	0.613	EPA 8015D, TCEQ
DRO/ORO, Aqueous - ORO		03/13/2025 13:41		Not Detected	mg/L	12.264	EPA 8015D, TCEQ
Gasoline Range Organics, Aqueous		03/10/2025 16:45		1096.31	µg/L	225.80	EPA 8260
Volatile Organic Compounds - Benzene		03/11/2025 13:14		10.75	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Ethylbenzene		03/11/2025 13:14		3.44	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - m&p-Xylene		03/11/2025 13:14		11.51	µg/L	1.81	EPA 8260d
Volatile Organic Compounds - Naphthalene		03/11/2025 13:14		2.30	µg/L	0.50	EPA 8260d
Volatile Organic Compounds - o-Xylene		03/11/2025 13:14		4.08	µg/L	0.99	EPA 8260d
Volatile Organic Compounds - Toluene		03/11/2025 13:14		16.53	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Xylenes, total		03/11/2025 13:14		15.59	µg/L	2.80	EPA 8260d
AA18472-4	Theurer 1-B	**Collected :** 03/05/2025 08:40					

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Project Manager: Lauren Glazier **Project Name:** Timka Resources 909J 2025 **Project Number:** 29368

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
Radium-226		04/01/2025	06:21		4.34 - I	pCi/L	1.00	EPA 903.1
Radium-228		04/01/2025	06:21		0.924 - I,U	pCi/L	3.00	EPA 904.0

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Project Manager: Lauren Glazier **Project Name:** Timka Resources 909J 2025 **Project Number:** 29368

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
ALKALINITY-7394										
DUP	AA18468	1587.38		mg CaCO3/L					0.23282	
LCS	AA18474	43.48		mg CaCO3/L	40		109			
LCS	AA18475	1006.45		mg CaCO3/L	1000		101			
CONDUCTANCE_EPA-7431										
DUP	AA18468	11620	20	µS/cm					0.51769	-5 - 5
LCS	AA18623	9720	20	µS/cm	10012		97.1	80 -		
LCS	AA18624	9740	20	µS/cm	10012		97.3	80 -		
GRO-7405										
DUP	AA18470	4271.17		µg/L					1.8392	
Matrix Spike	AA18470	4193.33		µg/L	3400		104			
MB	AA18534	Not Detected		µg/L						
LCS	AA18535	3458.49		µg/L	3400		102			
LCS	AA18536	3649.41		µg/L	3400		107			
PH_W-7413										
DUP	AA18468	7.83	0.01	S.U.					0.89801	-5 - 5
LCS	AA18544	6.85	0.01	S.U.	6.86		99.9	95 - 105		
LCS	AA18545	6.85	0.01	S.U.	6.86		99.9	95 - 105		
TDS-7419										
MB	AA18565	Not Detected	10.00	mg/L						
LCS	AA18566	483	10	mg/L	500		96.6	85 - 115		
DUP	AA18567	483		mg/L					0.207	
LCS	AA18567	484	10	mg/L	500		96.8	85 - 115		
TSS-7399										
MB	AA18511	Not Detected	4	mg/L						
LCS	AA18512	498		mg/L	500		99.6	85 - 115		
DUP	AA18513	498		mg/L					4.5175	
LCS	AA18513	476		mg/L	500		95.2	85 - 115		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
ANIONS-7396										
AA18468										
Dup	Bromide	39.21		ppm		21.11			0.306	
Dup	Chloride	2890.80		ppm		2719.80			1.39	
Dup	Fluoride	18.57		ppm		1.40			0.0539	
Dup	Nitrate	18.39		ppm		<1.00			0.327	
Dup	Nitrite	151.39		ppm		<1.00			6.30	
Dup	Sulfate	21.52		ppm		<2.00			1.93	
Matrix Spike	Bromide	39.33		ppm	20.00	21.11	91.1			
Matrix Spike	Chloride	2931.36		ppm	202.00	2719.80	105			
Matrix Spike	Fluoride	18.56		ppm	20.00	1.40	85.8			
Matrix Spike	Nitrate	18.33		ppm	20.00	<1.00	91.6			
Matrix Spike	Nitrite	142.14		ppm	202.00	<1.00	70.4			
Matrix Spike	Sulfate	21.94		ppm	20.00	<2.00	110			
AA18479										
MB	Bromide	Not Detected		ppm						
MB	Chloride	0.04		ppm						
MB	Fluoride	Not Detected		ppm						
MB	Nitrate	Not Detected		ppm						
MB	Nitrite	Not Detected		ppm						
MB	Sulfate	Not Detected		ppm						
AA18480										
LCS	Bromide	1.85		ppm			92.5			
LCS	Chloride	1.80		ppm			90.0			
LCS	Fluoride	1.86		ppm			93.0			
LCS	Nitrate	1.86		ppm			93.0			
LCS	Nitrite	1.89		ppm			94.5			
LCS	Sulfate	1.86		ppm			93.0			
AA18481										
LCS	Bromide	1.86		ppm			93.0			
LCS	Chloride	1.86		ppm			93.0			
LCS	Fluoride	1.87		ppm			93.5			
LCS	Nitrate	1.86		ppm			93.0			
LCS	Nitrite	1.89		ppm			94.5			
LCS	Sulfate	1.92		ppm			96.0			
DRO_ORO_AQUEOUS-7427										
AA18469										
Matrix Spike	DRO	65.23		mg/L	35	21.39	125			
Matrix Spike	ORO	68.90		mg/L	35	21.86	134			
MSD	DRO	73.13		mg/L		21.39			1.4194854004	
MSD	ORO	75.28		mg/L		21.86			.85004855042	
AA18614										
MB	DRO	Not Detected		mg/L						
MB	ORO	Not Detected		mg/L						
AA18615										
LCS	DRO	28.79		mg/L			82.3			

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	ORO	32.79		mg/L			93.7			
AA18616										
LCS	DRO	36.45		mg/L			104			
LCS	ORO	33.82		mg/L			96.6			
METALS_W-7460										
AA18468										
Dup	Barium	1078.98	0.000	µg/L		611.96			0.809	0 - 15
Dup	Boron	10525.02	0.000	µg/L		6147.76			4.32	0 - 15
Dup	Calcium	642691.44	0.000	µg/L		33815.43			2.14	0 - 15
Dup	Iron	1261.63	0.000	µg/L		960.58			3.17	0 - 15
Dup	Magnesium	2775.14	0.000	µg/L		2362.48			0.705	0 - 15
Dup	Manganese	440.63	0.000	µg/L		38.51			0.250	0 - 15
Dup	Phosphorous	442.82	0.000	µg/L		<100.00			1.99	0 - 15
Dup	Potassium	15639.27	0.000	µg/L		10018.70			8.81	0 - 15
Dup	Selenium	391.15	0.000	µg/L		Not Detected			1.23	0 - 15
Dup	Sodium	3481689.53	0.000	µg/L		2861265.91			8.43	0 - 15
Dup	Strontium	1663.10	0.000	µg/L		1295.48			1.76	0 - 15
Matrix Spike	Barium	1087.74	0.000	µg/L	400	611.96	118.94500	80 - 120		
Matrix Spike	Boron	10080.42	0.000	µg/L	4000	6147.76	98.316500	80 - 120		
Matrix Spike	Calcium	629061.85	0.000	µg/L	600000	33815.43	9.2077366666	80 - 120		
Matrix Spike	Iron	1302.21	0.000	µg/L	400	960.58	85.407500	80 - 120		
Matrix Spike	Magnesium	2794.76	0.000	µg/L	400	2362.48	108.0700	80 - 120		
Matrix Spike	Manganese	439.53	0.000	µg/L	400	38.51	100.25500	80 - 120		
Matrix Spike	Phosphorous	451.74	0.000	µg/L	400	<100.00	112.93500	80 - 120		
Matrix Spike	Potassium	14320.22	0.000	µg/L	4000	10018.70	107.53800	80 - 120		
Matrix Spike	Selenium	386.36	0.000	µg/L	400	Not Detected	96.5900	80 - 120		
Matrix Spike	Sodium	3200076.22	0.000	µg/L	400000	2861265.91	84.702577500	80 - 120		
Matrix Spike	Strontium	1692.66	0.000	µg/L	400	1295.48	99.29500	80 - 120		
AA18717										
MB	Barium	-0.03		µg/L						
MB	Boron	0.01		µg/L						
MB	Calcium	-39.53		µg/L						
MB	Iron	2.12		µg/L						
MB	Magnesium	-2.55		µg/L						
MB	Manganese	0.04		µg/L						
MB	Phosphorous	-0.56		µg/L						
MB	Potassium	0.56		µg/L						
MB	Selenium	-0.43		µg/L						
MB	Sodium	-0.54		µg/L						
MB	Strontium	-0.02		µg/L						
AA18719										
LCS	Barium	89.13	0.025	µg/L			99.0	80 - 120		
LCS	Boron	91.91	25.000	µg/L			102	80 - 120		
LCS	Calcium	894.97	25.000	µg/L			99.4	80 - 120		
LCS	Iron	93.39	20.000	µg/L			104	80 - 120		
LCS	Magnesium	86.11	25.000	µg/L			95.7	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Manganese	95.35	0.050	µg/L			106	80 - 120		
LCS	Phosphorous	88.91	10.000	µg/L			98.8	80 - 120		
LCS	Potassium	94.80	25.000	µg/L			105	80 - 120		
LCS	Selenium	88.72	1.000	µg/L			98.6	80 - 120		
LCS	Sodium	88.08	25.000	µg/L			97.9	80 - 120		
LCS	Strontium	87.15	0.025	µg/L			96.8	80 - 120		
AA18720										
LCS	Barium	91.24	0.025	µg/L			101	80 - 120		
LCS	Boron	92.72	25.000	µg/L			103	80 - 120		
LCS	Calcium	911.16	25.000	µg/L			101	80 - 120		
LCS	Iron	94.94	20.000	µg/L			105	80 - 120		
LCS	Magnesium	87.73	25.000	µg/L			97.5	80 - 120		
LCS	Manganese	95.77	0.050	µg/L			106	80 - 120		
LCS	Phosphorous	87.13	10.000	µg/L			96.8	80 - 120		
LCS	Potassium	93.23	25.000	µg/L			104	80 - 120		
LCS	Selenium	87.79	1.000	µg/L			97.5	80 - 120		
LCS	Sodium	98.56	25.000	µg/L			110	80 - 120		
LCS	Strontium	86.63	0.025	µg/L			96.3	80 - 120		
VOC_8260_W-7404										
AA18471										
Dup	Benzene	68.37		µg/L		19.19			2.27	
Dup	Ethylbenzene	45.32		µg/L		4.68			6.88	
Dup	m&p-Xylene	77.44		µg/L		16.05			7.58	
Dup	Naphthalene	52.11		µg/L		3.61			2.06	
Dup	o-Xylene	30.24		µg/L		5.31			8.30	
Dup	Toluene	75.59		µg/L		22.01			0.531	
Dup	Xylene, total	100.68		µg/L					14.5	
Matrix Spike	Benzene	69.94		µg/L	50	19.19	102			
Matrix Spike	Ethylbenzene	48.55		µg/L	50	4.68	87.7			
Matrix Spike	m&p-Xylene	83.54		µg/L	100	16.05	67.5			
Matrix Spike	Naphthalene	51.05		µg/L	PENDING	3.61				
Matrix Spike	o-Xylene	32.86		µg/L	50	5.31	55.1			
Matrix Spike	Toluene	75.19		µg/L	50	22.01	106			
Matrix Spike	Xylene, total	116.40		µg/L						
AA18523										
MB	1,2-Dichloroethane	Not Detected		µg/L						
MB	Benzene	Not Detected		µg/L						
MB	Ethylbenzene	Not Detected		µg/L						
MB	m&p-Xylene	Not Detected		µg/L						
MB	Naphthalene	<0.50		µg/L						
MB	o-Xylene	Not Detected		µg/L						
MB	Toluene	<1.00		µg/L						
MB	Trichloroethene	Not Detected		µg/L						
MB	Xylene, total	Not Detected		µg/L						
AA18524										
LCS	1,2-Dichloroethane	53.47		µg/L			107			

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LCS	Benzene	38.16		µg/L			76.3			
LCS	Ethylbenzene	58.67		µg/L			117			
LCS	m&p-Xylene	100.26		µg/L			100			
LCS	Naphthalene	38.54		µg/L			77.1			
LCS	o-Xylene	42.07		µg/L			84.1			
LCS	Toluene	40.69		µg/L			81.4			
LCS	Trichloroethene	51.49		µg/L			103			
LCS	Xylene, total	142.33		µg/L			94.9			
AA18525										
LCS	1,2-Dichloroethane	56.43		µg/L			113			
LCS	Benzene	45.13		µg/L			90.3			
LCS	Ethylbenzene	61.26		µg/L			123			
LCS	m&p-Xylene	102.89		µg/L			103			
LCS	Naphthalene	47.53		µg/L			95.1			
LCS	o-Xylene	42.40		µg/L			84.8			
LCS	Toluene	49.38		µg/L			98.8			
LCS	Trichloroethene	61.01		µg/L			122			
LCS	Xylene, total	145.29		µg/L			96.9			

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