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15 June 2022

Sam Bollinger
Ogris Operating, LLC
21603 State Hwy 12
Trinidad, CO 81082
RE: Rule 909.j

Enclosed are the results of analyses for samples received by the laboratory on 05/13/22 10:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Brenna Kampf'.

Brenna Kampf
Project Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-22-14

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-22-15



Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
HR 25-05	2205184-01	Water	05/10/22 11:37	05/13/22 10:50	
HR 26-09v	2205184-02	Water	05/10/22 12:11	05/13/22 10:50	
HR 34-03	2205184-03	Water	05/10/22 13:00	05/13/22 10:50	
HR 34-16	2205184-04	Water	05/10/22 13:40	05/13/22 10:50	
HR 27-02v	2205184-05	Water	05/10/22 14:20	05/13/22 10:50	
HR 17-14	2205184-06	Water	05/10/22 12:05	05/13/22 10:50	
HR 17-09	2205184-07	Water	05/10/22 12:41	05/13/22 10:50	
HR 16-12v	2205184-08	Water	05/10/22 12:41	05/13/22 10:50	
HR 16-07V-2	2205184-09	Water	05/10/22 13:23	05/13/22 10:50	

Green Analytical Laboratories

Brenna Kampf, Project Manager

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Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 25-05

2205184-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1210	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	30.0	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1240	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Bromide	1.29	0.200	0.0548	mg/L	2	05/20/22 04:45	EPA300.0		AES
Chloride*	180	4.00	0.122	mg/L	4	05/20/22 09:56	EPA300.0		AES
Conductivity*	2700	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	4.71	0.200	0.0194	mg/L	2	05/20/22 04:45	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:01	EPA353.2		AES
pH*	7.67			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	24.0			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	<0.0500	0.0500	0.0164	mg P/L	1	05/24/22 12:10	EPA365.1		AES
Total Dissolved Solids*	1550	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/20/22 04:45	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	<0.600	0.600	0.186	mg/L	2	05/19/22 17:03	EPA200.7		AES
Calcium*	4.69	0.200	0.077	mg/L	2	05/19/22 17:03	EPA200.7		AES
Hardness as CaCO3	15.9	1.32	0.436	mg/L	2	05/19/22 17:03	2340 B		AES
Iron*	1.67	0.100	0.075	mg/L	2	05/19/22 17:03	EPA200.7		AES
Magnesium*	1.01	0.200	0.059	mg/L	2	05/19/22 17:03	EPA200.7		AES
Potassium*	2.52	2.00	0.355	mg/L	2	05/19/22 17:03	EPA200.7		AES
Sodium*	587	2.00	0.152	mg/L	2	05/19/22 17:03	EPA200.7		AES
Strontium*	0.666	0.200	0.036	mg/L	2	05/19/22 17:03	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.869	0.0005	0.0003	mg/L	1	05/20/22 13:52	EPA200.8		AES
Manganese*	0.0212	0.0020	0.0002	mg/L	1	05/20/22 13:52	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/20/22 13:52	EPA200.8		AES

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Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 25-05

2205184-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 21:19	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:19	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:19	8015B		MS
Surrogate: 1-Chlorooctane			88.2 %	44.9-146		05/17/22 21:19	8015B		MS
Surrogate: 1-Chlorooctadecane			97.3 %	39.8-162		05/17/22 21:19	8015B		MS

VOLATILES BY GC/MS

Benzene*	0.002	0.0005	0.00009	mg/L	1	05/18/22 16:50	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 16:50	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 16:50	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 16:50	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 16:50	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 16:50	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/18/22 16:50	8260B		MS
Surrogate: Dibromofluoromethane			97.9 %	82.4-141		05/18/22 16:50	8260B		MS
Surrogate: Toluene-d8			103 %	87.1-110		05/18/22 16:50	8260B		MS
Surrogate: 4-Bromofluorobenzene			105 %	76.4-114		05/18/22 16:50	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 26-09v

2205184-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1260	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	110	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1370	10.0	2.27	mg/L	5	05/24/22 13:20	2320 B		VJW
Bromide	1.21	0.200	0.0548	mg/L	2	05/20/22 05:05	EPA300.0		AES
Chloride*	137	4.00	0.122	mg/L	4	05/20/22 10:15	EPA300.0		AES
Conductivity*	2730	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	2.69	0.200	0.0194	mg/L	2	05/20/22 05:05	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:02	EPA353.2		AES
pH*	7.95			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	23.7			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	<0.0500	0.0500	0.0164	mg P/L	1	05/24/22 12:11	EPA365.1		AES
Total Dissolved Solids*	1600	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/20/22 05:05	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	<0.600	0.600	0.186	mg/L	2	05/19/22 17:07	EPA200.7		AES
Calcium*	5.19	0.200	0.077	mg/L	2	05/19/22 17:07	EPA200.7		AES
Hardness as CaCO3	16.1	1.32	0.436	mg/L	2	05/19/22 17:07	2340 B		AES
Iron*	0.404	0.100	0.075	mg/L	2	05/19/22 17:07	EPA200.7		AES
Magnesium*	0.770	0.200	0.059	mg/L	2	05/19/22 17:07	EPA200.7		AES
Potassium*	2.91	2.00	0.355	mg/L	2	05/19/22 17:07	EPA200.7		AES
Sodium*	636	2.00	0.152	mg/L	2	05/19/22 17:07	EPA200.7		AES
Strontium*	0.884	0.200	0.036	mg/L	2	05/19/22 17:07	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	1.19	0.0005	0.0003	mg/L	1	05/20/22 13:54	EPA200.8		AES
Manganese*	0.0098	0.0020	0.0002	mg/L	1	05/20/22 13:54	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/20/22 13:54	EPA200.8		AES

Green Analytical Laboratories

Brenna Kampf, Project Manager

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HR 26-09v

2205184-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 21:39	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:39	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:39	8015B		MS
Surrogate: 1-Chlorooctane			84.4 %	44.9-146		05/17/22 21:39	8015B		MS
Surrogate: 1-Chlorooctadecane			92.6 %	39.8-162		05/17/22 21:39	8015B		MS

VOLATILES BY GC/MS

Benzene*	0.003	0.0005	0.00009	mg/L	1	05/18/22 17:12	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:12	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 17:12	8260B		MS
m+p - Xylene*	0.002	0.001	0.0005	mg/L	1	05/18/22 17:12	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:12	8260B		MS
Total Xylenes*	0.002	0.002	0.0005	mg/L	1	05/18/22 17:12	8260B		MS
Naphthalene*	0.001	0.0005	0.00004	mg/L	1	05/18/22 17:12	8260B		MS
Surrogate: Dibromofluoromethane			105 %	82.4-141		05/18/22 17:12	8260B		MS
Surrogate: Toluene-d8			99.6 %	87.1-110		05/18/22 17:12	8260B		MS
Surrogate: 4-Bromofluorobenzene			97.4 %	76.4-114		05/18/22 17:12	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 34-03

2205184-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1170	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1170	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	0.468	0.200	0.0548	mg/L	2	05/23/22 13:59	EPA300.0		AES
Chloride*	44.6	2.00	0.0608	mg/L	2	05/23/22 13:59	EPA300.0		AES
Conductivity*	2100	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	3.67	0.200	0.0194	mg/L	2	05/23/22 13:59	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:04	EPA353.2		AES
pH*	7.95			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	21.8			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	0.0658	0.0500	0.0164	mg P/L	1	05/24/22 12:12	EPA365.1		AES
Total Dissolved Solids*	1200	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	6.40	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 13:59	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	0.376	0.300	0.093	mg/L	1	05/19/22 17:11	EPA200.7		AES
Calcium*	2.85	0.100	0.038	mg/L	1	05/19/22 17:11	EPA200.7		AES
Hardness as CaCO3	9.13	0.662	0.218	mg/L	1	05/19/22 17:11	2340 B		AES
Iron*	1.66	0.050	0.038	mg/L	1	05/19/22 17:11	EPA200.7		AES
Magnesium*	0.492	0.100	0.030	mg/L	1	05/19/22 17:11	EPA200.7		AES
Potassium*	2.06	1.00	0.178	mg/L	1	05/19/22 17:11	EPA200.7		AES
Sodium*	498	5.00	0.380	mg/L	5	05/24/22 14:14	EPA200.7		AES
Strontium*	0.500	0.100	0.018	mg/L	1	05/19/22 17:11	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.418	0.0005	0.0003	mg/L	1	05/20/22 13:55	EPA200.8		AES
Manganese*	0.0227	0.0020	0.0002	mg/L	1	05/20/22 13:55	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/20/22 13:55	EPA200.8		AES

Green Analytical Laboratories

Brenna Kampf, Project Manager

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HR 34-03

2205184-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 21:58	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:58	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 21:58	8015B		MS
Surrogate: 1-Chlorooctane			73.8 %	44.9-146		05/17/22 21:58	8015B		MS
Surrogate: 1-Chlorooctadecane			80.5 %	39.8-162		05/17/22 21:58	8015B		MS

VOLATILES BY GC/MS

Benzene*	0.002	0.0005	0.00009	mg/L	1	05/18/22 17:35	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:35	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 17:35	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 17:35	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:35	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 17:35	8260B		MS
Naphthalene*	0.001	0.0005	0.00004	mg/L	1	05/18/22 17:35	8260B		MS
Surrogate: Dibromofluoromethane			104 %	82.4-141		05/18/22 17:35	8260B		MS
Surrogate: Toluene-d8			101 %	87.1-110		05/18/22 17:35	8260B		MS
Surrogate: 4-Bromofluorobenzene			98.6 %	76.4-114		05/18/22 17:35	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 34-16

2205184-04 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1040	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	180	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1220	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	0.438	0.200	0.0548	mg/L	2	05/23/22 14:18	EPA300.0		AES
Chloride*	29.7	2.00	0.0608	mg/L	2	05/23/22 14:18	EPA300.0		AES
Conductivity*	2110	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	3.60	0.200	0.0194	mg/L	2	05/23/22 14:18	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:05	EPA353.2		AES
pH*	8.56			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	22.3			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	<0.0500	0.0500	0.0164	mg P/L	1	05/24/22 12:12	EPA365.1		AES
Total Dissolved Solids*	1220	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 14:18	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	0.360	0.300	0.093	mg/L	1	05/24/22 16:24	EPA200.7		AES
Calcium*	2.22	0.100	0.038	mg/L	1	05/24/22 16:24	EPA200.7		AES
Hardness as CaCO3	7.23	0.662	0.218	mg/L	1	05/24/22 16:24	2340 B		AES
Iron*	0.719	0.050	0.038	mg/L	1	05/24/22 16:24	EPA200.7		AES
Magnesium*	0.409	0.100	0.030	mg/L	1	05/24/22 16:24	EPA200.7		AES
Potassium*	2.30	1.00	0.178	mg/L	1	05/24/22 16:24	EPA200.7		AES
Sodium*	559	5.00	0.380	mg/L	5	05/24/22 16:42	EPA200.7		AES
Strontium*	0.401	0.100	0.018	mg/L	1	05/24/22 16:24	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.868	0.0005	0.0003	mg/L	1	05/25/22 12:31	EPA200.8		AES
Manganese*	0.0138	0.0020	0.0002	mg/L	1	05/25/22 12:31	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/25/22 12:31	EPA200.8		AES

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Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 34-16

2205184-04 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 22:18	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:18	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:18	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			82.9 %	44.9-146		05/17/22 22:18	8015B		MS
<i>Surrogate: 1-Chlorooctadecane</i>			88.7 %	39.8-162		05/17/22 22:18	8015B		MS

VOLATILES BY GC/MS

Benzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 17:59	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:59	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 17:59	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 17:59	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 17:59	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 17:59	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/18/22 17:59	8260B		MS
<i>Surrogate: Dibromofluoromethane</i>			104 %	82.4-141		05/18/22 17:59	8260B		MS
<i>Surrogate: Toluene-d8</i>			99.8 %	87.1-110		05/18/22 17:59	8260B		MS
<i>Surrogate: 4-Bromofluorobenzene</i>			95.4 %	76.4-114		05/18/22 17:59	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 27-02v

2205184-05 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1330	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1330	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	0.674	0.200	0.0548	mg/L	2	05/23/22 14:38	EPA300.0		AES
Chloride*	55.0	2.00	0.0608	mg/L	2	05/23/22 14:38	EPA300.0		AES
Conductivity*	2390	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	4.18	0.200	0.0194	mg/L	2	05/23/22 14:38	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:08	EPA353.2		AES
pH*	7.88			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	23.0			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	<0.0500	0.0500	0.0164	mg P/L	1	05/24/22 12:13	EPA365.1		AES
Total Dissolved Solids*	1420	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 14:38	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	<0.600	0.600	0.186	mg/L	2	05/24/22 16:28	EPA200.7		AES
Calcium*	2.70	0.200	0.077	mg/L	2	05/24/22 16:28	EPA200.7		AES
Hardness as CaCO3	8.59	1.32	0.436	mg/L	2	05/24/22 16:28	2340 B		AES
Iron*	2.56	0.100	0.075	mg/L	2	05/24/22 16:28	EPA200.7		AES
Magnesium*	0.445	0.200	0.059	mg/L	2	05/24/22 16:28	EPA200.7		AES
Potassium*	2.37	2.00	0.355	mg/L	2	05/24/22 16:28	EPA200.7		AES
Sodium*	572	2.00	0.152	mg/L	2	05/24/22 16:28	EPA200.7		AES
Strontium*	0.484	0.200	0.036	mg/L	2	05/24/22 16:28	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.563	0.0010	0.0006	mg/L	2	05/25/22 12:32	EPA200.8		AES
Manganese*	0.0264	0.0040	0.0004	mg/L	2	05/25/22 12:32	EPA200.8		AES
Selenium*	<0.0020	0.0020	0.0014	mg/L	2	05/25/22 12:32	EPA200.8		AES

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Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 27-02v

2205184-05 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 22:37	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:37	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:37	8015B		MS
Surrogate: 1-Chlorooctane			63.7 %	44.9-146		05/17/22 22:37	8015B		MS
Surrogate: 1-Chlorooctadecane			70.6 %	39.8-162		05/17/22 22:37	8015B		MS

VOLATILES BY GC/MS

Benzene*	0.002	0.0005	0.00009	mg/L	1	05/18/22 18:22	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 18:22	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 18:22	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 18:22	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 18:22	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 18:22	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/18/22 18:22	8260B		MS
Surrogate: Dibromofluoromethane			104 %	82.4-141		05/18/22 18:22	8260B		MS
Surrogate: Toluene-d8			101 %	87.1-110		05/18/22 18:22	8260B		MS
Surrogate: 4-Bromofluorobenzene			94.6 %	76.4-114		05/18/22 18:22	8260B		MS

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Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 17-14

2205184-06 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	730	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	120	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	850	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	0.536	0.200	0.0548	mg/L	2	05/23/22 14:57	EPA300.0		AES
Chloride*	62.8	2.00	0.0608	mg/L	2	05/23/22 14:57	EPA300.0		AES
Conductivity*	1810	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	3.00	0.200	0.0194	mg/L	2	05/23/22 14:57	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:10	EPA353.2		AES
pH*	8.42			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	21.7			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	0.0746	0.0500	0.0164	mg P/L	1	05/24/22 12:14	EPA365.1		AES
Total Dissolved Solids*	1040	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 14:57	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	0.502	0.300	0.093	mg/L	1	05/24/22 16:32	EPA200.7		AES
Calcium*	2.01	0.100	0.038	mg/L	1	05/24/22 16:32	EPA200.7		AES
Hardness as CaCO3	6.24	0.662	0.218	mg/L	1	05/24/22 16:32	2340 B		AES
Iron*	0.443	0.050	0.038	mg/L	1	05/24/22 16:32	EPA200.7		AES
Magnesium*	0.298	0.100	0.030	mg/L	1	05/24/22 16:32	EPA200.7		AES
Potassium*	1.38	1.00	0.178	mg/L	1	05/24/22 16:32	EPA200.7		AES
Sodium*	434	5.00	0.380	mg/L	5	05/24/22 16:40	EPA200.7		AES
Strontium*	0.339	0.100	0.018	mg/L	1	05/24/22 16:32	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.200	0.0005	0.0003	mg/L	1	05/25/22 12:34	EPA200.8		AES
Manganese*	0.0061	0.0020	0.0002	mg/L	1	05/25/22 12:34	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/25/22 12:34	EPA200.8		AES

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 17-14

2205184-06 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 22:56	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:56	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 22:56	8015B		MS
Surrogate: 1-Chlorooctane			68.8 %	44.9-146		05/17/22 22:56	8015B		MS
Surrogate: 1-Chlorooctadecane			69.6 %	39.8-162		05/17/22 22:56	8015B		MS

VOLATILES BY GC/MS

Benzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 18:46	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 18:46	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 18:46	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 18:46	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 18:46	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 18:46	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/18/22 18:46	8260B		MS
Surrogate: Dibromofluoromethane			104 %	82.4-141		05/18/22 18:46	8260B		MS
Surrogate: Toluene-d8			101 %	87.1-110		05/18/22 18:46	8260B		MS
Surrogate: 4-Bromofluorobenzene			95.1 %	76.4-114		05/18/22 18:46	8260B		MS

Green Analytical Laboratories

Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 17-09

2205184-07 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1010	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	100	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1110	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	1.23	0.200	0.0548	mg/L	2	05/23/22 15:16	EPA300.0		AES
Chloride*	182	4.00	0.122	mg/L	4	05/24/22 09:54	EPA300.0		AES
Conductivity*	2380	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	3.77	0.200	0.0194	mg/L	2	05/23/22 15:16	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:11	EPA353.2		AES
pH*	8.10			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	20.2			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	0.0827	0.0500	0.0164	mg P/L	1	05/24/22 12:14	EPA365.1		AES
Total Dissolved Solids*	1380	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 15:16	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	0.903	0.600	0.186	mg/L	2	05/24/22 16:36	EPA200.7		AES
Calcium*	4.12	0.200	0.077	mg/L	2	05/24/22 16:36	EPA200.7		AES
Hardness as CaCO3	12.2	1.32	0.436	mg/L	2	05/24/22 16:36	2340 B		AES
Iron*	2.29	0.100	0.075	mg/L	2	05/24/22 16:36	EPA200.7		AES
Magnesium*	0.471	0.200	0.059	mg/L	2	05/24/22 16:36	EPA200.7		AES
Potassium*	<2.00	2.00	0.355	mg/L	2	05/24/22 16:36	EPA200.7		AES
Sodium*	537	2.00	0.152	mg/L	2	05/24/22 16:36	EPA200.7		AES
Strontium*	0.638	0.200	0.036	mg/L	2	05/24/22 16:36	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.515	0.0010	0.0006	mg/L	2	05/25/22 12:35	EPA200.8		AES
Manganese*	0.0265	0.0040	0.0004	mg/L	2	05/25/22 12:35	EPA200.8		AES
Selenium*	<0.0020	0.0020	0.0014	mg/L	2	05/25/22 12:35	EPA200.8		AES

Green Analytical Laboratories

Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 17-09

2205184-07 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 23:15	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:15	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:15	8015B		MS
Surrogate: 1-Chlorooctane			81.3 %	44.9-146		05/17/22 23:15	8015B		MS
Surrogate: 1-Chlorooctadecane			83.9 %	39.8-162		05/17/22 23:15	8015B		MS

VOLATILES BY GC/MS

Benzene*	0.002	0.0005	0.00009	mg/L	1	05/21/22 12:46	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/21/22 12:46	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/21/22 12:46	8260B		MS
m+p - Xylene*	0.002	0.001	0.0005	mg/L	1	05/21/22 12:46	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/21/22 12:46	8260B		MS
Total Xylenes*	0.002	0.002	0.0005	mg/L	1	05/21/22 12:46	8260B		MS
Naphthalene*	0.0007	0.0005	0.00004	mg/L	1	05/21/22 12:46	8260B		MS
Surrogate: Dibromofluoromethane			100 %	82.4-141		05/21/22 12:46	8260B		MS
Surrogate: Toluene-d8			100 %	87.1-110		05/21/22 12:46	8260B		MS
Surrogate: 4-Bromofluorobenzene			101 %	76.4-114		05/21/22 12:46	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 16-12v

2205184-08 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	900	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	100	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1000	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	0.578	0.200	0.0548	mg/L	2	05/23/22 15:36	EPA300.0		AES
Chloride*	86.7	2.00	0.0608	mg/L	2	05/23/22 15:36	EPA300.0		AES
Conductivity*	1920	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	3.50	0.200	0.0194	mg/L	2	05/23/22 15:36	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:12	EPA353.2		AES
pH*	8.28			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	21.8			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	0.121	0.0500	0.0164	mg P/L	1	05/24/22 12:16	EPA365.1		AES
Total Dissolved Solids*	1100	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	<2.50	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<2.00	2.00	0.248	mg/L	2	05/23/22 15:36	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	<0.300	0.300	0.093	mg/L	1	05/24/22 16:44	EPA200.7		AES
Calcium*	1.97	0.100	0.038	mg/L	1	05/24/22 16:44	EPA200.7		AES
Hardness as CaCO3	6.29	0.662	0.218	mg/L	1	05/24/22 16:44	2340 B		AES
Iron*	1.39	0.050	0.038	mg/L	1	05/24/22 16:44	EPA200.7		AES
Magnesium*	0.331	0.100	0.030	mg/L	1	05/24/22 16:44	EPA200.7		AES
Potassium*	1.72	1.00	0.178	mg/L	1	05/24/22 16:44	EPA200.7		AES
Sodium*	447	5.00	0.380	mg/L	5	05/24/22 16:48	EPA200.7		AES
Strontium*	0.354	0.100	0.018	mg/L	1	05/24/22 16:44	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	0.279	0.0005	0.0003	mg/L	1	05/25/22 12:37	EPA200.8		AES
Manganese*	0.0116	0.0020	0.0002	mg/L	1	05/25/22 12:37	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0007	mg/L	1	05/25/22 12:37	EPA200.8		AES

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Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 16-12v

2205184-08 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 23:33	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:33	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:33	8015B		MS
Surrogate: 1-Chlorooctane			91.1 %	44.9-146		05/17/22 23:33	8015B		MS
Surrogate: 1-Chlorooctadecane			94.8 %	39.8-162		05/17/22 23:33	8015B		MS

VOLATILES BY GC/MS

Benzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 19:31	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 19:31	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/18/22 19:31	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	05/18/22 19:31	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/18/22 19:31	8260B		MS
Total Xylenes*	<0.002	0.002	0.0005	mg/L	1	05/18/22 19:31	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/18/22 19:31	8260B		MS
Surrogate: Dibromofluoromethane			104 %	82.4-141		05/18/22 19:31	8260B		MS
Surrogate: Toluene-d8			99.6 %	87.1-110		05/18/22 19:31	8260B		MS
Surrogate: 4-Bromofluorobenzene			94.4 %	76.4-114		05/18/22 19:31	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

HR 16-07V-2

2205184-09 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	1150	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	80.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Alkalinity, Total as CaCO3*	1230	10.0	2.27	mg/L	10	05/24/22 13:20	2320 B		VJW
Bromide	4.84	0.500	0.137	mg/L	5	05/23/22 16:34	EPA300.0		AES
Chloride*	639	25.0	0.760	mg/L	25	05/24/22 10:13	EPA300.0		AES
Conductivity*	4140	1.00		umho/cm @ 25.0°C	1	05/13/22 14:35	2510 B		VJW
Fluoride*	2.38	0.500	0.0486	mg/L	5	05/23/22 16:34	EPA300.0		AES
Nitrate/Nitrite as N*	<0.020	0.020	0.012	mg/L as N	1	05/19/22 14:13	EPA353.2		AES
pH*	7.88			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
pH Temperature, degrees C	22.2			pH Units	1	05/13/22 14:35	EPA150.1	H1	VJW
Phosphorus, Total	0.0652	0.0500	0.0164	mg P/L	1	05/24/22 12:17	EPA365.1		AES
Total Dissolved Solids*	2360	10.0		mg/L	1	05/17/22 12:35	EPA160.1		VJW
Total Suspended Solids*	2.56	2.50		mg/L	1	05/17/22 17:10	2540 D		VJW
Sulfate*	<5.00	5.00	0.620	mg/L	5	05/23/22 16:34	EPA300.0		AES

Total Recoverable Metals by ICP (E200.7)

Boron	1.61	1.20	0.372	mg/L	4	05/24/22 16:50	EPA200.7		AES
Calcium*	7.05	0.400	0.154	mg/L	4	05/24/22 16:50	EPA200.7		AES
Hardness as CaCO3	23.9	2.65	0.872	mg/L	4	05/24/22 16:50	2340 B		AES
Iron*	0.988	0.200	0.151	mg/L	4	05/24/22 16:50	EPA200.7		AES
Magnesium*	1.53	0.400	0.119	mg/L	4	05/24/22 16:50	EPA200.7		AES
Potassium*	<4.00	4.00	0.710	mg/L	4	05/24/22 16:50	EPA200.7		AES
Sodium*	880	4.00	0.304	mg/L	4	05/24/22 16:50	EPA200.7		AES
Strontium*	1.15	0.400	0.072	mg/L	4	05/24/22 16:50	EPA200.7		AES

Total Recoverable Metals by ICPMS (E200.8)

Barium*	1.09	0.0020	0.0012	mg/L	4	05/25/22 12:38	EPA200.8		AES
Manganese*	0.0120	0.0080	0.0007	mg/L	4	05/25/22 12:38	EPA200.8		AES
Selenium*	0.0079	0.0040	0.0028	mg/L	4	05/25/22 12:38	EPA200.8		AES

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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HR 16-07V-2

2205184-09 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<1.00	1.00	0.295	mg/L	0.1	05/17/22 23:52	8015B		MS
DRO >C10-C28*	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:52	8015B		MS
EXT DRO >C28-C36	<1.00	1.00	0.670	mg/L	0.1	05/17/22 23:52	8015B		MS
Surrogate: 1-Chlorooctane			63.4 %	44.9-146		05/17/22 23:52	8015B		MS
Surrogate: 1-Chlorooctadecane			68.7 %	39.8-162		05/17/22 23:52	8015B		MS

VOLATILES BY GC/MS

Benzene*	<0.0005	0.0005	0.00009	mg/L	1	05/21/22 13:09	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	05/21/22 13:09	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	05/21/22 13:09	8260B		MS
m+p - Xylene*	0.003	0.001	0.0005	mg/L	1	05/21/22 13:09	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	05/21/22 13:09	8260B		MS
Total Xylenes*	0.003	0.002	0.0005	mg/L	1	05/21/22 13:09	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	05/21/22 13:09	8260B		MS
Surrogate: Dibromofluoromethane			101 %	82.4-141		05/21/22 13:09	8260B		MS
Surrogate: Toluene-d8			102 %	87.1-110		05/21/22 13:09	8260B		MS
Surrogate: 4-Bromofluorobenzene			101 %	76.4-114		05/21/22 13:09	8260B		MS

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Brenna Kampf

Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B221254 - General Prep - Wet Chem										
Blank (B221254-BLK1) Prepared: 05/16/22 Analyzed: 05/17/22										
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B221254-DUP1) Source: 2205162-06 Prepared: 05/16/22 Analyzed: 05/17/22										
Total Dissolved Solids	3240	10.0	mg/L		3250			0.00296	20	
Reference (B221254-SRM1) Prepared: 05/16/22 Analyzed: 05/17/22										
Total Dissolved Solids	575	10.0	mg/L	560		103	85-115			
Batch B221262 - General Prep - Wet Chem										
Duplicate (B221262-DUP2) Source: 2205184-09 Prepared & Analyzed: 05/13/22										
pH	7.92		pH Units		7.88			0.506	20	
pH Temperature, degrees C	22.2		pH Units		22.2			0.00	200	
Reference (B221262-SRM1) Prepared & Analyzed: 05/13/22										
pH	7.01		pH Units	7.00		100	98.57-101.42			
Batch B221265 - General Prep - Wet Chem										
Duplicate (B221265-DUP2) Source: 2205184-09 Prepared & Analyzed: 05/13/22										
Conductivity	4070	1.00	umho/cm @ 25.0°C		4140			1.71	20	
Reference (B221265-SRM1) Prepared & Analyzed: 05/13/22										
Conductivity	545	1.00	umho/cm @ 25.0°C	503		108	90-110			
Batch B221286 - General Prep - Wet Chem										
Blank (B221286-BLK1) Prepared & Analyzed: 05/17/22										
Total Suspended Solids	ND	2.50	mg/L							
Duplicate (B221286-DUP2) Source: 2205189-01 Prepared & Analyzed: 05/17/22										
Total Suspended Solids	25.8	2.50	mg/L		33.3			25.4	20	R1
Reference (B221286-SRM1) Prepared & Analyzed: 05/17/22										
Total Suspended Solids	113	2.50	mg/L	100		113	85-115			
Batch B221293 - Lachat										
Blank (B221293-BLK1) Prepared: 05/18/22 Analyzed: 05/19/22										

Green Analytical Laboratories

Brenna Kampf, Project Manager

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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**General Chemistry - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B221293 - Lachat (Continued)

Blank (B221293-BLK1) (Continued)

Prepared: 05/18/22 Analyzed: 05/19/22

Nitrate/Nitrite as N	ND	0.020	mg/L as N							
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LCS (B221293-BS1)

Prepared: 05/18/22 Analyzed: 05/19/22

Nitrate/Nitrite as N	1.03	0.020	mg/L as N	1.00		103	90-110			
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LCS Dup (B221293-BSD1)

Prepared: 05/18/22 Analyzed: 05/19/22

Nitrate/Nitrite as N	1.03	0.020	mg/L as N	1.00		103	90-110	0.360	20	
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Batch B221299 - General Prep - Wet Chem

Blank (B221299-BLK1)

Prepared: 05/19/22 Analyzed: 05/24/22

Alkalinity, Bicarbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							

LCS (B221299-BS1)

Prepared: 05/19/22 Analyzed: 05/24/22

Alkalinity, Bicarbonate as CaCO3	102	10.0	mg/L	100		102	85-115			
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Total as CaCO3	102	10.0	mg/L	100		102	85-115			

LCS Dup (B221299-BSD1)

Prepared: 05/19/22 Analyzed: 05/24/22

Alkalinity, Bicarbonate as CaCO3	103	10.0	mg/L	100		103	85-115	0.976	20	
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Total as CaCO3	103	10.0	mg/L	100		103	85-115	0.976	20	

Batch B221305 - IC- Ion Chromatograph

Blank (B221305-BLK1)

Prepared & Analyzed: 05/19/22

Bromide	ND	0.100	mg/L							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							

LCS (B221305-BS1)

Prepared & Analyzed: 05/19/22

Bromide	2.45	0.100	mg/L	2.50		97.8	90-110			
Chloride	24.7	1.00	mg/L	25.0		98.9	90-110			
Fluoride	2.50	0.100	mg/L	2.50		99.9	90-110			
Sulfate	25.2	1.00	mg/L	25.0		101	90-110			

Green Analytical Laboratories

Brenna Kampf, Project Manager

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

**General Chemistry - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B221305 - IC- Ion Chromatograph (Continued)

LCS Dup (B221305-BSD1)

Prepared & Analyzed: 05/19/22

Bromide	2.42	0.100	mg/L	2.50		96.8	90-110	1.03	20	
Chloride	24.7	1.00	mg/L	25.0		99.0	90-110	0.0404	20	
Fluoride	2.52	0.100	mg/L	2.50		101	90-110	0.797	20	
Sulfate	25.3	1.00	mg/L	25.0		101	90-110	0.669	20	

Batch B221307 - Lachat

Blank (B221307-BLK1)

Prepared: 05/20/22 Analyzed: 05/24/22

Phosphorus, Total	ND	0.0500	mg P/L							
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LCS (B221307-BS1)

Prepared: 05/20/22 Analyzed: 05/24/22

Phosphorus, Total	2.65	0.0500	mg P/L	2.50		106	90-110			
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LCS Dup (B221307-BSD1)

Prepared: 05/20/22 Analyzed: 05/24/22

Phosphorus, Total	2.71	0.0500	mg P/L	2.50		109	90-110	2.41	20	
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Batch B221341 - IC- Ion Chromatograph

Blank (B221341-BLK1)

Prepared & Analyzed: 05/23/22

Bromide	ND	0.100	mg/L							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							

LCS (B221341-BS1)

Prepared & Analyzed: 05/23/22

Bromide	2.42	0.100	mg/L	2.50		96.6	90-110			
Chloride	24.8	1.00	mg/L	25.0		99.3	90-110			
Fluoride	2.54	0.100	mg/L	2.50		102	90-110			
Sulfate	25.6	1.00	mg/L	25.0		103	90-110			

LCS Dup (B221341-BSD1)

Prepared & Analyzed: 05/23/22

Bromide	2.45	0.100	mg/L	2.50		98.0	90-110	1.40	20	
Chloride	24.9	1.00	mg/L	25.0		99.7	90-110	0.442	20	
Fluoride	2.55	0.100	mg/L	2.50		102	90-110	0.118	20	
Sulfate	25.9	1.00	mg/L	25.0		104	90-110	1.03	20	

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 21603 State Hwy 12
 Trinidad CO, 81082

Project: Rule 909.j
 Project Name / Number: Rule 909.j
 Project Manager: Sam Bollinger

Reported:
 06/15/22 14:11

Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B221274 - Total Recoverable by ICP

Blank (B221274-BLK1)

Prepared: 05/17/22 Analyzed: 05/19/22

Boron	ND	0.300	mg/L							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Strontium	ND	0.100	mg/L							

LCS (B221274-BS1)

Prepared: 05/17/22 Analyzed: 05/19/22

Boron	1.96	0.300	mg/L	2.00		98.2	85-115			
Calcium	1.94	0.100	mg/L	2.00		96.8	85-115			
Iron	1.98	0.050	mg/L	2.00		98.8	85-115			
Magnesium	10.0	0.100	mg/L	10.0		100	85-115			
Potassium	4.04	1.00	mg/L	4.00		101	85-115			
Sodium	1.61	1.00	mg/L	1.62		99.1	85-115			
Strontium	1.96	0.100	mg/L	2.00		97.8	85-115			

LCS Dup (B221274-BSD1)

Prepared: 05/17/22 Analyzed: 05/19/22

Boron	1.98	0.300	mg/L	2.00		99.1	85-115	0.941	20	
Calcium	1.92	0.100	mg/L	2.00		96.0	85-115	0.867	20	
Iron	2.00	0.050	mg/L	2.00		99.9	85-115	1.11	20	
Magnesium	10.0	0.100	mg/L	10.0		100	85-115	0.188	20	
Potassium	4.12	1.00	mg/L	4.00		103	85-115	1.78	20	
Sodium	1.62	1.00	mg/L	1.62		100	85-115	0.896	20	
Strontium	1.92	0.100	mg/L	2.00		96.2	85-115	1.57	20	

Batch B221344 - Total Recoverable by ICP

Blank (B221344-BLK1)

Prepared: 05/23/22 Analyzed: 05/24/22

Boron	ND	0.300	mg/L							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Strontium	ND	0.100	mg/L							

LCS (B221344-BS1)

Prepared: 05/23/22 Analyzed: 05/24/22

Boron	1.97	0.300	mg/L	2.00		98.4	85-115			
Calcium	1.97	0.100	mg/L	2.00		98.6	85-115			
Iron	1.96	0.050	mg/L	2.00		98.2	85-115			

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 Trinidad CO, 81082

Project: Rule 909.j
 Project Name / Number: Rule 909.j
 Project Manager: Sam Bollinger

Reported:
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**Total Recoverable Metals by ICP (E200.7) - Quality Control
 (Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B221344 - Total Recoverable by ICP (Continued)

LCS (B221344-BS1) (Continued)

Prepared: 05/23/22 Analyzed: 05/24/22

Magnesium	10.1	0.100	mg/L	10.0		101	85-115			
Potassium	3.96	1.00	mg/L	4.00		98.9	85-115			
Sodium	1.55	1.00	mg/L	1.62		95.7	85-115			
Strontium	1.99	0.100	mg/L	2.00		99.5	85-115			

LCS Dup (B221344-BSD1)

Prepared: 05/23/22 Analyzed: 05/24/22

Boron	1.93	0.300	mg/L	2.00		96.7	85-115	1.72	20	
Calcium	1.91	0.100	mg/L	2.00		95.3	85-115	3.37	20	
Iron	1.91	0.050	mg/L	2.00		95.4	85-115	2.82	20	
Magnesium	9.84	0.100	mg/L	10.0		98.4	85-115	3.02	20	
Potassium	4.00	1.00	mg/L	4.00		100	85-115	1.14	20	
Sodium	1.79	1.00	mg/L	1.62		111	85-115	14.3	20	
Strontium	1.97	0.100	mg/L	2.00		98.3	85-115	1.19	20	

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21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

Total Recoverable Metals by ICPMS (E200.8) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B221275 - Total Recoverable by ICPMS

Blank (B221275-BLK1)

Prepared: 05/17/22 Analyzed: 05/20/22

Barium	ND	0.0005	mg/L							
Manganese	ND	0.0020	mg/L							
Selenium	ND	0.0010	mg/L							

LCS (B221275-BS1)

Prepared: 05/17/22 Analyzed: 05/20/22

Barium	0.0475	0.0005	mg/L	0.0500		94.9	85-115			
Manganese	0.0491	0.0020	mg/L	0.0500		98.1	85-115			
Selenium	0.249	0.0010	mg/L	0.250		99.5	85-115			

LCS Dup (B221275-BSD1)

Prepared: 05/17/22 Analyzed: 05/20/22

Barium	0.0479	0.0005	mg/L	0.0500		95.9	85-115	1.03	20	
Manganese	0.0490	0.0020	mg/L	0.0500		98.0	85-115	0.0963	20	
Selenium	0.243	0.0010	mg/L	0.250		97.3	85-115	2.33	20	

Batch B221345 - Total Recoverable by ICPMS

Blank (B221345-BLK1)

Prepared: 05/23/22 Analyzed: 05/25/22

Barium	ND	0.0005	mg/L							
Manganese	ND	0.0020	mg/L							
Selenium	ND	0.0010	mg/L							

LCS (B221345-BS1)

Prepared: 05/23/22 Analyzed: 05/25/22

Barium	0.0518	0.0005	mg/L	0.0500		104	85-115			
Manganese	0.0531	0.0020	mg/L	0.0500		106	85-115			
Selenium	0.257	0.0010	mg/L	0.250		103	85-115			

LCS Dup (B221345-BSD1)

Prepared: 05/23/22 Analyzed: 05/25/22

Barium	0.0515	0.0005	mg/L	0.0500		103	85-115	0.627	20	
Manganese	0.0522	0.0020	mg/L	0.0500		104	85-115	1.61	20	
Selenium	0.260	0.0010	mg/L	0.250		104	85-115	1.12	20	

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Ogris Operating, LLC 21603 State Hwy 12 Trinidad CO, 81082	Project: Rule 909.j Project Name / Number: Rule 909.j Project Manager: Sam Bollinger	Reported: 06/15/22 14:11
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Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2051725 - General Prep - Organics

Blank (2051725-BLK1)

Prepared & Analyzed: 05/17/22

Surrogate: 1-Chlorooctadecane	3.86		mg/L	5.00		77.1	39.8-162			
Surrogate: 1-Chlorooctane	3.29		mg/L	5.00		65.8	44.9-146			
DRO >C10-C28	ND	1.00	mg/L							
EXT DRO >C28-C36	ND	1.00	mg/L							
GRO C6-C10	ND	1.00	mg/L							

LCS (2051725-BS1)

Prepared & Analyzed: 05/17/22

Surrogate: 1-Chlorooctadecane	6.40		mg/L	5.00		128	39.8-162			
Surrogate: 1-Chlorooctane	5.81		mg/L	5.00		116	44.9-146			
DRO >C10-C28	44.9	1.00	mg/L	50.0		89.8	70-121			
GRO C6-C10	43.8	1.00	mg/L	50.0		87.7	72.4-116			

LCS Dup (2051725-BSD1)

Prepared & Analyzed: 05/17/22

Surrogate: 1-Chlorooctadecane	6.28		mg/L	5.00		126	39.8-162			
Surrogate: 1-Chlorooctane	6.34		mg/L	5.00		127	44.9-146			
DRO >C10-C28	50.7	1.00	mg/L	50.0		101	70-121	12.2	24.8	
GRO C6-C10	51.4	1.00	mg/L	50.0		103	72.4-116	15.9	8.73	QR-04

Green Analytical Laboratories

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Ogris Operating, LLC
21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2051808 - Volatiles

Blank (2051808-BLK1)

Prepared & Analyzed: 05/18/22

Surrogate: 4-Bromofluorobenzene	0.0244		mg/L	0.0250		97.4	76.4-114			
Benzene	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	0.0250		mg/L	0.0250		99.9	82.4-141			
Ethylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Naphthalene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	0.0249		mg/L	0.0250		99.5	87.1-110			
Total Xylenes	ND	0.002	mg/L							

LCS (2051808-BS1)

Prepared & Analyzed: 05/18/22

Surrogate: 4-Bromofluorobenzene	0.0260		mg/L	0.0250		104	76.4-114			
Benzene	0.020	0.0005	mg/L	0.0200		98.2	85.9-114			
Surrogate: Dibromofluoromethane	0.0249		mg/L	0.0250		99.7	82.4-141			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	81.8-127			
m+p - Xylene	0.043	0.001	mg/L	0.0400		107	72.4-134			
Naphthalene	0.019	0.0005	mg/L	0.0200		96.0	59.3-140			
o-Xylene	0.020	0.0005	mg/L	0.0200		102	76.2-135			
Toluene	0.019	0.0005	mg/L	0.0200		95.0	78.8-121			
Surrogate: Toluene-d8	0.0249		mg/L	0.0250		99.4	87.1-110			
Total Xylenes	0.063	0.002	mg/L	0.0600		105	74.3-134			

LCS Dup (2051808-BSD1)

Prepared & Analyzed: 05/18/22

Surrogate: 4-Bromofluorobenzene	0.0257		mg/L	0.0250		103	76.4-114			
Benzene	0.020	0.0005	mg/L	0.0200		99.2	85.9-114	0.912	4.16	
Surrogate: Dibromofluoromethane	0.0254		mg/L	0.0250		102	82.4-141			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	81.8-127	0.288	4.83	
m+p - Xylene	0.043	0.001	mg/L	0.0400		107	72.4-134	0.00	5.77	
Naphthalene	0.018	0.0005	mg/L	0.0200		92.2	59.3-140	4.09	33.5	
o-Xylene	0.021	0.0005	mg/L	0.0200		103	76.2-135	0.0976	6.29	
Toluene	0.019	0.0005	mg/L	0.0200		95.2	78.8-121	0.315	5.67	
Surrogate: Toluene-d8	0.0246		mg/L	0.0250		98.2	87.1-110			
Total Xylenes	0.063	0.002	mg/L	0.0600		105	74.3-134	0.0316	5.83	

Batch 2052036 - Volatiles

Blank (2052036-BLK1)

Prepared: 05/20/22 Analyzed: 05/21/22

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Brenna Kampf, Project Manager

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21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

**VOLATILES BY GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2052036 - Volatiles (Continued)

Blank (2052036-BLK1) (Continued)

Prepared: 05/20/22 Analyzed: 05/21/22

Surrogate: 4-Bromofluorobenzene	0.0248		mg/L	0.0250		99.1	76.4-114			
Benzene	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	0.0252		mg/L	0.0250		101	82.4-141			
Ethylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Naphthalene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	0.0249		mg/L	0.0250		99.5	87.1-110			
Total Xylenes	ND	0.002	mg/L							

LCS (2052036-BS1)

Prepared: 05/20/22 Analyzed: 05/21/22

Surrogate: 4-Bromofluorobenzene	0.0264		mg/L	0.0250		106	76.4-114			
Benzene	0.019	0.0005	mg/L	0.0200		95.0	85.9-114			
Surrogate: Dibromofluoromethane	0.0252		mg/L	0.0250		101	82.4-141			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		102	81.8-127			
m+p - Xylene	0.042	0.001	mg/L	0.0400		105	72.4-134			
Naphthalene	0.019	0.0005	mg/L	0.0200		93.3	59.3-140			
o-Xylene	0.020	0.0005	mg/L	0.0200		102	76.2-135			
Toluene	0.019	0.0005	mg/L	0.0200		94.5	78.8-121			
Surrogate: Toluene-d8	0.0249		mg/L	0.0250		99.7	87.1-110			
Total Xylenes	0.062	0.002	mg/L	0.0600		104	74.3-134			

LCS Dup (2052036-BSD1)

Prepared: 05/20/22 Analyzed: 05/21/22

Surrogate: 4-Bromofluorobenzene	0.0266		mg/L	0.0250		107	76.4-114			
Benzene	0.019	0.0005	mg/L	0.0200		95.6	85.9-114	0.577	4.16	
Surrogate: Dibromofluoromethane	0.0252		mg/L	0.0250		101	82.4-141			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		100	81.8-127	1.78	4.83	
m+p - Xylene	0.041	0.001	mg/L	0.0400		102	72.4-134	3.08	5.77	
Naphthalene	0.018	0.0005	mg/L	0.0200		90.2	59.3-140	3.27	33.5	
o-Xylene	0.020	0.0005	mg/L	0.0200		101	76.2-135	0.148	6.29	
Toluene	0.018	0.0005	mg/L	0.0200		91.0	78.8-121	3.72	5.67	
Surrogate: Toluene-d8	0.0248		mg/L	0.0250		99.2	87.1-110			
Total Xylenes	0.061	0.002	mg/L	0.0600		102	74.3-134	2.11	5.83	

Green Analytical Laboratories

Brenna Kampf, Project Manager

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21603 State Hwy 12
Trinidad CO, 81082

Project: Rule 909.j
Project Name / Number: Rule 909.j
Project Manager: Sam Bollinger

Reported:
06/15/22 14:11

Notes and Definitions

- R1 Duplicate sample RPD exceeded laboratory acceptance criteria. Sample(s) may be difficult to homogenize.
- QR-04 The RPD for the BS/BSD was outside of historical limits.
- H1 Sample was received several days after collected and subsequently analyzed past hold time.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.
- RPD Relative Percent Difference
- LCS Laboratory Control Sample (Blank Spike)
- RL Report Limit
- MDL Method Detection Limit

Green Analytical Laboratories

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 Address: 21603 State
 Trinidad, CO
 Contact: Sam Bollinger
 Phone #: 719-680-0808
 Agency: COGCC

75 Shuttle Street
 Durango, CO 81303
 Phone: (970) 247-4220 - Email: brenna.kampf@greenanalytical.com

per 10523

Sample Description	Sample Date	Time MST	(C)omp / (G)rab	Alkalinity as CaCO3	Bicarbonate as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Conductivity	TSS	TDS	Lab pH	Boron 200.2 by ICP	Iron 200.2 by ICP	Potassium 200.2 by ICP	Sodium 200.2 by ICP	Strontium 200.2 by ICP	Hardness, Calcium, Magnesium	Barium 200.2 by ICPMS	Manganese 200.2 by ICPMS	Selenium 200.2 by ICPMS	Bromide by IC	Chloride by IC	Fluoride by IC	Sulfate by IC	Nitrate/Nitrite AS N	Phosphorus, Total	TPH 8015M	BTEX+Naphtalene 8260
2205-184 HR 25-05	5/10/2022	11:37AM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HR 26-09v	5/10/2022	12:11PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HR 34-03	5/10/2022	1:00PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HR 34-16	5/10/2022	1:40PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HR 27-02v	5/10/2022	2:20PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Collected by: (Signature) [Signature] Date: 5/11/2022 Time: 4:30 pm
 Relinquished by: (Signature) [Signature] Date: 5/13/2022 Time: 1050 AM
 Received by: (Signature) [Signature] Date: _____ Time: _____
 Method of Shipment: Fed-Ex
 Additional Comments: 9091 Wellheads
-04 Radiation 1/2 gal - only 1/5 full. 5/13/22

1.20C on Ice
Shawn Z
8809

Company Name: Ogris Operating, LLC
 Address: 21603 State
 Trinidad, CO
 Contact: Sam Bollinger
 Phone #: 719-680-0808
 Agency: COGCC

75 Shuttle Street
 Durango, CO 81303
 Phone: (970) 247-4220 - Email: breanna.kampf@greenanalytical.com

Green Analytical Laboratories

Sample Description	Sample Date	Time MST	(C)omp / (G)rab	Alkalinity as CaCO3	Bicarbonate as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Conductivity	TSS	TDS	Lab pH	Boron 200.2 by ICP	Iron 200.2 by ICP	Potassium 200.2 by ICP	Sodium 200.2 by ICP	Strontium 200.2 by ICP	Hardness, Calcium, Magnesium	Barium 200.2 by ICPMS	Manganese 200.2 by ICPMS	Selenium 200.2 by ICPMS	Bromide by IC	Chloride by IC	Fluoride by IC	Sulfate by IC	Nitrate/Nitrite AS N	Phosphorus, Total	TPH 8015M	BTEX+Naphtalene 8260	Preservatives	# of Containers
HR 17-14	5/10/2022	12:05PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HNO3 H2SO4 HCl	12
HR 17-09	5/10/2022	12:41PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HNO3 H2SO4 HCl	12

Collected by: (Signature) [Signature] Date: 5-11-22 Time: 4:30 PM
 Relinquished by: (Signature) [Signature] Date: 5/13/22 Time: 1:50 PM
 Received by: (Signature) [Signature] Date: _____ Time: _____
 Method of Shipment: Fed-Ex
 Additional Comments: 909J Wellheads

12 on Dec
Sevens
2500

Page 206

Company: Ogris Operating, LLC
 Address: 21603 State
 Trinidad, CO
 Contact: Sam Bollinger
 Phone #: 719-680-0808
 Agency: COGCC

75 Shuttle Street
 Durango, CO 81303
 Phone: (970) 247-4220 - Email: brenna.kampf@greenanalytical.com

Sample Description	Sample Date	Time MST	(C)omp / (G)rab	Alkalinity as CaCO3	Bicarbonate as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Conductivity	TSS	TDS	Lab pH	Boron 200.2 by ICP	Iron 200.2 by ICP	Potassium 200.2 by ICP	Sodium 200.2 by ICP	Strontium 200.2 by ICP	Hardness, Calcium, Magnesium	Barium 200.2 by ICPMS	Manganese 200.2 by ICPMS	Selenium 200.2 by ICPMS	Bromide by IC	Chloride by IC	Fluoride by IC	Sulfate by IC	Nitrate/Nitrite AS N	Phosphorus, Total	TPH 8015M	BTEX+Naphtalene 8260	Preservatives	# of Containers
HR 16-12V	5/10/2022	12:41PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HNO3 H2SO4 HCl HNO3 H2SO4 HCl	12
HR 16-07V-2	5/10/2022	1:23PM	G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HNO3 H2SO4 HCl	12

Collected by: (Signature) [Signature] Date: 5-11-2022 Time: 4:30

Relinquished by: (Signature) [Signature] Date: 5/13/22 Time: 1050

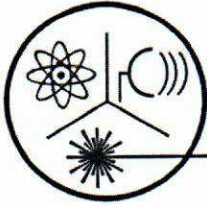
Received by: (Signature) [Signature] Date: _____ Time: _____

Method of Shipment: FED - FX

Additional Comments: 909J Wellheads

12 on Dec
Jason Z
[Signature]

98303



Radiation Safety Engineering, Inc.

3245 N. WASHINGTON ST. • CHANDLER, ARIZONA 85225-1121
Website: www.radsafe.com

(480) 897-9459
FAX (480) 892-5446

Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

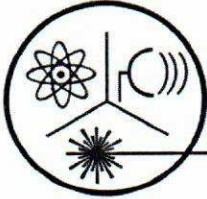
Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-01	< 0.4	< 0.8	< 0.8
Date of Analysis	5/27/2022	5/27/2022	5/27/2022

6/15/2022

Alex Myers, Ph.D.

Date

Laboratory License Number AZ0462



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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-02	< 0.4	< 0.8	< 0.8

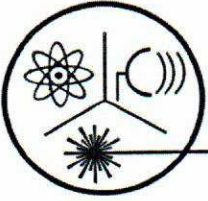
Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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Alex Myers, Ph.D.

6/15/2022

Date

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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-03	< 0.4	< 0.8	< 0.8

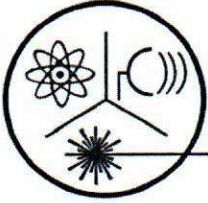
Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-05	< 0.4	0.8 ± 0.7	0.8 ± 0.7

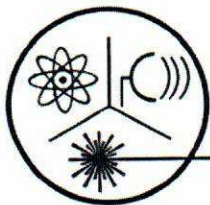
Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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6/15/2022

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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-06	< 0.4	< 0.8	< 0.8

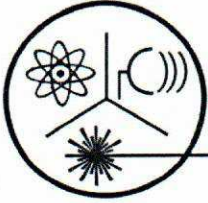
Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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Alex Myers, Ph.D.

6/15/2022

Date

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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-07	< 0.5	< 0.9	< 0.9

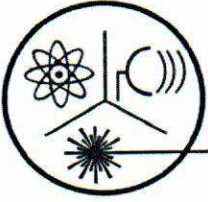
Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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6/15/2022

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Radiochemical Activity in Water (pCi/L)

Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

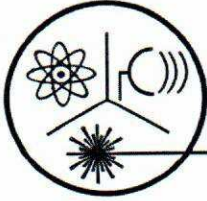
Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-08	< 0.4	< 0.8	< 0.8
Date of Analysis	5/27/2022	5/27/2022	5/27/2022

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6/15/2022

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Green Analytical Laboratories
75 Suttle St.
Durango, CO 81303

Sampling Date: May 10, 2022
Sample Received: May 17, 2022
Analysis Completed: June 15, 2022

Sample ID	Radium 226 Activity Method GammaRay HPGE (pCi/L)	Radium 228 Activity Method GammaRay HPGE (pCi/L)	Total Radium (pCi/L)
2205-184-09	< 0.4	< 0.7	< 0.7

Date of Analysis	5/27/2022	5/27/2022	5/27/2022
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Alex Myers, Ph.D.

6/15/2022

Date

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