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11 April 2024

Kyle Siesser  
Cottonwood Consulting  
PO Box 1653  
Durango, CO 81302  
RE: Florida River Gas Plant Cooler Release

Enclosed are the results of analyses for samples received by the laboratory on 03/27/24 11:00. 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 'Veronica J. Wells'.

Veronica Wells  
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: TX-C24-00019

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: T104704398-23-16

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Cottonwood Consulting  
PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	2403221-01	Solid	03/27/24 09:40	03/27/24 11:00	
SS02	2403221-02	Solid	03/27/24 10:00	03/27/24 11:00	

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Veronica Wells, Project Manager

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Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### SS01

**2403221-01 (Soil)**

**Sampled Date: 03/27/24 09:40**

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	04/09/24 10:00	3060A/3500-Cr B	M5	JDA
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#### Saturated Paste Extraction

Calcium	91.9	0.100	0.058	mg/L	1	04/05/24 13:16	EPA200.7		AES
Conductivity	875			umho/cm@25 C	1	04/03/24 11:30	ASA#9 10-3.3		JDA
Magnesium	20.0	0.100	0.065	mg/L	1	04/05/24 13:16	EPA200.7		AES
pH	7.73			pH Units	1	04/03/24 11:30	ASA#9 10-3.2		JDA
SAR	0.95			No Unit	1	04/05/24 13:16	Calculation		AES
Sodium	38.4	1.00	0.079	mg/L	1	04/05/24 13:16	EPA200.7		AES

#### Total Metals by ICP

Barium	206	5.00	0.975	mg/kg dry	100	04/05/24 12:25	6010B		AES
Cadmium	<5.00	5.00	1.24	mg/kg dry	100	04/05/24 12:25	6010B		AES
Copper	24.2	10.0	3.51	mg/kg dry	100	04/08/24 18:45	6010B		AES
Lead	<10.0	10.0	2.49	mg/kg dry	100	04/05/24 12:25	6010B		AES
Nickel	11.1	5.00	2.33	mg/kg dry	100	04/05/24 12:25	6010B		AES
Selenium	<20.0	20.0	10.5	mg/kg dry	100	04/08/24 18:45	6010B		AES
Silver	<1.00	1.00	0.437	mg/kg dry	100	04/05/24 12:24	6010B		AES
Zinc	38.8	10.0	1.63	mg/kg dry	100	04/05/24 12:25	6010B		AES

#### Total Metals by ICPMS

Arsenic	3.73	1.00	0.158	mg/kg dry	1000	04/08/24 10:05	6020A		AES
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#### Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	04/09/24 17:16	EPA200.7		AES
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	03/28/24 22:09	8015B		ms
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	03/28/24 22:09	8015B		ms
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	03/28/24 22:09	8015B		ms

Surrogate: 1-Chlorooctadecane	103 %	49.1-148	03/28/24 22:09	8015B	ms
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Veronica Wells, Project Manager

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04/11/24 08:13

**SS01**

**2403221-01 (Soil)**

**Sampled Date: 03/27/24 09:40**

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**

Surrogate: 1-Chlorooctane	96.1 %	48.2-134				03/28/24 22:09	8015B		ms
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**VOLATILES BY GC/MS**

Benzene*	<0.0250	0.0250	0.00885	mg/kg	50	04/08/24 17:13	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	04/08/24 17:13	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	04/08/24 17:13	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	04/08/24 17:13	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	04/08/24 17:13	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	04/08/24 17:13	8260B		MS

Surrogate: 4-Bromofluorobenzene	100 %	82.5-117				04/08/24 17:13	8260B		MS
Surrogate: Dibromofluoromethane	90.3 %	84.6-114				04/08/24 17:13	8260B		MS
Surrogate: Toluene-d8	98.1 %	90.4-109				04/08/24 17:13	8260B		MS

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	04/04/24 15:56	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	04/04/24 15:56	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	04/04/24 15:56	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	04/04/24 15:56	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	04/04/24 15:56	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	04/04/24 15:56	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 15:56	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	04/04/24 15:56	8270C		MS
Chrysene	<0.017	0.040	0.017	mg/kg	40	04/04/24 15:56	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 15:56	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 15:56	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	04/04/24 15:56	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	04/04/24 15:56	8270C		MS
Naphthalene*	<0.015	0.040	0.015	mg/kg	40	04/04/24 15:56	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	04/04/24 15:56	8270C		MS

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*Veronica J Wells*

Veronica Wells, Project Manager

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Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

**SS01**

**2403221-01 (Soil)**

**Sampled Date: 03/27/24 09:40**

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

**Polynuclear Aromatic Compounds by GC/MS**

Surrogate: 2-Fluorobiphenyl	67.4 %	7.39-192				04/04/24 15:56	8270C		MS
Surrogate: Nitrobenzene-d5	69.4 %	5.17-184				04/04/24 15:56	8270C		MS
Surrogate: Terphenyl-d14	92.7 %	27.5-139				04/04/24 15:56	8270C		MS

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Veronica Wells, Project Manager

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Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

## SS02

**2403221-02 (Soil)**

**Sampled Date: 03/27/24 10:00**

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	04/09/24 10:00	3060A/3500-Cr B		JDA
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### Saturated Paste Extraction

Calcium	102	0.200	0.116	mg/L	2	04/05/24 13:19	EPA200.7		AES
Conductivity	1200			umho/cm@25 C	1	04/03/24 11:30	ASA#9 10-3.3		JDA
Magnesium	21.5	0.200	0.131	mg/L	2	04/05/24 13:19	EPA200.7		AES
pH	8.10			pH Units	1	04/03/24 11:30	ASA#9 10-3.2		JDA
SAR	1.21			No Unit	1	04/05/24 13:19	Calculation		AES
Sodium	51.5	2.00	0.159	mg/L	2	04/05/24 13:19	EPA200.7		AES

### Total Metals by ICP

Barium	194	5.00	0.975	mg/kg dry	100	04/05/24 12:38	6010B		AES
Cadmium	<5.00	5.00	1.24	mg/kg dry	100	04/05/24 12:38	6010B		AES
Copper	29.2	10.0	3.51	mg/kg dry	100	04/08/24 18:55	6010B		AES
Lead	10.4	10.0	2.49	mg/kg dry	100	04/05/24 12:38	6010B		AES
Nickel	9.42	5.00	2.33	mg/kg dry	100	04/05/24 12:38	6010B		AES
Selenium	<20.0	20.0	10.5	mg/kg dry	100	04/08/24 18:55	6010B		AES
Silver	<1.00	1.00	0.437	mg/kg dry	100	04/05/24 12:38	6010B		AES
Zinc	39.2	10.0	1.63	mg/kg dry	100	04/05/24 12:38	6010B		AES

### Total Metals by ICPMS

Arsenic	4.11	1.00	0.158	mg/kg dry	1000	04/08/24 10:06	6020A		AES
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### Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	04/09/24 17:20	EPA200.7		AES
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	03/28/24 22:31	8015B		ms
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	03/28/24 22:31	8015B		ms
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	03/28/24 22:31	8015B		ms

Surrogate: 1-Chlorooctadecane

89.3 % 49.1-148

03/28/24  
22:31

8015B

ms

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Veronica Wells, Project Manager

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**Reported:**  
04/11/24 08:13

**SS02**

**2403221-02 (Soil)**

**Sampled Date: 03/27/24 10:00**

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**

Surrogate: 1-Chlorooctane	84.7 %	48.2-134				03/28/24 22:31	8015B		ms
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**VOLATILES BY GC/MS**

Benzene*	<0.0250	0.0250	0.00885	mg/kg	50	04/08/24 17:36	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	04/08/24 17:36	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	04/08/24 17:36	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	04/08/24 17:36	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	04/08/24 17:36	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	04/08/24 17:36	8260B		MS

Surrogate: 4-Bromofluorobenzene	97.1 %	82.5-117				04/08/24 17:36	8260B		MS
Surrogate: Dibromofluoromethane	90.8 %	84.6-114				04/08/24 17:36	8260B		MS
Surrogate: Toluene-d8	98.3 %	90.4-109				04/08/24 17:36	8260B		MS

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	04/04/24 16:27	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	04/04/24 16:27	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	04/04/24 16:27	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	04/04/24 16:27	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	04/04/24 16:27	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	04/04/24 16:27	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 16:27	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	04/04/24 16:27	8270C		MS
Chrysene	<0.017	0.040	0.017	mg/kg	40	04/04/24 16:27	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 16:27	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	04/04/24 16:27	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	04/04/24 16:27	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	04/04/24 16:27	8270C		MS
Naphthalene*	<0.015	0.040	0.015	mg/kg	40	04/04/24 16:27	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	04/04/24 16:27	8270C		MS

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*Veronica J Wells*

Veronica Wells, Project Manager

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Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

**SS02**

**2403221-02 (Soil)**

**Sampled Date: 03/27/24 10:00**

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

**Polynuclear Aromatic Compounds by GC/MS**

Surrogate: 2-Fluorobiphenyl	72.6 %	7.39-192				04/04/24 16:27	8270C		MS
Surrogate: Nitrobenzene-d5	69.1 %	5.17-184				04/04/24 16:27	8270C		MS
Surrogate: Terphenyl-d14	98.9 %	27.5-139				04/04/24 16:27	8270C		MS

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Project Name / Number: Florida River Gas Plant Cooler Release  
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**Reported:**  
04/11/24 08:13

### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B240803 - General Prep - Wet Chem</b>										
<b>Blank (B240803-BLK1)</b> Prepared: 04/08/24 Analyzed: 04/09/24										
Hexavalent Chromium	ND	0.250	mg/kg dry							
<b>LCS (B240803-BS1)</b> Prepared: 04/08/24 Analyzed: 04/09/24										
Hexavalent Chromium	2.14	0.250	mg/kg dry	2.50		85.7	85-115			

### Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B240755 - General Prep-SOILS</b>										
<b>Blank (B240755-BLK1)</b> Prepared: 04/03/24 Analyzed: 04/05/24										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							
<b>Reference (B240755-SRM1)</b> Prepared: 04/03/24 Analyzed: 04/05/24										
SAR	6.61		No Unit	6.20		107	90-110			
<b>Batch B240756 - Paste Extract</b>										
<b>Reference (B240756-SRM1)</b> Prepared & Analyzed: 04/03/24										
pH	7.60		pH Units	7.35		103	92-108			
<b>Batch B240757 - Paste Extract</b>										
<b>Reference (B240757-SRM1)</b> Prepared & Analyzed: 04/03/24										
Conductivity	6640		umho/cm@25C	6480		102	90-110			

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Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B240776 - EPA 3050

##### Blank (B240776-BLK1)

Prepared: 04/04/24 Analyzed: 04/05/24

Barium	ND	5.00	mg/kg dry
Cadmium	ND	5.00	mg/kg dry
Copper	ND	10.0	mg/kg dry
Lead	ND	10.0	mg/kg dry
Nickel	ND	5.00	mg/kg dry
Selenium	ND	20.0	mg/kg dry
Silver	ND	1.00	mg/kg dry
Zinc	ND	10.0	mg/kg dry

##### LCS (B240776-BS1)

Prepared: 04/04/24 Analyzed: 04/05/24

Barium	184	5.00	mg/kg dry	200	91.9	80-120
Cadmium	175	5.00	mg/kg dry	200	87.3	80-120
Copper	382	10.0	mg/kg dry	400	95.6	80-120
Lead	176	10.0	mg/kg dry	200	88.0	80-120
Nickel	178	5.00	mg/kg dry	200	89.2	80-120
Selenium	758	20.0	mg/kg dry	800	94.7	80-120
Silver	9.02	1.00	mg/kg dry	10.0	90.2	80-120
Zinc	164	10.0	mg/kg dry	200	82.2	80-120

##### LCS Dup (B240776-BSD1)

Prepared: 04/04/24 Analyzed: 04/05/24

Barium	186	5.00	mg/kg dry	200	92.8	80-120	0.904	20
Cadmium	173	5.00	mg/kg dry	200	86.7	80-120	0.772	20
Copper	380	10.0	mg/kg dry	400	95.0	80-120	0.615	20
Lead	174	10.0	mg/kg dry	200	87.2	80-120	0.931	20
Nickel	177	5.00	mg/kg dry	200	88.7	80-120	0.519	20
Selenium	748	20.0	mg/kg dry	800	93.6	80-120	1.22	20
Silver	8.79	1.00	mg/kg dry	10.0	87.9	80-120	2.59	20
Zinc	163	10.0	mg/kg dry	200	81.4	80-120	1.02	20

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Veronica Wells, Project Manager

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Cottonwood Consulting  
PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B240777 - EPA 3050M

##### Blank (B240777-BLK1)

Prepared: 04/04/24 Analyzed: 04/08/24

Arsenic	ND	0.100	mg/kg dry							
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##### LCS (B240777-BS1)

Prepared: 04/04/24 Analyzed: 04/08/24

Arsenic	5.10	0.100	mg/kg dry	5.00		102	80-120			
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##### LCS Dup (B240777-BSD1)

Prepared: 04/04/24 Analyzed: 04/08/24

Arsenic	5.13	0.100	mg/kg dry	5.00		103	80-120	0.658	20	
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### Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B240802 - General Prep-SOILS

##### Blank (B240802-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

Boron	ND	1.20	mg/L							
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Veronica Wells, Project Manager

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PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### 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 4032818 - General Prep - Organics

##### Blank (4032818-BLK1)

Prepared & Analyzed: 03/28/24

Surrogate: 1-Chlorooctadecane	57.8		mg/kg	50.0		116	49.1-148			
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	48.2-134			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							

##### LCS (4032818-BS1)

Prepared & Analyzed: 03/28/24

Surrogate: 1-Chlorooctadecane	59.7		mg/kg	50.0		119	49.1-148			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	48.2-134			
DRO >C10-C28	196	10.0	mg/kg	200		98.1	66.5-118			
GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123			
Total TPH C6-C28	416	10.0	mg/kg	400		104	77.6-123			

##### LCS Dup (4032818-BSD1)

Prepared & Analyzed: 03/28/24

Surrogate: 1-Chlorooctadecane	60.6		mg/kg	50.0		121	49.1-148			
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	48.2-134			
DRO >C10-C28	186	10.0	mg/kg	200		93.0	66.5-118	5.34	21	
GRO C6-C10	209	10.0	mg/kg	200		105	66.4-123	5.10	17.7	
Total TPH C6-C28	395	10.0	mg/kg	400		98.8	77.6-123	5.21	18.5	

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Veronica Wells, Project Manager

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Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### 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 4040333 - Volatiles

##### Blank (4040333-BLK1)

Prepared: 04/03/24 Analyzed: 04/08/24

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	2.56		mg/kg	2.50		102	82.5-117			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	2.22		mg/kg	2.50		88.9	84.6-114			
Ethylbenzene	ND	0.0250	mg/kg							
m+p - Xylene	ND	0.0500	mg/kg							
Naphthalene	ND	0.0250	mg/kg							
o-Xylene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	mg/kg							
<i>Surrogate: Toluene-d8</i>	2.53		mg/kg	2.50		101	90.4-109			
Total Xylenes	ND	0.0750	mg/kg							

##### LCS (4040333-BS1)

Prepared: 04/03/24 Analyzed: 04/08/24

1,2,4-Trimethylbenzene	0.558	0.0250	mg/kg	0.500		112	62.4-140			
1,3,5-Trimethylbenzene	0.540	0.0250	mg/kg	0.500		108	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.57		mg/kg	2.50		103	82.5-117			
Benzene	0.483	0.0250	mg/kg	0.500		96.7	73-130			
<i>Surrogate: Dibromofluoromethane</i>	2.36		mg/kg	2.50		94.5	84.6-114			
Ethylbenzene	0.521	0.0250	mg/kg	0.500		104	75.4-127			
m+p - Xylene	1.08	0.0500	mg/kg	1.00		108	71.8-133			
Naphthalene	0.476	0.0250	mg/kg	0.500		95.2	28.7-158			
o-Xylene	0.522	0.0250	mg/kg	0.500		104	78.6-125			
Toluene	0.529	0.0250	mg/kg	0.500		106	79-122			
<i>Surrogate: Toluene-d8</i>	2.55		mg/kg	2.50		102	90.4-109			
Total Xylenes	1.60	0.0750	mg/kg	1.50		107	74.6-130			

##### LCS Dup (4040333-BSD1)

Prepared: 04/03/24 Analyzed: 04/08/24

1,2,4-Trimethylbenzene	0.509	0.0250	mg/kg	0.500		102	62.4-140	9.05	38.2	
1,3,5-Trimethylbenzene	0.499	0.0250	mg/kg	0.500		99.7	64.4-138	7.93	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	2.57		mg/kg	2.50		103	82.5-117			
Benzene	0.459	0.0250	mg/kg	0.500		91.7	73-130	5.28	17.1	
<i>Surrogate: Dibromofluoromethane</i>	2.26		mg/kg	2.50		90.4	84.6-114			
Ethylbenzene	0.520	0.0250	mg/kg	0.500		104	75.4-127	0.359	16.5	
m+p - Xylene	1.04	0.0500	mg/kg	1.00		104	71.8-133	4.28	19.1	
Naphthalene	0.403	0.0250	mg/kg	0.500		80.7	28.7-158	16.4	64	
o-Xylene	0.498	0.0250	mg/kg	0.500		99.6	78.6-125	4.66	13.2	
Toluene	0.506	0.0250	mg/kg	0.500		101	79-122	4.38	18.3	

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*Veronica J. Wells*

Veronica Wells, Project Manager

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Cottonwood Consulting  
PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### 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 4040333 - Volatiles (Continued)

#### LCS Dup (4040333-BSD1) (Continued)

Prepared: 04/03/24 Analyzed: 04/08/24

Surrogate: Toluene-d8	2.57		mg/kg	2.50		103	90.4-109			
Total Xylenes	1.54	0.0750	mg/kg	1.50		102	74.6-130	4.41	16.5	

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Veronica Wells, Project Manager

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PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### Polynuclear Aromatic Compounds 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 4040117 - SW846-3510

#### Blank (4040117-BLK1)

Prepared: 04/01/24 Analyzed: 04/04/24

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.56</i>		mg/kg	<i>2.00</i>		<i>78.1</i>	<i>7.39-192</i>			
2-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthene	ND	0.040	mg/kg							
Anthracene	ND	0.040	mg/kg							
Benzo[a]anthracene	ND	0.040	mg/kg							
Benzo[a]pyrene	ND	0.040	mg/kg							
Benzo[b]fluoranthene	ND	0.040	mg/kg							
Benzo[k]fluoranthene	ND	0.040	mg/kg							
Chrysene	ND	0.040	mg/kg							
Dibenz[a,h]anthracene	ND	0.040	mg/kg							
Fluoranthene	ND	0.040	mg/kg							
Fluorene	ND	0.040	mg/kg							
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg							
Naphthalene	ND	0.040	mg/kg							
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.53</i>		mg/kg	<i>2.00</i>		<i>76.5</i>	<i>5.17-184</i>			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	<i>1.93</i>		mg/kg	<i>2.00</i>		<i>96.6</i>	<i>27.5-139</i>			

#### LCS (4040117-BS1)

Prepared: 04/01/24 Analyzed: 04/04/24

1-Methylnaphthalene	0.294	0.040	mg/kg	0.400		73.6	47.6-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.43</i>		mg/kg	<i>2.00</i>		<i>71.5</i>	<i>7.39-192</i>			
2-Methylnaphthalene	0.293	0.040	mg/kg	0.400		73.4	48.1-126			
Acenaphthene	0.300	0.040	mg/kg	0.400		75.0	49.4-119			
Acenaphthylene	0.292	0.040	mg/kg	0.400		73.0	50.2-124			
Anthracene	0.296	0.040	mg/kg	0.400		73.9	51.9-120			
Benzo[a]anthracene	0.306	0.040	mg/kg	0.400		76.6	49.9-123			
Benzo[a]pyrene	0.301	0.040	mg/kg	0.400		75.2	52.9-126			
Benzo[b]fluoranthene	0.299	0.040	mg/kg	0.400		74.8	52.1-125			
Benzo[g,h,i]perylene	0.300	0.040	mg/kg	0.400		74.9	50.7-130			
Benzo[k]fluoranthene	0.317	0.040	mg/kg	0.400		79.2	49.3-131			
Carbazole	0.317	0.040	mg/kg	0.400		79.3	54-123			
Chrysene	0.304	0.040	mg/kg	0.400		76.1	50.1-125			
Dibenz[a,h]anthracene	0.299	0.040	mg/kg	0.400		74.8	51.7-129			
Fluoranthene	0.311	0.040	mg/kg	0.400		77.7	54.9-126			
Fluorene	0.291	0.040	mg/kg	0.400		72.6	50.1-126			
Indeno[1,2,3-cd]pyrene	0.307	0.040	mg/kg	0.400		76.7	50-132			
Naphthalene	0.303	0.040	mg/kg	0.400		75.7	46.9-122			

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Veronica Wells, Project Manager

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PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

**Polynuclear Aromatic Compounds 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 4040117 - SW846-3510 (Continued)**

**LCS (4040117-BS1) (Continued)**

Prepared: 04/01/24 Analyzed: 04/04/24

Surrogate: Nitrobenzene-d5	1.45		mg/kg	2.00		72.7	5.17-184			
Phenanthrene	0.309	0.040	mg/kg	0.400		77.3	53.6-120			
Pyrene	0.309	0.040	mg/kg	0.400		77.2	50.2-124			
Surrogate: Terphenyl-dl4	1.77		mg/kg	2.00		88.4	27.5-139			

**LCS Dup (4040117-BSD1)**

Prepared: 04/01/24 Analyzed: 04/04/24

1-Methylnaphthalene	0.298	0.040	mg/kg	0.400		74.6	47.6-126	1.37	6.22	
Surrogate: 2-Fluorobiphenyl	1.41		mg/kg	2.00		70.5	7.39-192			
2-Methylnaphthalene	0.298	0.040	mg/kg	0.400		74.5	48.1-126	1.57	6.23	
Acenaphthene	0.295	0.040	mg/kg	0.400		73.7	49.4-119	1.68	8.18	
Acenaphthylene	0.304	0.040	mg/kg	0.400		76.0	50.2-124	4.00	5	
Anthracene	0.287	0.040	mg/kg	0.400		71.9	51.9-120	2.84	3.68	
Benzo[a]anthracene	0.304	0.040	mg/kg	0.400		76.0	49.9-123	0.764	9.01	
Benzo[a]pyrene	0.305	0.040	mg/kg	0.400		76.3	52.9-126	1.35	4.92	
Benzo[b]fluoranthene	0.306	0.040	mg/kg	0.400		76.4	52.1-125	2.13	7.63	
Benzo[g,h,i]perylene	0.303	0.040	mg/kg	0.400		75.6	50.7-130	0.983	12.5	
Benzo[k]fluoranthene	0.305	0.040	mg/kg	0.400		76.2	49.3-131	3.82	10.6	
Carbazole	0.303	0.040	mg/kg	0.400		75.8	54-123	4.60	8.65	
Chrysene	0.307	0.040	mg/kg	0.400		76.7	50.1-125	0.811	21.8	
Dibenz[a,h]anthracene	0.299	0.040	mg/kg	0.400		74.8	51.7-129	0.0401	11.6	
Fluoranthene	0.302	0.040	mg/kg	0.400		75.5	54.9-126	2.97	7.54	
Fluorene	0.290	0.040	mg/kg	0.400		72.4	50.1-126	0.248	5.49	
Indeno[1,2,3-cd]pyrene	0.309	0.040	mg/kg	0.400		77.1	50-132	0.523	22.3	
Naphthalene	0.303	0.040	mg/kg	0.400		75.9	46.9-122	0.181	4.56	
Surrogate: Nitrobenzene-d5	1.43		mg/kg	2.00		71.6	5.17-184			
Phenanthrene	0.300	0.040	mg/kg	0.400		75.0	53.6-120	3.05	5.21	
Pyrene	0.318	0.040	mg/kg	0.400		79.5	50.2-124	2.98	10.6	
Surrogate: Terphenyl-dl4	1.76		mg/kg	2.00		88.1	27.5-139			

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*Veronica J. Wells*

Veronica Wells, Project Manager

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Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### Notes and Definitions

M5 Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.

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

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Veronica Wells, Project Manager

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Project: Table 915-1  
Project Name / Number: Florida River Gas Plant Cooler Release  
Project Manager: Kyle Siesser

**Reported:**  
04/11/24 08:13

### Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
2403221-01	Hexavalent Chromium [SOLID]	Hexavalent Chromium	M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.

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**Note:** Wite-Out™ or similar products cannot be used on the Chain of Custody

[illegible]

11) **PLEASE NOTE:** GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by the client, regardless of whether such claim is based upon any of the above stated terms or otherwise.

Relinquished By: 	Date: 3-27-24	Received By: 	Date: 3-27-24		ADDITIONAL REMARKS:		
	Time: 1100		Time: 1100				
Relinquished By: 	Date: _____	Received By: _____	Date: _____	Date: _____	Temperature at receipt: 9.0 °C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Therm. used: 
	Time: _____		Time: _____	Time: _____			
Relinquished By: _____	Date: _____	Received By: _____	Date: _____	Date: _____	Temperature at receipt: _____ °C	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Therm. used: _____
	Time: _____		Time: _____	Time: _____			

CAI cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.





## SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood ConsultingWork Order # 2403-221Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ NoSeals Intact: ☐ Yes ☐ NoThermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ NoneCooler Temp: Observed Temp: 9.0 °C Correction Factor: 0 °C Final Temp: 9.0 °C

\* Temp should be above freezing to 6°C

Date/Initials of person examining contents: CDV 9/21Labeled by initials: \_\_\_\_\_  
(if different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes Date/Time/ID		
Matrix:	WT <input checked="" type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

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