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20 February 2023

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: COGCC Table 915-1

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 12:15. 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 'Jeremy D. Allen'.

Jeremy D Allen
Laboratory Director

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: T104704514-23-16

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



Cottonwood Consulting	Project: COGCC Table 915-1	
PO Box 1653	Project Name / Number: Bert Eaton (OWP) #1 Piceance 7 Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	2301184-01	Solid	01/26/23 10:45	01/27/23 12:15	

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Jeremy D Allen, Laboratory Director

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SS01

2301184-01 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.128	mg/kg dry	25	02/07/23 12:00	3060A/3500-Cr B		AES
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Saturated Paste Extraction

Calcium	54.7	0.100	0.058	mg/L	1	02/08/23 17:09	EPA200.7		AES
Conductivity	485			umho/cm@25 C	1	02/08/23 09:00	ASA#9 10-3.3		KRW
Magnesium	18.0	0.100	0.065	mg/L	1	02/08/23 17:09	EPA200.7		AES
pH	8.06			pH Units	1	02/08/23 09:00	ASA#9 10-3.2		KRW
SAR	0.70			No Unit	1	02/08/23 17:09	Calculation		AES
Sodium	23.2	1.00	0.079	mg/L	1	02/08/23 17:09	EPA200.7		AES

Total Metals by ICP

Barium	166	5.00	1.10	mg/kg dry	100	02/07/23 15:06	6010B		AES
Cadmium	<5.00	5.00	2.54	mg/kg dry	100	02/07/23 15:06	6010B		AES
Chromium	12.8	5.00	1.58	mg/kg dry	100	02/07/23 15:06	6010B		AES
Copper	10.8	5.00	2.83	mg/kg dry	100	02/07/23 15:06	6010B		AES
Lead	10.7	10.0	4.02	mg/kg dry	100	02/07/23 15:06	6010B		AES
Nickel	13.0	5.00	2.41	mg/kg dry	100	02/07/23 15:06	6010B		AES
Selenium	<20.0	20.0	5.39	mg/kg dry	100	02/07/23 15:05	6010B		AES
Silver	<1.00	1.00	0.518	mg/kg dry	100	02/07/23 15:05	6010B		AES
Zinc	55.0	10.0	2.18	mg/kg dry	100	02/07/23 15:06	6010B		AES

Total Metals by ICPMS

Arsenic	7.87	0.100	0.0158	mg/kg dry	100	02/08/23 12:54	6020A		AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	02/08/23 17:30	EPA200.7		AES
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	02/08/23 15:26	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	02/08/23 15:26	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	02/08/23 15:26	8015B		MS

Surrogate: 1-Chlorooctane			107 %	48.2-134		02/08/23 15:26	8015B		MS
Surrogate: 1-Chlorooctadecane			115 %	49.1-148		02/08/23 15:26	8015B		MS

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SS01

2301184-01 (Soil)

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

VOLATILES BY GC/MS

Benzene*	<0.0250	0.0250	0.00885	mg/kg	50	02/08/23 15:24	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	02/08/23 15:24	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	02/08/23 15:24	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	02/08/23 15:24	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	02/08/23 15:24	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	02/08/23 15:24	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	02/08/23 15:24	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	02/08/23 15:24	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	02/08/23 15:24	8260B		MS
Surrogate: Dibromofluoromethane			91.7 %	84.6-114		02/08/23 15:24	8260B		MS
Surrogate: Toluene-d8			100 %	90.4-109		02/08/23 15:24	8260B		MS
Surrogate: 4-Bromofluorobenzene			99.0 %	82.5-117		02/08/23 15:24	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	02/15/23 14:51	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	02/15/23 14:51	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	02/15/23 14:51	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	02/15/23 14:51	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	02/15/23 14:51	8270C		MS
Anthracene*	0.039	0.040	0.017	mg/kg	40	02/15/23 14:51	8270C	J	MS
Fluoranthene*	0.047	0.040	0.019	mg/kg	40	02/15/23 14:51	8270C		MS
Pyrene*	0.052	0.040	0.013	mg/kg	40	02/15/23 14:51	8270C		MS
Benzo[a]anthracene*	0.026	0.040	0.023	mg/kg	40	02/15/23 14:51	8270C	J	MS
Chrysene	0.065	0.040	0.017	mg/kg	40	02/15/23 14:51	8270C		MS
Benzo[b]fluoranthene*	0.109	0.040	0.019	mg/kg	40	02/15/23 14:51	8270C		MS
Benzo[k]fluoranthene*	0.027	0.040	0.016	mg/kg	40	02/15/23 14:51	8270C	J	MS
Benzo[a]pyrene*	0.030	0.040	0.018	mg/kg	40	02/15/23 14:51	8270C	J	MS
Indeno[1,2,3-cd]pyrene*	0.062	0.040	0.017	mg/kg	40	02/15/23 14:51	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	02/15/23 14:51	8270C		MS
Surrogate: Nitrobenzene-d5			102 %	39.6-121		02/15/23 14:51	8270C		MS

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Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

SS01

2301184-01 (Soil)

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	108 %	39.8-134				02/15/23 14:51	8270C		MS
Surrogate: Terphenyl-d14	97.4 %	33.3-136				02/15/23 14:51	8270C		MS

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Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B230246 - General Prep - Wet Chem										
Blank (B230246-BLK1) Prepared: 02/02/23 Analyzed: 02/07/23										
Hexavalent Chromium	ND	0.250	mg/kg dry							
LCS (B230246-BS1) Prepared: 02/02/23 Analyzed: 02/07/23										
Hexavalent Chromium	2.15	0.250	mg/kg dry	2.50		86.1	85-115			

Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B230274 - Paste Extract										
Blank (B230274-BLK1) Prepared: 02/07/23 Analyzed: 02/08/23										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							
Reference (B230274-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23										
SAR	2.71		No Unit	2.93		92.4	90-110			
Batch B230275 - Paste Extract										
Reference (B230275-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23										
pH	6.90		pH Units	7.08		97.5	92-108			
Batch B230276 - Paste Extract										
Reference (B230276-SRM1) Prepared: 02/07/23 Analyzed: 02/08/23										
Conductivity	3940		umho/cm@2 5C	4000		98.5	90-110			

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Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

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 B230235 - EPA 3050

Blank (B230235-BLK1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	ND	5.00	mg/kg dry							
Cadmium	ND	5.00	mg/kg dry							
Chromium	ND	5.00	mg/kg dry							
Copper	ND	5.00	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 (B230235-BS1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	188	5.00	mg/kg dry	200		94.1	80-120			
Cadmium	176	5.00	mg/kg dry	200		88.1	80-120			
Chromium	191	5.00	mg/kg dry	200		95.7	80-120			
Copper	395	5.00	mg/kg dry	400		98.8	80-120			
Lead	179	10.0	mg/kg dry	200		89.3	80-120			
Nickel	181	5.00	mg/kg dry	200		90.4	80-120			
Selenium	797	20.0	mg/kg dry	800		99.7	80-120			
Silver	9.33	1.00	mg/kg dry	10.0		93.3	80-120			
Zinc	168	10.0	mg/kg dry	200		84.0	80-120			

LCS Dup (B230235-BSD1)

Prepared: 02/01/23 Analyzed: 02/07/23

Barium	186	5.00	mg/kg dry	200		92.9	80-120	1.27	20	
Cadmium	174	5.00	mg/kg dry	200		86.9	80-120	1.36	20	
Chromium	188	5.00	mg/kg dry	200		94.1	80-120	1.68	20	
Copper	389	5.00	mg/kg dry	400		97.2	80-120	1.63	20	
Lead	176	10.0	mg/kg dry	200		88.2	80-120	1.29	20	
Nickel	178	5.00	mg/kg dry	200		89.1	80-120	1.47	20	
Selenium	783	20.0	mg/kg dry	800		97.8	80-120	1.87	20	
Silver	9.30	1.00	mg/kg dry	10.0		93.0	80-120	0.279	20	
Zinc	165	10.0	mg/kg dry	200		82.6	80-120	1.72	20	

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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 B230237 - EPA 3050M

Blank (B230237-BLK1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	ND	0.100	mg/kg dry							
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LCS (B230237-BS1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	5.13	0.100	mg/kg dry	5.00		103	80-120			
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LCS Dup (B230237-BSD1)

Prepared: 02/01/23 Analyzed: 02/08/23

Arsenic	5.11	0.100	mg/kg dry	5.00		102	80-120	0.444	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 B230281 - Hot Water Soluble Metals Extract

Blank (B230281-BLK1)

Prepared & Analyzed: 02/08/23

Boron	ND	1.20	mg/L							
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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 3020728 - General Prep - Organics

Blank (3020728-BLK1)

Prepared & Analyzed: 02/08/23

Surrogate: 1-Chlorooctadecane	66.7		mg/kg	50.0		133	49.1-148			
Surrogate: 1-Chlorooctane	63.3		mg/kg	50.0		127	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 (3020728-BS1)

Prepared & Analyzed: 02/08/23

Surrogate: 1-Chlorooctadecane	70.6		mg/kg	50.0		141	49.1-148			
Surrogate: 1-Chlorooctane	63.6		mg/kg	50.0		127	48.2-134			
DRO >C10-C28	219	10.0	mg/kg	200		109	72.5-126			
GRO C6-C10	215	10.0	mg/kg	200		108	78.5-124			
Total TPH C6-C28	434	10.0	mg/kg	400		108	77.6-123			

LCS Dup (3020728-BSD1)

Prepared & Analyzed: 02/08/23

Surrogate: 1-Chlorooctadecane	73.4		mg/kg	50.0		147	49.1-148			
Surrogate: 1-Chlorooctane	65.3		mg/kg	50.0		131	48.2-134			
DRO >C10-C28	214	10.0	mg/kg	200		107	72.5-126	1.99	21	
GRO C6-C10	205	10.0	mg/kg	200		103	78.5-124	4.75	17.7	
Total TPH C6-C28	419	10.0	mg/kg	400		105	77.6-123	3.35	18.5	

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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 3020803 - Volatiles

Blank (3020803-BLK1)

Prepared & Analyzed: 02/08/23

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	1.26		mg/kg	1.25		101	82.5-117			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	1.19		mg/kg	1.25		94.9	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>	1.26		mg/kg	1.25		100	90.4-109			
Total Xylenes	ND	0.0750	mg/kg							

LCS (3020803-BS1)

Prepared & Analyzed: 02/08/23

1,2,4-Trimethylbenzene	0.488	0.0250	mg/kg	0.500		97.7	62.4-140			
1,3,5-Trimethylbenzene	0.494	0.0250	mg/kg	0.500		98.8	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	1.27		mg/kg	1.25		101	82.5-117			
Benzene	0.478	0.0250	mg/kg	0.500		95.6	73-130			
<i>Surrogate: Dibromofluoromethane</i>	1.24		mg/kg	1.25		99.3	84.6-114			
Ethylbenzene	0.499	0.0250	mg/kg	0.500		99.8	75.4-127			
m+p - Xylene	0.984	0.0500	mg/kg	1.00		98.4	71.8-133			
Naphthalene	0.477	0.0250	mg/kg	0.500		95.4	28.7-158			
o-Xylene	0.487	0.0250	mg/kg	0.500		97.4	78.6-125			
Toluene	0.492	0.0250	mg/kg	0.500		98.3	79-122			
<i>Surrogate: Toluene-d8</i>	1.28		mg/kg	1.25		102	90.4-109			
Total Xylenes	1.47	0.0750	mg/kg	1.50		98.1	74.6-130			

LCS Dup (3020803-BSD1)

Prepared & Analyzed: 02/08/23

1,2,4-Trimethylbenzene	0.477	0.0250	mg/kg	0.500		95.3	62.4-140	2.45	38.2	
1,3,5-Trimethylbenzene	0.494	0.0250	mg/kg	0.500		98.7	64.4-138	0.0952	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	1.22		mg/kg	1.25		97.9	82.5-117			
Benzene	0.462	0.0250	mg/kg	0.500		92.5	73-130	3.33	17.1	
<i>Surrogate: Dibromofluoromethane</i>	1.22		mg/kg	1.25		97.7	84.6-114			
Ethylbenzene	0.483	0.0250	mg/kg	0.500		96.6	75.4-127	3.32	16.5	
m+p - Xylene	0.950	0.0500	mg/kg	1.00		95.0	71.8-133	3.51	19.1	
Naphthalene	0.425	0.0250	mg/kg	0.500		85.1	28.7-158	11.4	64	
o-Xylene	0.469	0.0250	mg/kg	0.500		93.8	78.6-125	3.81	13.2	
Toluene	0.480	0.0250	mg/kg	0.500		96.0	79-122	2.38	18.3	

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Jeremy D Allen, Laboratory Director

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Cottonwood Consulting	Project: COGCC Table 915-1	
PO Box 1653	Project Name / Number: Bert Eaton (OWP) #1 Piceance 7 Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

**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 3020803 - Volatiles (Continued)

LCS Dup (3020803-BSD1) (Continued)

Prepared & Analyzed: 02/08/23

Surrogate: Toluene-d8	1.27		mg/kg	1.25		102	90.4-109			
Total Xylenes	1.42	0.0750	mg/kg	1.50		94.6	74.6-130	3.61	16.5	

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Cottonwood Consulting	Project: COGCC Table 915-1	
PO Box 1653	Project Name / Number: Bert Eaton (OWP) #1 Piceance 7 Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

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 3020809 - SW846-3510

Blank (3020809-BLK1)

Prepared: 02/08/23 Analyzed: 02/15/23

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	2.23		mg/kg	2.00		112	39.8-134			
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]flouranthene	ND	0.040	mg/kg							
Benzo[k]flouranthene	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>	2.17		mg/kg	2.00		108	39.6-121			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	1.60		mg/kg	2.00		80.2	33.3-136			

LCS (3020809-BS1)

Prepared: 02/08/23 Analyzed: 02/15/23

1-Methylnaphthalene	0.343	0.040	mg/kg	0.400		85.7	57.6-108			
<i>Surrogate: 2-Fluorobiphenyl</i>	1.98		mg/kg	2.00		99.0	39.8-134			
2-Methylnaphthalene	0.333	0.040	mg/kg	0.400		83.3	59-106			
Acenaphthene	0.305	0.040	mg/kg	0.400		76.2	60.9-105			
Acenaphthylene	0.303	0.040	mg/kg	0.400		75.6	57.4-107			
Anthracene	0.300	0.040	mg/kg	0.400		75.1	60.8-105			
Benzo[a]anthracene	0.302	0.040	mg/kg	0.400		75.5	56.1-121			
Benzo[a]pyrene	0.294	0.040	mg/kg	0.400		73.4	56.7-115			
Benzo[b]flouranthene	0.292	0.040	mg/kg	0.400		73.0	45.4-128			
Benzo[g,h,i]perylene	0.295	0.040	mg/kg	0.400		73.8	56.5-107			
Benzo[k]flouranthene	0.285	0.040	mg/kg	0.400		71.1	49.6-119			
Carbazole	0.319	0.040	mg/kg	0.400		79.8	59.7-107			
Chrysene	0.306	0.040	mg/kg	0.400		76.5	12.2-190			
Dibenz[a,h]anthracene	0.307	0.040	mg/kg	0.400		76.6	59.1-111			
Fluoranthene	0.313	0.040	mg/kg	0.400		78.2	60.6-111			
Fluorene	0.307	0.040	mg/kg	0.400		76.7	59.3-108			
Indeno[1,2,3-cd]pyrene	0.302	0.040	mg/kg	0.400		75.6	53.4-116			
Naphthalene	0.331	0.040	mg/kg	0.400		82.8	56.5-106			

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Cottonwood Consulting	Project: COGCC Table 915-1	
PO Box 1653	Project Name / Number: Bert Eaton (OWP) #1 Piceance 7 Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

**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 3020809 - SW846-3510 (Continued)

LCS (3020809-BS1) (Continued)

Prepared: 02/08/23 Analyzed: 02/15/23

<i>Surrogate: Nitrobenzene-d5</i>	1.92		mg/kg	2.00		96.2	39.6-121			
Phenanthrene	0.313	0.040	mg/kg	0.400		78.2	59.9-107			
Pyrene	0.293	0.040	mg/kg	0.400		73.3	51.5-122			
<i>Surrogate: Terphenyl-d14</i>	1.81		mg/kg	2.00		90.7	33.3-136			

LCS Dup (3020809-BSD1)

Prepared: 02/08/23 Analyzed: 02/15/23

1-Methylnaphthalene	0.328	0.040	mg/kg	0.400		82.0	57.6-108	4.42	6.22	
<i>Surrogate: 2-Fluorobiphenyl</i>	1.94		mg/kg	2.00		97.2	39.8-134			
2-Methylnaphthalene	0.324	0.040	mg/kg	0.400		81.1	59-106	2.72	6.23	
Acenaphthene	0.299	0.040	mg/kg	0.400		74.7	60.9-105	1.98	8.18	
Acenaphthylene	0.301	0.040	mg/kg	0.400		75.2	57.4-107	0.530	5	
Anthracene	0.301	0.040	mg/kg	0.400		75.3	60.8-105	0.296	3.68	
Benzo[a]anthracene	0.307	0.040	mg/kg	0.400		76.8	56.1-121	1.72	9.01	
Benzo[a]pyrene	0.299	0.040	mg/kg	0.400		74.7	56.7-115	1.77	4.92	
Benzo[b]fluoranthene	0.302	0.040	mg/kg	0.400		75.6	45.4-128	3.46	7.63	
Benzo[g,h,i]perylene	0.323	0.040	mg/kg	0.400		80.8	56.5-107	9.14	12.5	
Benzo[k]fluoranthene	0.313	0.040	mg/kg	0.400		78.1	49.6-119	9.38	10.6	
Carbazole	0.308	0.040	mg/kg	0.400		77.1	59.7-107	3.48	8.65	
Chrysene	0.305	0.040	mg/kg	0.400		76.2	12.2-190	0.295	21.8	
Dibenz[a,h]anthracene	0.328	0.040	mg/kg	0.400		82.0	59.1-111	6.83	11.6	
Fluoranthene	0.311	0.040	mg/kg	0.400		77.9	60.6-111	0.426	7.54	
Fluorene	0.295	0.040	mg/kg	0.400		73.7	59.3-108	3.98	5.49	
Indeno[1,2,3-cd]pyrene	0.325	0.040	mg/kg	0.400		81.2	53.4-116	7.17	22.3	
Naphthalene	0.327	0.040	mg/kg	0.400		81.8	56.5-106	1.22	4.56	
<i>Surrogate: Nitrobenzene-d5</i>	1.94		mg/kg	2.00		97.1	39.6-121			
Phenanthrene	0.303	0.040	mg/kg	0.400		75.7	59.9-107	3.19	5.21	
Pyrene	0.295	0.040	mg/kg	0.400		73.8	51.5-122	0.615	10.6	
<i>Surrogate: Terphenyl-d14</i>	1.78		mg/kg	2.00		89.0	33.3-136			

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Cottonwood Consulting	Project: COGCC Table 915-1	
PO Box 1653	Project Name / Number: Bert Eaton (OWP) #1 Piceance 7 Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	02/20/23 14:28

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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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SAMPLE CONDITION RECEIPT FORM

2301-184
-185
-186
-187

Client Name: Cottonwood Consulting

Work Order # _____

Courier: Fed Ex UPS USPS Client

Custody Seals on Box/Cooler Present: Yes No

Seals Intact: Yes No

Thermometer Used: #2 Samples on ice, cooling process has begun: Yes No

Type of Ice: Wet Blue None

Cooler Temp: Observed Temp: 2.7 °C Correction Factor: 0 °C Final Temp: 2.7 °C

*Temp should be above freezing to 6°C

Date/Initials of person examining contents: MRN 1/27/2

Labeled 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: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
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: _____

