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27 September 2023

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: Ferguson No. 2 (OWP) F-12

Enclosed are the results of analyses for samples received by the laboratory on 09/20/23 15:23. 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: T104704514-23-17

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



Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: Cottonwood
Project Name / Number: Ferguson No. 2 (OWP) F-12
Project Manager: Kyle Siesser

Reported:
09/27/23 16:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS09	2309225-01	Solid	09/20/23 10:30	09/20/23 15:23	

Green Analytical Laboratories

Veronica Wells, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Cottonwood Consulting PO Box 1653 Durango CO, 81302	Project: Cottonwood Project Name / Number: Ferguson No. 2 (OWP) F-12 Project Manager: Kyle Siesser	Reported: 09/27/23 16:04
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SS09

2309225-01 (Soil)

Sampled Date: 09/20/23 10:30

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*	<10.0	10.0	6.25	mg/kg	1	09/23/23 00:59	8015B		MS
DRO >C10-C28*	16.0	10.0	4.26	mg/kg	1	09/23/23 00:59	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	09/23/23 00:59	8015B		MS
Surrogate: 1-Chlorooctane			96.3 %	48.2-134		09/23/23 00:59	8015B		MS
Surrogate: 1-Chlorooctadecane			110 %	49.1-148		09/23/23 00:59	8015B		MS

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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 3092228 - General Prep - Organics

Blank (3092228-BLK1)

Prepared & Analyzed: 09/22/23

Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	49.1-148			
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.3	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 (3092228-BS1)

Prepared & Analyzed: 09/22/23

Surrogate: 1-Chlorooctadecane	59.1		mg/kg	50.0		118	49.1-148			
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.4	48.2-134			
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118			
GRO C6-C10	222	10.0	mg/kg	200		111	66.4-123			
Total TPH C6-C28	438	10.0	mg/kg	400		109	77.6-123			

LCS Dup (3092228-BSD1)

Prepared & Analyzed: 09/22/23

Surrogate: 1-Chlorooctadecane	58.6		mg/kg	50.0		117	49.1-148			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		99.9	48.2-134			
DRO >C10-C28	213	10.0	mg/kg	200		107	66.5-118	1.43	21	
GRO C6-C10	221	10.0	mg/kg	200		110	66.4-123	0.390	17.7	
Total TPH C6-C28	434	10.0	mg/kg	400		108	77.6-123	0.902	18.5	

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Notes and Definitions

- 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

Client Name: Cottonwood Consulting

Work Order # 2309-225

Courier: Fed Ex UPS USPS Client Kangaroo

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: 16.2 °C Correction Factor: 1 °C Final Temp: 16.2 °C

* Temp should be above freezing to 6°C

Date/Initials of person examining contents: 9/20/23
SR

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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____