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26 September 2023

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: Ferguson (OWP) 2 F-12Y

Enclosed are the results of analyses for samples received by the laboratory on 09/18/23 16:55. 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	Project: Cottonwood	
PO Box 1653	Project Name / Number: Ferguson (OWP) 2 F-12Y	Reported:
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/23 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS02	2309187-01	Solid	09/18/23 11:45	09/18/23 16:55	
SS03	2309187-02	Solid	09/18/23 11:50	09/18/23 16:55	
SS04	2309187-03	Solid	09/18/23 11:55	09/18/23 16:55	
SS05	2309187-04	Solid	09/18/23 12:00	09/18/23 16:55	
SS06	2309187-05	Solid	09/18/23 12:05	09/18/23 16:55	

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Veronica Wells, Project Manager

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SS02

2309187-01 (Soil)

Sampled Date: 09/18/23 11:45

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	09/20/23 19:51	8015B		MS
DRO >C10-C28*	29.2	10.0	4.26	mg/kg	1	09/20/23 19:51	8015B		MS
EXT DRO >C28-C36	15.3	10.0	4.26	mg/kg	1	09/20/23 19:51	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			92.7 %	48.2-134		09/20/23 19:51	8015B		MS
<i>Surrogate: 1-Chlorooctadecane</i>			107 %	49.1-148		09/20/23 19:51	8015B		MS

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SS03

2309187-02 (Soil)

Sampled Date: 09/18/23 11:50

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	09/20/23 20:13	8015B		MS
DRO >C10-C28*	35.2	10.0	4.26	mg/kg	1	09/20/23 20:13	8015B		MS
EXT DRO >C28-C36	30.7	10.0	4.26	mg/kg	1	09/20/23 20:13	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			<i>82.1 %</i>	<i>48.2-134</i>		<i>09/20/23 20:13</i>	<i>8015B</i>		MS
<i>Surrogate: 1-Chlorooctadecane</i>			<i>94.0 %</i>	<i>49.1-148</i>		<i>09/20/23 20:13</i>	<i>8015B</i>		MS

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SS04

2309187-03 (Soil)

Sampled Date: 09/18/23 11:55

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	09/20/23 20:35	8015B		MS
DRO >C10-C28*	58.8	10.0	4.26	mg/kg	1	09/20/23 20:35	8015B		MS
EXT DRO >C28-C36	59.9	10.0	4.26	mg/kg	1	09/20/23 20:35	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			82.8 %	48.2-134		09/20/23 20:35	8015B		MS
<i>Surrogate: 1-Chlorooctadecane</i>			94.9 %	49.1-148		09/20/23 20:35	8015B		MS

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SS05

2309187-04 (Soil)

Sampled Date: 09/18/23 12:00

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

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	09/20/23 20:57	8015B		MS
DRO >C10-C28*	22.6	10.0	4.26	mg/kg	1	09/20/23 20:57	8015B		MS
EXT DRO >C28-C36	16.1	10.0	4.26	mg/kg	1	09/20/23 20:57	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			89.0 %	48.2-134		09/20/23 20:57	8015B		MS
<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		09/20/23 20:57	8015B		MS

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SS06

2309187-05 (Soil)

Sampled Date: 09/18/23 12:05

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	09/20/23 21:18	8015B		MS
DRO >C10-C28*	167	10.0	4.26	mg/kg	1	09/20/23 21:18	8015B		MS
EXT DRO >C28-C36	187	10.0	4.26	mg/kg	1	09/20/23 21:18	8015B		MS
<i>Surrogate: 1-Chlorooctane</i>			<i>90.4 %</i>	<i>48.2-134</i>		<i>09/20/23 21:18</i>	<i>8015B</i>		MS
<i>Surrogate: 1-Chlorooctadecane</i>			<i>109 %</i>	<i>49.1-148</i>		<i>09/20/23 21:18</i>	<i>8015B</i>		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 3092027 - General Prep - Organics

Blank (3092027-BLK1)

Prepared & Analyzed: 09/20/23

Surrogate: 1-Chlorooctadecane	62.9		mg/kg	50.0		126	49.1-148			
Surrogate: 1-Chlorooctane	54.3		mg/kg	50.0		109	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 (3092027-BS1)

Prepared & Analyzed: 09/20/23

Surrogate: 1-Chlorooctadecane	70.8		mg/kg	50.0		142	49.1-148			
Surrogate: 1-Chlorooctane	57.9		mg/kg	50.0		116	48.2-134			
DRO >C10-C28	211	10.0	mg/kg	200		105	66.5-118			
GRO C6-C10	195	10.0	mg/kg	200		97.4	66.4-123			
Total TPH C6-C28	406	10.0	mg/kg	400		101	77.6-123			

LCS Dup (3092027-BSD1)

Prepared & Analyzed: 09/20/23

Surrogate: 1-Chlorooctadecane	61.9		mg/kg	50.0		124	49.1-148			
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	48.2-134			
DRO >C10-C28	209	10.0	mg/kg	200		105	66.5-118	0.815	21	
GRO C6-C10	189	10.0	mg/kg	200		94.6	66.4-123	2.91	17.7	
Total TPH C6-C28	398	10.0	mg/kg	400		99.6	77.6-123	1.81	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 # 2309-197

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: 22.0 °C Correction Factor: 0 °C Final Temp: 22.0 °C

*Temp should be above freezing to 6°C

Date/Initials of person examining contents: 9/19/23
[Signature]
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:	<input checked="" type="checkbox"/> WJ <input type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____