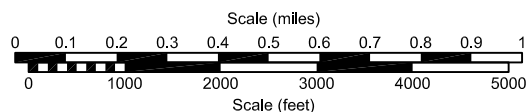
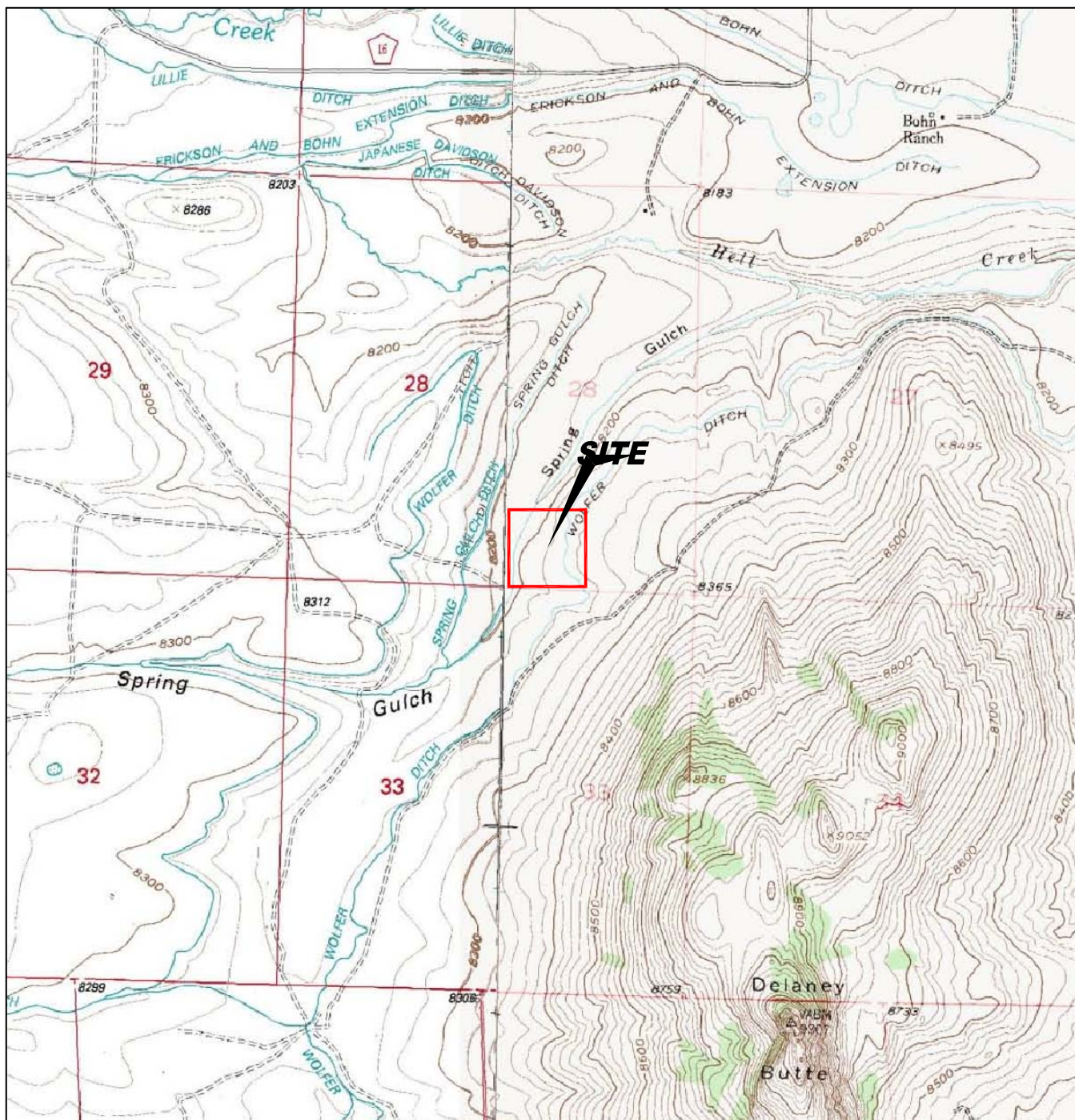


TABLE 1
SUMMARY OF SOIL CHEMISTRY DATA
COLORADO OIL AND GAS CONSERVATION COMMISSION
SPAULDING #2, JACKSON COUNTY, COLORADO
FREMONT PROJECT NO. C018-055

SAMPLE LOCATION	DATE SAMPLED	DEPTH ft	BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	TOTAL XYLENES mg/kg	TPH GRO mg/kg	TPH DRO mg/kg	SAR (units)	pH (pH units)	EC (mmhos/cm)
NE - Surf	06/16/18	0.1	<0.002	<0.005	<0.005	<0.010	1.5	6200	12.4	10.0	1.09
NW - Surf	06/16/18	0.1	<0.002	<0.005	<0.005	<0.010	<0.5	260	14.2	8.81	3.26
S - Surf	06/16/18	0.1	<0.002	<0.005	<0.005	<0.010	<0.5	1200	0.512	8.5	0.22
COGCC Table 910-1 Limits			0.17	85	100	175	500*		<12E+05	<6 or >9	<4

* TPH limit of 500 mg/kg is a summation of TPH-GRO, TPH-ORO and TPH-DRO

Values in boldface exceed the COGCC limits



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

COGCC Margaret Spaulding #2
SW SE Section 28, T9N, R81W
Jackson County, Colorado

Project No.
CO18-055

Prepared by
TDA

Drawn by
TDA

Date
6/28/18

Reviewed by
PH

Filename
18055T2





LEGEND

 MONITORING WELL
 SOIL SAMPLE LOCATION

 BUILDING

Figure 2
SITE PLAN

COCGCC Margaret Spaulding #2
SW SE Section 28, T9N, R81W
Jackson, Colorado

Project No. C018-055	Prepared by TDA	Drawn by TDA
Date 6/28/18	Reviewed by PH	Filename 18055Q2



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 26, 2018

Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Margaret Spaulding #2

Enclosed are the results of analyses for samples received by Summit Scientific on 06/18/18 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Ben Shrewsbury
Laboratory Manager



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2

Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NE - Surf	1806231-01	Soil	06/15/18 15:30	06/18/18 14:00
NW - Surf	1806231-02	Soil	06/15/18 15:40	06/18/18 14:00
S - Surf	1806231-03	Soil	06/15/18 15:45	06/18/18 14:00

Summit Scientific

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.

Summit Scientific

1806231

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-277-9531 Fax

Page 1 of 1

Client: FREMONT

Address:

City/State/Zip:

Phone:

Fax:

Sampler Name: HENEHAN

Project Manager: HENEHAN

E-Mail:

Project Name: MARGARET SPAULDING #2

Project Number: CO18-055

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:						Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GR0/DRO	pH	EC	SAR		
NE - SURF	6/15/18	3:30	2			✓			✓				✓	✓	✓	✓	✓	
NW - SURF	"	3:40	2			✓			✓				✓	✓	✓	✓	✓	
S - SURF	"	3:45	2			✓			✓				✓	✓	✓	✓	✓	
Relinquished by: <u>GAH/FE</u>				Date/Time: <u>6.18.18 1400</u>		Received by: <u>[Signature]</u>				Date/Time: <u>6.18.18 1400</u>		Turn Around Time (Check)						Notes: <u>on ice</u>
Relinquished by:				Date/Time:		Received by:				Date/Time:		Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>						
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Sample Integrity: Temperature Upon Receipt: <u>4.2</u> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						

Sample Receipt Checklist

S2 Work Order: 1806231

Client: Fremont Client Project ID: Margaret Spaulding #2

Shipped Via: Hand Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix (check all that apply): Air ☒ Soil/Solid Water Other: _____
(Describe)

Temp (°C)	<u>4.2</u>
-----------	------------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

UP
Custodian Printed Name or Initials

[Signature]
Signature or Initials of Custodian

6.18.18 1400
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

NE - Surf
1806231-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806274	06/19/18	06/22/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.5	0.50	"	"	"	"	"	"	

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	6200	50	mg/kg	1	1806275	06/19/18	06/20/18	EPA 8015M	

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		150 %	30-150		"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	9970	10.4	mg/kg dry	1	1806297	06/20/18	06/25/18	EPA 6020B	
Magnesium	1360	5.21	"	"	"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

NE - Surf
1806231-01 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Sodium	4980	5.21 mg/kg dry	1	1806297	06/20/18	06/25/18	EPA 6020B
---------------	-------------	----------------	---	---------	----------	----------	-----------

Calculated Analysis

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	12.4	0.100	units	1	1806347	06/25/18	06/25/18	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.9		%	1	1806265	06/19/18	06/20/18	Calculation	
pH	10.0		pH Units	"	1806279	06/19/18	06/19/18	EPA 9045D	

Specific Conductance by EPA Method 120.1

Date Sampled: **06/15/18 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.09	0.0100	mmhos/cm	1	1806280	06/19/18	06/19/18	EPA 120.1	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

NW - Surf
1806231-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806274	06/19/18	06/22/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	260	50	mg/kg	1	1806275	06/19/18	06/21/18	EPA 8015M	

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		55.8 %	30-150		"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7180	10.2	mg/kg dry	1	1806297	06/20/18	06/25/18	EPA 6020B	
Magnesium	976	5.12	"	"	"	"	"	"	
Sodium	4840	5.12	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

NW - Surf
1806231-02 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Calculated Analysis

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	14.2	0.100	units	1	1806347	06/25/18	06/25/18	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.6		%	1	1806265	06/19/18	06/20/18	Calculation	
pH	8.81		pH Units	"	1806279	06/19/18	06/19/18	EPA 9045D	

Specific Conductance by EPA Method 120.1

Date Sampled: **06/15/18 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.26	0.0100	mmhos/cm	1	1806280	06/19/18	06/19/18	EPA 120.1	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

S - Surf
1806231-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806274	06/19/18	06/22/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1200	50	mg/kg	1	1806275	06/19/18	06/21/18	EPA 8015M	

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		79.4 %	30-150		"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1290	10.4	mg/kg dry	1	1806297	06/20/18	06/25/18	EPA 6020B	
Magnesium	97.6	5.21	"	"	"	"	"	"	
Sodium	70.8	5.21	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

S - Surf
1806231-03 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Calculated Analysis

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.512	0.100	units	1	1806347	06/25/18	06/25/18	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.0		%	1	1806265	06/19/18	06/20/18	Calculation	
pH	8.50		pH Units	"	1806279	06/19/18	06/19/18	EPA 9045D	

Specific Conductance by EPA Method 120.1

Date Sampled: **06/15/18 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.220	0.0100	mmhos/cm	1	1806280	06/19/18	06/19/18	EPA 120.1	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2

Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch 1806274 - EPA 5030 Soil MS

Blank (1806274-BLK1)

Prepared & Analyzed: 06/19/18

Benzene	ND	0.0020	mg/kg
Toluene	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Xylenes (total)	ND	0.010	"
Gasoline Range Hydrocarbons	ND	0.50	"

Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0396	95.8	23-173
Surrogate: Toluene-d8	0.0394		"	0.0400	98.6	20-170
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400	96.1	21-167

LCS (1806274-BS1)

Prepared & Analyzed: 06/19/18

Benzene	0.100	0.0020	mg/kg	0.100	100	70-130
Toluene	0.102	0.0050	"	0.100	102	70-130
Ethylbenzene	0.102	0.0050	"	0.100	102	70-130
m,p-Xylene	0.194	0.010	"	0.200	96.8	70-130
o-Xylene	0.0976	0.0050	"	0.100	97.6	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0365		"	0.0396	92.3	23-173
Surrogate: Toluene-d8	0.0407		"	0.0400	102	20-170
Surrogate: 4-Bromofluorobenzene	0.0374		"	0.0400	93.5	21-167

Matrix Spike (1806274-MS1)

Source: 1806222-01

Prepared & Analyzed: 06/19/18

Benzene	0.0972	0.0020	mg/kg	0.100	ND	97.2	70-130
Toluene	0.0982	0.0050	"	0.100	ND	98.2	70-130
Ethylbenzene	0.0947	0.0050	"	0.100	ND	94.7	70-130
m,p-Xylene	0.181	0.010	"	0.200	ND	90.5	70-130
o-Xylene	0.0922	0.0050	"	0.100	ND	92.2	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0372		"	0.0396	93.9	23-173
Surrogate: Toluene-d8	0.0414		"	0.0400	104	20-170
Surrogate: 4-Bromofluorobenzene	0.0378		"	0.0400	94.4	21-167

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1806274 - EPA 5030 Soil MS

Matrix Spike Dup (1806274-MSD1)	Source: 1806222-01			Prepared & Analyzed: 06/19/18						
Benzene	0.0929	0.0020	mg/kg	0.100	ND	92.9	70-130	4.48	30	
Toluene	0.0948	0.0050	"	0.100	ND	94.8	70-130	3.51	30	
Ethylbenzene	0.0934	0.0050	"	0.100	ND	93.4	70-130	1.37	30	
m,p-Xylene	0.177	0.010	"	0.200	ND	88.4	70-130	2.31	30	
o-Xylene	0.0909	0.0050	"	0.100	ND	90.9	70-130	1.51	30	
Surrogate: 1,2-Dichloroethane-d4	0.0367		"	0.0396		92.7	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0400		95.0	21-167			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1806275 - EPA 3550A

Blank (1806275-BLK1)

Prepared & Analyzed: 06/19/18

C10-C28 (DRO) ND 50 mg/kg

LCS (1806275-BS1)

Prepared & Analyzed: 06/19/18

C10-C28 (DRO) 502 50 mg/kg 500 100 70-130

Matrix Spike (1806275-MS1)

Source: 1806222-01

Prepared & Analyzed: 06/19/18

C10-C28 (DRO) 501 50 mg/kg 500 28.0 94.7 70-130

Matrix Spike Dup (1806275-MSD1)

Source: 1806222-01

Prepared & Analyzed: 06/19/18

C10-C28 (DRO) 530 50 mg/kg 500 28.0 100 70-130 5.52 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2
Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis - Quality Control
Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch 1806297 - General Preparation

Blank (1806297-BLK1)

Prepared: 08/12/17 Analyzed: 06/23/18

Calcium	ND	10.0	mg/kg wet
Magnesium	ND	5.00	"
Sodium	ND	5.00	"

LCS (1806297-BS1)

Prepared: 08/12/17 Analyzed: 06/23/18

Calcium	567	10.0	mg/kg wet	500	113	70-130
Magnesium	585	5.00	"	500	117	70-130
Sodium	545	5.00	"	500	109	70-130

Duplicate (1806297-DUP1)

Source: 1806228-36

Prepared: 08/12/17 Analyzed: 06/23/18

Calcium	4730	13.4	mg/kg dry	4070	15.1	20
Magnesium	412	6.68	"	345	17.6	20
Sodium	369	6.68	"	373	0.927	20

Matrix Spike (1806297-MS1)

Source: 1806228-36

Prepared: 08/12/17 Analyzed: 06/23/18

Calcium	4730	13.4	mg/kg dry	668	4070	100	70-130
Magnesium	983	6.68	"	668	345	95.5	70-130
Sodium	1040	6.68	"	668	373	100	70-130

Matrix Spike Dup (1806297-MSD1)

Source: 1806228-36

Prepared: 08/12/17 Analyzed: 06/23/18

Calcium	4930	13.4	mg/kg dry	668	4070	130	70-130	4.15	25
Magnesium	1000	6.68	"	668	345	98.1	70-130	1.76	25
Sodium	1030	6.68	"	668	373	98.5	70-130	1.20	25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2

Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1806265 - General Preparation

Duplicate (1806265-DUP1) **Source: 1806180-01** Prepared: 06/19/18 Analyzed: 06/20/18

% Solids	82.2		%		81.6			0.790	20	
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Batch 1806279 - General Preparation

Duplicate (1806279-DUP1) **Source: 1806185-01** Prepared & Analyzed: 06/19/18

pH	7.2		pH Units		7.2			0.415	20	
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2

Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

Specific Conductance by EPA Method 120.1 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1806280 - General Preparation

Duplicate (1806280-DUP1)

Source: 1806180-01

Prepared & Analyzed: 06/19/18

Specific Conductance (EC)	3.87	0.0100	mmhos/cm	3.87	0.0904	20
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Summit Scientific

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Margaret Spaulding #2

Project Number: C018-055
Project Manager: Paul Henehan

Reported:
06/26/18 08:04

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
RPD	Relative Percent Difference