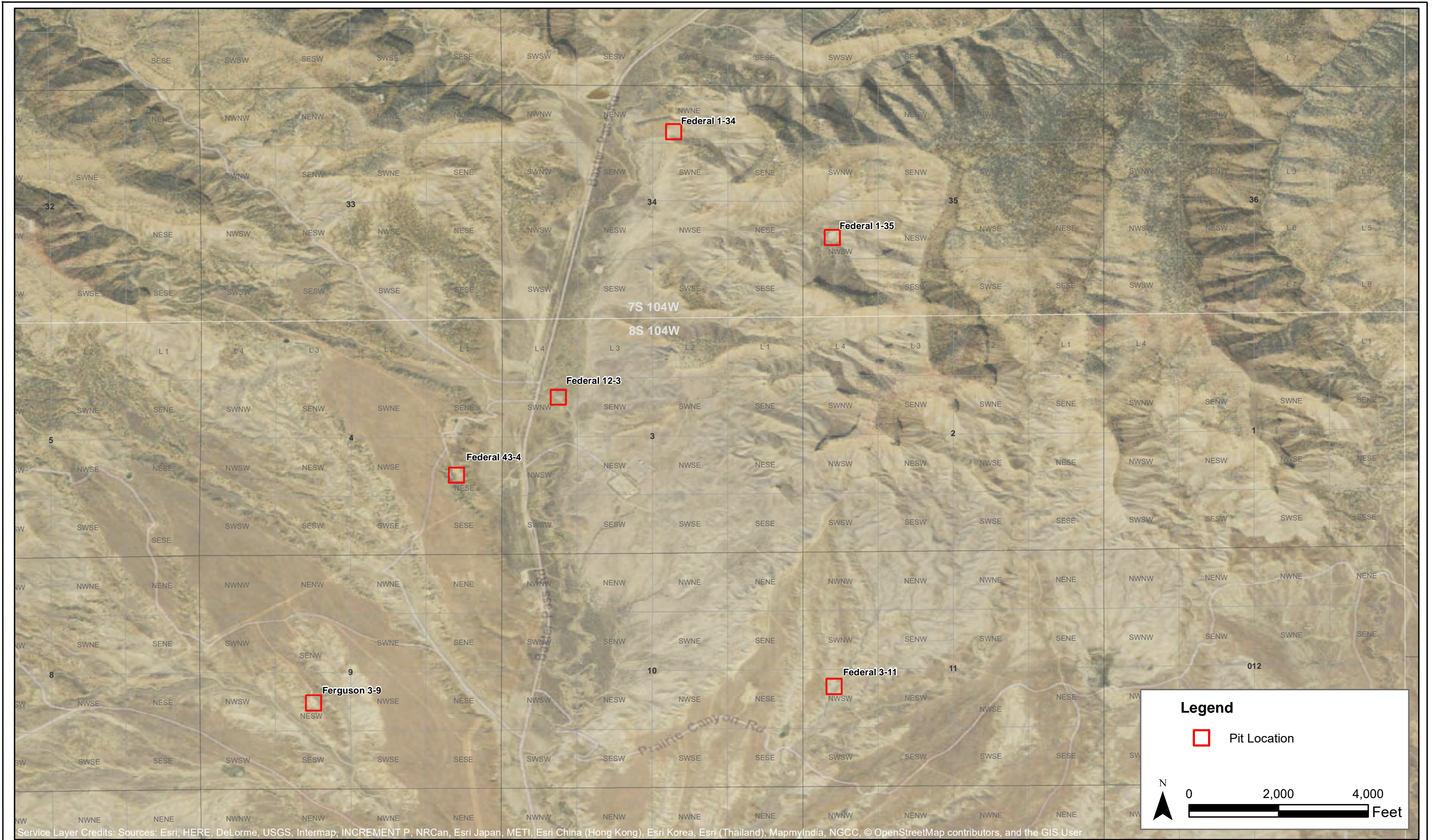


FIGURES



DATE:	September 2016
DESIGNED BY:	R. Comez
DRAWN BY:	D. Arnold



Tasman Geosciences, Inc.
6899 Pecos Street - Unit C
Denver, CO 80221

Foundation Energy Management, LLC
Western Slope Pit Assessment
Garfield County, Colorado

Site Locations Overview
Map

Figure
1



DATE:	August 2, 2017
DESIGNED BY:	R. Cornez
DRAWN BY:	D. Arnold



Foundation Energy Management, LLC
Federal 3-11
NWSW, Section 11, Township 8 South, Range 104 West
Garfield County, Colorado

Soil and Groundwater Sample
Location Map

FIGURE
2

ANALYTICAL TABLES

TABLE 1
Federal 3-11 Former Pit Location
Soil Sample Analytical Results
Foundation Energy Management

Sample ID	Date Sampled	BTEX				TPH		pH	EC (mmhos/cm)
		Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)		
Table 910-1 Allowable Concentrations		0.17	85	100	175	500		6-9	<4
Federal 3-11: RN@15'	07/18/2017	0.048	< 0.0050	0.087	0.91	10	< 50	6.85	14.3*
Federal 3-11: RS@15'	07/18/2017	0.031	< 0.0050	0.083	0.90	10	< 50	7.31	12.2*
Federal 3-11: RW@15'	07/18/2017	0.023	< 0.0050	0.027	0.46	22	53	7.82	12.2*
Federal 3-11: RE@15'	07/18/2017	< 0.0020	< 0.0050	< 0.0050	0.019	2.1	54	7.75	10.6*
CS01	07/18/2017	0.19	2.8	0.52	28	300	64	7.47	7.48*
CS02	07/18/2017	0.033	0.048	0.18	2.1	62	75	7.35	10.0*
CS03	07/18/2017	0.023	0.072	0.14	1.8	71	150	7.65	9.96*
CS04	07/18/2017	0.053	0.18	0.26	19	280	280	7.96	8.44*
CS01R	07/21/2017	< 0.10	< 10	< 10	< 10	< 50	120	7.89	16.0*
CS04R	07/21/2017	< 0.10	< 10	< 10	< 10	< 50	< 50	7.95	5.28*

Red Text = Constituent concentration exceeds COGCC Table 910-1 standard

< = Constituent concentration less than the listed laboratory reporting limit

* = Sample collected below the designated root zone

mg/kg = Milligrams per Kilogram

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

EC = Electrical Conductivity

TABLE 2
Federal 3-11 Former Pit Location
Groundwater Sample Analytical Results
Foundation Energy Management

Sample ID	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
Table 910-1 Allowable Concentrations		5	560	700	1,400
GW01	07/21/2017	160	1.4	5.7	46
GW02	07/25/2017	< 1.0	< 1.0	< 1.0	< 2.0

Red Text = Constituent concentration exceeds COGCC Table 910-1 standard

< = Constituent concentration less than the listed laboratory reporting limit

µg/L = Micrograms per Liter

**ATTACHMENT A
LABORATORY
ANALYTICAL REPORTS**

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 19, 2017

Bob Cornez
Foundation Energy, LLC
15 E 15th St
Tulsa, OK 74103
RE: Federal 3-11

Enclosed are the results of analyses for samples received by Summit Scientific on 07/18/17 19:00. 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
President



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RN@15'	1707123-01	Soil	07/18/17 09:30	07/18/17 19:00
RS@15'	1707123-02	Soil	07/18/17 09:35	07/18/17 19:00
RW@15'	1707123-03	Soil	07/18/17 09:40	07/18/17 19:00
RE@15'	1707123-04	Soil	07/18/17 09:45	07/18/17 19:00
CS01	1707123-05	Soil	07/18/17 10:00	07/18/17 19:00
CS02	1707123-06	Soil	07/18/17 10:05	07/18/17 19:00
CS03	1707123-07	Soil	07/18/17 10:10	07/18/17 19:00
CS04	1707123-08	Soil	07/18/17 10:15	07/18/17 19:00

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

Summit Scientific 1707123

S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Foundation Energy Project Manager: Bob Cornez
Address: _____ E-Mail: RCornez@texas-geo.com
City/State/Zip: _____
Phone: _____ Fax: _____ Project Name: Federal 3-11
Sampler Name: Paul Dow Project Number: _____

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX	TPH-GRO	TPH-DRO	PH	EC		
1	RNC 15'	07/18/17	09:30	1			X			X				X	X	X	X		
2	RS@ 15'		09:35	1			X			X				X	X	X	X		
3	RWC 15'		09:40	1			X			X				X	X	X	X		
4	REC 15'		09:45	1			X			X				X	X	X	X		
5	CS01		10:00	1			X			X				X	X	X	X		
6	CS02		10:05	1			X			X				X	X	X	X		
7	CS03		10:10	1			X			X				X	X	X	X		
8	CS04	✓	10:15	1			X			X				X	X	X	X		
9				X															
10																			

Relinquished by: <u>Paul Dow</u>	Date/Time: <u>7/18/17 15:15</u>	Received by: <u>MD</u>	Date/Time: <u>7/18/17 15:15</u>	Turn Around Time (Check)	Notes: <u>on ice</u>
Relinquished by: <u>MD</u>	Date/Time: <u>7/18/17 1900</u>	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours	
				24 hours <input type="checkbox"/> Standard	
				48 hours <input type="checkbox"/>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:	
				Temperature Upon Receipt: <u>1.7°C</u>	
				Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	

www.s2scientific.com

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

Sample Receipt Checklist

S2 Work Order: 1707123

Client: Foundation Energy Client Project ID: Federal 3-11

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

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

Cooler ID					
Temp (°C)	<u>1.7</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⁾ ?				
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>			
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

7/18/17 1920
Date/Time



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RN@15'
1707123-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Surrogate: o-Terphenyl		113 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Benzene	0.048	0.0020	mg/kg	1	1707160	"	07/18/17	LS	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.087	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	0.91	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	10	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Specific Conductance (EC)	14.3	0.0100	µmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RN@15'
1707123-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

pH	6.85	0.100pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045
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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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RS@15'
1707123-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 09:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	ND	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 09:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: o-Terphenyl		116	%	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 09:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.031	0.0020	mg/kg	1	1707160	"	07/18/17	LS	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.083	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	0.90	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	10	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 09:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: 1,2-Dichloroethane-d4		109	%	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2	%	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110	%	21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 09:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
pH	7.31	0.100	pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RS@15'
1707123-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Specific Conductance (EC)	12.2	0.0106mmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B
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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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RW@15'
1707123-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 09:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	53	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 09:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: o-Terphenyl		113 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 09:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.023	0.0020	mg/kg	1	1707160	"	07/18/17	LS	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.027	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	0.46	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	22	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 09:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: 1,2-Dichloroethane-d4		109 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.2 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		133 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 09:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
pH	7.82	0.100	pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RW@15'
1707123-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Specific Conductance (EC)	12.2	0.0106mmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B
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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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RE@15'
1707123-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	54	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: o-Terphenyl		126 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	ND	0.0020	mg/kg	1	1707160	"	07/18/17	LS	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	0.019	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	2.1	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: 1,2-Dichloroethane-d4		107 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
pH	7.75	0.100	pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

RE@15'
1707123-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Specific Conductance (EC)	10.6	0.0106mmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B
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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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS01
1707123-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	64	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: o-Terphenyl		126	%	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.19	0.0020	mg/kg	1	1707160	"	07/18/17	LS	EPA 8260B	
Toluene	2.8	0.050	"	10	"	"	"	LS	"	
Ethylbenzene	0.52	0.0050	"	1	"	"	"	LS	"	
Xylenes (total)	28	0.050	"	10	"	"	"	LS	"	E
Gasoline Range Hydrocarbons	300	5.0	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: 1,2-Dichloroethane-d4		110	%	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8	%	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116	%	21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Specific Conductance (EC)	7.48	0.0100	µmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS01
1707123-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

pH	7.47	0.100pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045
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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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS02
1707123-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	75	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
<i>Surrogate: o-Terphenyl</i>		123 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.033	0.0020	mg/kg	1	1707160	"	07/19/17	LS	EPA 8260B	
Toluene	0.048	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.18	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	2.1	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	62	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %		23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %		20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		159 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
pH	7.35	0.100	pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045	

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS02
1707123-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Specific Conductance (EC)	10.0	0.0100mmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B
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Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS03
1707123-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	150	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
<i>Surrogate: o-Terphenyl</i>		116 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.023	0.0020	mg/kg	1	1707160	"	07/19/17	LS	EPA 8260B	
Toluene	0.072	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.14	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	1.8	0.0050	"	"	"	"	"	LS	"	
Gasoline Range Hydrocarbons	71	0.50	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %		23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %		20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		162 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
pH	7.65	0.100	pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045	

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS03
1707123-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Specific Conductance (EC)	9.96	0.0106mmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B
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Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS04
1707123-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/17 10:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
C10-C28 (DRO)	280	50	mg/kg	1	1707161	07/18/17	07/18/17	LS	8015M	

Date Sampled: **07/18/17 10:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: o-Terphenyl		135 %		30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/17 10:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Benzene	0.053	0.0020	mg/kg	1	1707160	"	07/19/17	LS	EPA 8260B	
Toluene	0.18	0.0050	"	"	"	"	"	LS	"	
Ethylbenzene	0.26	0.0050	"	"	"	"	"	LS	"	
Xylenes (total)	19	0.050	"	10	"	"	"	LS	"	
Gasoline Range Hydrocarbons	280	5.0	"	"	"	"	"	LS	"	

Date Sampled: **07/18/17 10:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Surrogate: 1,2-Dichloroethane-d4		110 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		97.2 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %		21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/18/17 10:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
		Limit	Units							
Specific Conductance (EC)	8.44	0.0100	µmhos/cm	1	1707163	07/18/17	07/18/17	BS	SM 2510B	

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

CS04
1707123-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

pH	7.69	0.100pH Units	1	1707162	07/18/17	07/18/17	BS	EPA 9045
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Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

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 1707161 - EPA 3550A

Blank (1707161-BLK1)

Prepared & Analyzed: 07/18/17

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	14.5		"	12.5		116	30-150			

LCS (1707161-BS1)

Prepared & Analyzed: 07/18/17

C10-C28 (DRO)	572	50	mg/kg	499		115	73-134			
Surrogate: o-Terphenyl	14.4		"	12.5		115	30-150			

Matrix Spike (1707161-MS1)

Source: 1707118-01

Prepared & Analyzed: 07/18/17

C10-C28 (DRO)	553	50	mg/kg	499	33.2	104	50-148			
Surrogate: o-Terphenyl	13.9		"	12.5		111	30-150			

Matrix Spike Dup (1707161-MSD1)

Source: 1707118-01

Prepared & Analyzed: 07/18/17

C10-C28 (DRO)	540	50	mg/kg	499	33.2	102	50-148	2.37	20	
Surrogate: o-Terphenyl	13.3		"	12.5		106	30-150			

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

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 1707160 - EPA 5030 Soil MS

Blank (1707160-BLK1)

Prepared & Analyzed: 07/18/17

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	21-167			

LCS (1707160-BS1)

Prepared & Analyzed: 07/18/17

Benzene	0.0837	0.0020	mg/kg	0.100		83.7	58-130			
Toluene	0.0999	0.0050	"	0.100		99.9	61-134			
Ethylbenzene	0.113	0.0050	"	0.0992		114	74-139			
m,p-Xylene	0.217	0.010	"	0.200		109	73-137			
o-Xylene	0.107	0.0050	"	0.0980		109	73-141			
Xylenes (total)	0.324	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.56	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0398		"	0.0400		99.4	23-173			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	21-167			

Matrix Spike (1707160-MS1)

Source: 1707118-01

Prepared & Analyzed: 07/18/17

Benzene	0.0867	0.0020	mg/kg	0.100	ND	86.7	30-131			
Toluene	0.101	0.0050	"	0.100	0.000480	101	30-134			
Ethylbenzene	0.116	0.0050	"	0.0992	0.000390	117	22-153			
m,p-Xylene	0.221	0.010	"	0.200	0.00108	110	10-159			
o-Xylene	0.109	0.0050	"	0.0980	ND	111	31-151			
Xylenes (total)	0.330	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.62	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	21-167			

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

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 1707160 - EPA 5030 Soil MS

Matrix Spike Dup (1707160-MSD1)		Source: 1707118-01			Prepared & Analyzed: 07/18/17					
Benzene	0.0879	0.0020	mg/kg	0.100	ND	87.9	30-131	1.41	34	
Toluene	0.103	0.0050	"	0.100	0.000480	102	30-134	1.15	30	
Ethylbenzene	0.116	0.0050	"	0.0992	0.000390	116	22-153	0.285	24	
m,p-Xylene	0.219	0.010	"	0.200	0.00108	109	10-159	0.844	68	
o-Xylene	0.110	0.0050	"	0.0980	ND	112	31-151	0.990	38	
Xylenes (total)	0.329	0.0050	"		ND		30-150	0.237	20	
Gasoline Range Hydrocarbons	3.64	0.50	"		ND		30-150	0.546	20	
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400		97.3	21-167			

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

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 1707162 - General Preparation

LCS (1707162-BS1)

Prepared & Analyzed: 07/18/17

pH	6.12	0.100	pH Units	6.00	102	95-105
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Duplicate (1707162-DUP1)

Source: 1707123-01

Prepared & Analyzed: 07/18/17

pH	6.91	0.100	pH Units	6.85	0.872	20
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Batch 1707163 - General Preparation

Blank (1707163-BLK1)

Prepared & Analyzed: 07/18/17

Specific Conductance (EC)	ND	0.0100	mmhos/cm
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LCS (1707163-BS1)

Prepared & Analyzed: 07/18/17

Specific Conductance (EC)	0.543	0.0100	mmhos/cm	0.500	109	90-110
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Duplicate (1707163-DUP1)

Source: 1707123-01

Prepared & Analyzed: 07/18/17

Specific Conductance (EC)	14.2	0.0100	mmhos/cm	14.3	0.246	20
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Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/19/17 06:29

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

July 21, 2017

Bob Cornez
Foundation Energy, LLC
15 E 15th St
Tulsa, OK 74103
RE: Federal 3-11

Enclosed are the results of analyses for samples received by Summit Scientific on 07/20/17 16:30. 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
President



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS01R	1707147-01	Soil	07/20/17 12:30	07/20/17 16:30
CS04R	1707147-02	Soil	07/20/17 12:35	07/20/17 16:30
GW01	1707147-03	Water	07/19/17 06:30	07/20/17 16:30

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

Sample Receipt Checklist

S2 Work Order: 1707147

Client: Foundation Client Project ID: Federal 3-11

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

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

Cooler ID					
Temp (°C)	<u>16.0</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"/>			<u>on Ice</u>
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"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<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 checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Logan S
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

7-20-17 16:30
Date/Time



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

CS01R
1707147-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/20/17 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	120	50	mg/kg	1	1707185	07/20/17	07/21/17	8015M	

Date Sampled: 07/20/17 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		122 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/20/17 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.10	mg/kg	1	1707182	07/20/17	07/21/17	EPA 8260B	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: 07/20/17 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 07/20/17 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	16.0	0.0100	mmhos/cm	1	1707189	07/20/17	07/20/17	SM 2510B	

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

CS01R
1707147-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/20/17 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.89	0.100	pH Units	1	1707187	07/20/17	07/20/17	EPA 9045	

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

CS04R
1707147-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/20/17 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1707185	07/20/17	07/21/17	8015M	

Date Sampled: 07/20/17 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		113 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/20/17 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.10	mg/kg	1	1707182	07/20/17	07/21/17	EPA 8260B	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: 07/20/17 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 07/20/17 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	5.28	0.0100	mmhos/cm	1	1707189	07/20/17	07/20/17	SM 2510B	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

CS04R

1707147-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/20/17 12:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.95	0.100	pH Units	1	1707187	07/20/17	07/20/17	EPA 9045	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

GW01
1707147-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/19/17 06:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	160	1.0	ug/l	1	1707184	07/20/17	07/20/17	EPA 8260B	
Toluene	1.4	1.0	"	"	"	"	"	"	
Ethylbenzene	5.7	1.0	"	"	"	"	"	"	
Xylenes (total)	46	2.0	"	"	"	"	"	"	

Date Sampled: 07/19/17 06:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		134 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	45-146		"	"	"	"	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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 1707185 - EPA 3550A

Blank (1707185-BLK1)

Prepared & Analyzed: 07/20/17

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.9 " 12.5 111 30-150

LCS (1707185-BS1)

Prepared & Analyzed: 07/20/17

C10-C28 (DRO) 627 50 mg/kg 499 126 73-134

Surrogate: o-Terphenyl 15.0 " 12.5 120 30-150

Matrix Spike (1707185-MS1)

Source: 1707153-01

Prepared & Analyzed: 07/20/17

C10-C28 (DRO) 530 50 mg/kg 499 36.9 98.9 50-148

Surrogate: o-Terphenyl 14.1 " 12.5 113 30-150

Matrix Spike Dup (1707185-MSD1)

Source: 1707153-01

Prepared & Analyzed: 07/20/17

C10-C28 (DRO) 522 50 mg/kg 499 36.9 97.2 50-148 1.60 20

Surrogate: o-Terphenyl 13.8 " 12.5 110 30-150

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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 1707182 - EPA 5030 Soil MS

Blank (1707182-BLK1)

Prepared & Analyzed: 07/20/17

Benzene	ND	0.10	mg/kg							
Toluene	ND	10	"							
Ethylbenzene	ND	10	"							
Xylenes (total)	ND	10	"							
Gasoline Range Hydrocarbons	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0389		"	0.0400		97.3	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.1	21-167			

LCS (1707182-BS1)

Prepared & Analyzed: 07/20/17

Benzene	0.0857	0.10	mg/kg	0.100		85.7	58-130			
Toluene	0.0986	10	"	0.100		98.6	61-134			
Ethylbenzene	0.115	10	"	0.0992		116	74-139			
m,p-Xylene	0.219	10	"	0.200		110	73-137			
o-Xylene	0.108	10	"	0.0980		110	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0401		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.2	21-167			

Matrix Spike (1707182-MS1)

Source: 1707153-01

Prepared & Analyzed: 07/20/17

Benzene	0.0862	0.10	mg/kg	0.100	ND	86.2	30-131			
Toluene	0.102	10	"	0.100	ND	102	30-134			
Ethylbenzene	0.111	10	"	0.0992	ND	112	22-153			
m,p-Xylene	0.214	10	"	0.200	ND	107	10-159			
o-Xylene	0.105	10	"	0.0980	ND	107	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0472		"	0.0400		118	23-173			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.8	21-167			

Summit Scientific

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Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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 1707182 - EPA 5030 Soil MS

Matrix Spike Dup (1707182-MSD1)				Source: 1707153-01		Prepared & Analyzed: 07/20/17				
Benzene	0.0876	0.10	mg/kg	0.100	ND	87.6	30-131	1.66	34	
Toluene	0.103	10	"	0.100	ND	103	30-134	0.909	30	
Ethylbenzene	0.114	10	"	0.0992	ND	115	22-153	2.13	24	
m,p-Xylene	0.217	10	"	0.200	ND	109	10-159	1.42	68	
o-Xylene	0.107	10	"	0.0980	ND	109	31-151	1.78	38	
Surrogate: 1,2-Dichloroethane-d4	0.0495		"	0.0400		124	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.7	21-167			

Batch 1707184 - EPA 5030 Water MS

Blank (1707184-BLK1)				Prepared & Analyzed: 07/20/17						
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.9		"	13.3		112	37-154			
Surrogate: Toluene-d8	12.3		"	13.3		92.4	45-149			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.6	45-146			
LCS (1707184-BS1)				Prepared & Analyzed: 07/20/17						
Benzene	34.9	1.0	ug/l	33.3		105	51-132			
Toluene	36.3	1.0	"	33.3		109	51-138			
Ethylbenzene	43.1	1.0	"	33.1		130	58-146			
m,p-Xylene	78.8	2.0	"	66.5		118	57-144			
o-Xylene	40.3	1.0	"	32.7		123	53-146			
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		119	37-154			
Surrogate: Toluene-d8	12.2		"	13.3		91.8	45-149			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	45-146			

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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 1707184 - EPA 5030 Water MS

Matrix Spike (1707184-MS1)		Source: 1707139-01			Prepared & Analyzed: 07/20/17					
Benzene	36.8	1.0	ug/l	33.3	1.63	105	34-141			
Toluene	37.7	1.0	"	33.3	ND	113	27-151			
Ethylbenzene	45.2	1.0	"	33.1	ND	137	29-160			
m,p-Xylene	83.0	2.0	"	66.5	ND	125	20-166			
o-Xylene	41.9	1.0	"	32.7	ND	128	33-159			
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3		118	37-154			
Surrogate: Toluene-d8	12.3		"	13.3		92.2	45-149			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.7	45-146			

Matrix Spike Dup (1707184-MSD1)		Source: 1707139-01			Prepared & Analyzed: 07/20/17					
Benzene	37.2	1.0	ug/l	33.3	1.63	107	34-141	1.08	32	
Toluene	37.9	1.0	"	33.3	ND	114	27-151	0.529	25	
Ethylbenzene	45.4	1.0	"	33.1	ND	137	29-160	0.331	50	
m,p-Xylene	84.3	2.0	"	66.5	ND	127	20-166	1.55	36	
o-Xylene	42.3	1.0	"	32.7	ND	129	33-159	0.855	26	
Surrogate: 1,2-Dichloroethane-d4	16.3		"	13.3		122	37-154			
Surrogate: Toluene-d8	12.2		"	13.3		91.2	45-149			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.7	45-146			

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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 1707187 - General Preparation

LCS (1707187-BS1)

Prepared & Analyzed: 07/20/17

pH	6.15	0.100	pH Units	6.00	102	95-105
----	------	-------	----------	------	-----	--------

Duplicate (1707187-DUP1)

Source: 1707146-01

Prepared & Analyzed: 07/20/17

pH	8.57	0.100	pH Units	8.36	2.48	20
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Batch 1707189 - General Preparation

Blank (1707189-BLK1)

Prepared & Analyzed: 07/20/17

Specific Conductance (EC)	ND	0.0100	mmhos/cm
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LCS (1707189-BS1)

Prepared & Analyzed: 07/20/17

Specific Conductance (EC)	0.487	0.0100	mmhos/cm	0.500	97.4	90-110
---------------------------	-------	--------	----------	-------	------	--------

Duplicate (1707189-DUP1)

Source: 1707146-01

Prepared & Analyzed: 07/20/17

Specific Conductance (EC)	4.96	0.0100	mmhos/cm	4.84	2.43	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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/21/17 06:50

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

Summit Scientific

A handwritten signature in black ink, appearing to be 'MSM'.

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 25, 2017

Bob Cornez
Foundation Energy, LLC
15 E 15th St
Tulsa, OK 74103
RE: Federal 3-11

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/17 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ben Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury
Laboratory Manager



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	1707163-01	Water	07/21/17 14:00	07/21/17 21:00

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.

A handwritten signature in black ink, appearing to be 'Bob Cornez', written over a horizontal line.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

Summit Scientific 1707163

S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Foundation Energy Project Manager: Bob Cornez
Address: _____ E-Mail: rcornez@tasman-geo.com
City/State/Zip: _____
Phone: _____ Fax: _____ Project Name: Federal 3-11
Sampler Name: Paul Downey Project Number: _____

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions
					HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX					
1	GLW02	7/21/17	14:00	3			X		X									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Relinquished by: <u>Paul Downey</u>	Date/Time: <u>7/21/17 21:00</u>	Received by: <u>Bob Cornez</u>	Date/Time: <u>7-21-17 21:00</u>	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <u>SPD</u> 72 hours <u>X</u>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours _____ Standard _____ 48 hours _____	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: <u>1.1</u> Intact: <u>Yes</u> No	

www.s2scientific.com

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11

Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

Sample Receipt Checklist

S2 Work Order: 1707163

Client: Foundation Client Project ID: Federal 3-11

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

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

Cooler ID					
Temp (°C)	1.1				

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"/>			
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"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<input checked="" type="checkbox"/>			HCL
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 checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Logan S
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

7-25-17 2:00
Date/Time



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

GW02
1707163-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/21/17 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1707202	07/21/17	07/21/17	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **07/21/17 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		125 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		90.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	45-146		"	"	"	"	

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

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 1707202 - EPA 5030 Water MS

Blank (1707202-BLK1)

Prepared & Analyzed: 07/22/17

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3		112	37-154			
Surrogate: Toluene-d8	12.5		"	13.3		93.8	45-149			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	45-146			

LCS (1707202-BS1)

Prepared & Analyzed: 07/22/17

Benzene	35.8	1.0	ug/l	33.3		107	51-132			
Toluene	37.6	1.0	"	33.3		113	51-138			
Ethylbenzene	42.6	1.0	"	33.1		129	58-146			
m,p-Xylene	78.9	2.0	"	66.5		119	57-144			
o-Xylene	40.1	1.0	"	32.7		123	53-146			
Surrogate: 1,2-Dichloroethane-d4	16.0		"	13.3		120	37-154			
Surrogate: Toluene-d8	12.8		"	13.3		95.9	45-149			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.9	45-146			

Matrix Spike (1707202-MS1)

Source: 1707138-01

Prepared & Analyzed: 07/22/17

Benzene	35.9	1.0	ug/l	33.3	ND	108	34-141			
Toluene	37.9	1.0	"	33.3	ND	114	27-151			
Ethylbenzene	43.5	1.0	"	33.1	ND	132	29-160			
m,p-Xylene	80.5	2.0	"	66.5	ND	121	20-166			
o-Xylene	40.5	1.0	"	32.7	ND	124	33-159			
Surrogate: 1,2-Dichloroethane-d4	16.1		"	13.3		121	37-154			
Surrogate: Toluene-d8	12.7		"	13.3		95.4	45-149			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.3	45-146			

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.



Foundation Energy, LLC
15 E 15th St
Tulsa OK, 74103

Project: Federal 3-11
Project Number: [none]
Project Manager: Bob Cornez

Reported:
07/25/17 17:26

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 1707202 - EPA 5030 Water MS

Matrix Spike Dup (1707202-MSD1)	Source: 1707138-01			Prepared & Analyzed: 07/22/17						
Benzene	35.7	1.0	ug/l	33.3	ND	107	34-141	0.503	32	
Toluene	37.7	1.0	"	33.3	ND	113	27-151	0.503	25	
Ethylbenzene	44.2	1.0	"	33.1	ND	134	29-160	1.66	50	
m,p-Xylene	81.6	2.0	"	66.5	ND	123	20-166	1.33	36	
o-Xylene	41.1	1.0	"	32.7	ND	126	33-159	1.42	26	
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		119	37-154			
Surrogate: Toluene-d8	12.4		"	13.3		93.4	45-149			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.6	45-146			

Summit Scientific

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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
RPD	Relative Percent Difference