

September 13, 2021

Foundation Energy Inc.

Alyssa Beard

1313 W Denver Building #3

Ft. Lupton CO 80621

Project Name - Green

Project Number - [none]

Attached are your analytical results for Green received by Origins Laboratory, Inc. August 26, 2021. This project is associated with Origins project number Y108559-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Foundation Energy Inc.
1313 W Denver Building #3
Ft. Lupton CO 80621

Alyssa Beard
Project Number: [none]
Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Wellhead	Y108559-01	Water	August 25, 2021 9:00	08/26/2021 16:30

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y108559

Client: Foundation

Client Project ID: Green

Checklist Completed by: SG

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/27/21

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other:

Cooler Number/Temperature: 1 / 4.1 °C / °C / °C / °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NO2 + NO3</u>
Is a chain-of-custody (COC) 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 with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Headspace in all vials</u>
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by JM (Project Manager)

8-30-21
 Date/Time Reviewed

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Wellhead
8/25/2021 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

GEL Laboratories, LLC
Y108559-01 (Water)

Alkalinity by SM 2320B

Alkalinity, Total as CaCO ₃	757	4.00	mg/L	1	2168125	RXB5	08/25/2021	09/01/2021	
Bicarbonate alkalinity (CaCO ₃)	757	4.00	"	"	"	RXB5	"	"	
Carbonate alkalinity (CaCO ₃)	ND	4.00	"	"	"	RXB5	"	"	U

Anions by IC 300.0

Chloride	5880	125	mg/L	501	B1H3005	JMA	08/30/2021	08/31/2021	
Fluoride	35.3	5.00	"	50	"	JMA	"	08/31/2021	
Bromide	68.7	5.00	"	"	"	JMA	"	"	
Sulfate	ND	31.2	"	125	"	JMA	"	08/31/2021	
Nitrate	ND	5.00	"	50	"	JMA	"	08/31/2021	
Nitrite	ND	5.00	"	"	"	JMA	"	"	
Phosphate	ND	5.00	"	"	"	JMA	"	"	

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	5.00	mg/L	1	B1H3119	KDK	08/31/2021	09/02/2021	Ua
Residual Range Organics (C28-C40)	ND	10.0	"	"	"	KDK	"	"	Ua

Surrogate: *o*-Terphenyl 96.0 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	33600	400	ug/L	4	B1H3118	KDK	08/31/2021	09/01/2021	
-----------------------------	-------	-----	------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Wellhead
8/25/2021 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y108559-01 (Water)

GBTEX + Naphthalene by EPA 8260D

Benzene	12900	100	ug/L	100	B1H3118	KDK	08/31/2021	09/01/2021	
Toluene	12700	100	"	"	"	KDK	"	"	
Ethylbenzene	431	4.00	"	4	"	KDK	"	09/01/2021	
Xylenes, total	3210	100	"	100	"	KDK	"	09/01/2021	
Naphthalene	124	28.0	"	4	"	KDK	"	09/01/2021	

Surrogate: 1,2-Dichloroethane-d4	70.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130			"	"	"	"	

pH in Water by EPA 9040C

pH	7.55		pH Units	1	B1H3019	CJM	08/30/2021	08/30/2021	I-02
----	------	--	----------	---	---------	-----	------------	------------	------

Radium 226 by EPA 903.1

Radium-226	51.3	1.00	pCi/L	1	2168595	LXP1	08/25/2021	09/08/2021	
------------	------	------	-------	---	---------	------	------------	------------	--

Radium 228 by EPA 904.0

Radium-228	58.7	3.00	pCi/L	1	2168362	JXC9	"	09/09/2021	
------------	------	------	-------	---	---------	------	---	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	18400	5.00	uS/cm	1	B1H3020	CJM	08/30/2021	08/30/2021	
---------------------------	-------	------	-------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Wellhead
8/25/2021 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y108559-01 (Water)

Total Dissolved Solids by 2540C

Total Dissolved Solids	11300	5.00	mg/L	"	B1H2713	TSH	08/27/2021	08/29/2021	
------------------------	-------	------	------	---	---------	-----	------------	------------	--

Total Metals by EPA 200.8

Barium	0.833	0.00400	mg/L	1	2168640	SKJ	08/30/2021	08/31/2021	
Boron	19.6	1.50	"	100	"	SKJ	"	09/01/2021	
Calcium	34.4	0.200	"	1	"	SKJ	"	08/31/2021	
Iron	18.5	0.100	"	"	"	SKJ	"	"	
Magnesium	3.32	0.0300	"	"	"	SKJ	"	"	
Manganese	0.233	0.00500	"	"	"	SKJ	"	"	
Potassium	9.33	0.300	"	"	"	SKJ	"	09/01/2021	
Selenium	0.00201	0.00500	"	"	"	SKJ	"	08/31/2021	J
Sodium	4150	25.0	"	100	"	SKJ	"	09/01/2021	
Strontium	6.49	1.00	"	"	"	SKJ	"	"	

Total Phosphorus by EPA 365.4

Phosphorus, Total as P	ND	0.0500	mg/L	1	2168416	AXH3	"	08/31/2021	U
------------------------	----	--------	------	---	---------	------	---	------------	---

Total Suspended Solids by 2540D

Total Suspended Solids	49.0	5.00	mg/L	1	B1H2714	SCL	08/27/2021	08/30/2021	
------------------------	------	------	------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3118 - EPA 5030B (Water)

Blank (B1H3118-BLK1)

Prepared: 08/31/2021 Analyzed: 09/01/2021

Gasoline Range Hydrocarbons	ND	100	ug/L							Ua
Benzene	ND	1.00	"							Ua
Toluene	ND	1.00	"							Ua
Ethylbenzene	ND	1.00	"							Ua
Xylenes, total	ND	1.00	"							Ua
Naphthalene	ND	7.00	"							Ua
Naphthalenes - Total	ND	7.00	"							Ua
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5	90.7		70-130			
Surrogate: Toluene-d8	61		"	62.5	97.4		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	98.8		70-130			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3118 - EPA 5030B (Water)

LCS (B1H3118-BS1)

Prepared: 08/31/2021 Analyzed: 09/01/2021

Benzene	27.4	1.00	ug/L	25.0		110	70-130			
Toluene	29.2	1.00	"	25.0		117	70-130			
Ethylbenzene	28.5	1.00	"	25.0		114	70-130			
m,p-Xylene	58.8	2.00	"	50.0		118	70-130			
o-Xylene	29.5	1.00	"	25.0		118	70-130			
Naphthalene	27.2	7.00	"	25.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.6	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		105	70-130			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3118 - EPA 5030B (Water)

Matrix Spike (B1H3118-MS1)	Source: Y108620-11			Prepared: 08/31/2021 Analyzed: 09/01/2021						
Benzene	23.1	1.00	ug/L	25.0	20.0	12.6	70-130			QM-07
Toluene	24.2	1.00	"	25.0	19.1	20.3	70-130			QM-07
Ethylbenzene	22.7	1.00	"	25.0	0.910	87.1	70-130			
m,p-Xylene	47.1	2.00	"	50.0	4.50	85.3	70-130			
o-Xylene	23.5	1.00	"	25.0	2.03	86.0	70-130			
Naphthalene	21.6	7.00	"	25.0	ND	86.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.5	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3118 - EPA 5030B (Water)

Matrix Spike Dup (B1H3118-MSD1)	Source: Y108620-11			Prepared: 08/31/2021 Analyzed: 09/01/2021						
Benzene	24.0	1.00	ug/L	25.0	20.0	16.3	70-130	3.86	20	QM-07
Toluene	25.2	1.00	"	25.0	19.1	24.3	70-130	4.09	20	QM-07
Ethylbenzene	23.7	1.00	"	25.0	0.910	91.2	70-130	4.35	20	
m,p-Xylene	49.2	2.00	"	50.0	4.50	89.4	70-130	4.32	20	
o-Xylene	24.6	1.00	"	25.0	2.03	90.2	70-130	4.28	20	
Naphthalene	23.1	7.00	"	25.0	ND	92.4	70-130	6.85	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.0	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1H3119 - EPA 3511 Mod.										
Blank (B1H3119-BLK1)										
					Prepared: 08/31/2021 Analyzed: 09/01/2021					
Diesel (C10-C28)	ND	5.00	mg/L							Ua
Residual Range Organics (C28-C40)	ND	10.0	"							Ua
Surrogate: o-Terphenyl	3.8		"	5.00		75.7	50-150			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3119 - EPA 3511 Mod.

LCS (B1H3119-BS1)

Prepared: 08/31/2021 Analyzed: 09/01/2021

Diesel (C10-C28)	104	5.00	mg/L	100		104	70-130			
Residual Range Organics (C28-C40)	108	10.0	"	100		108	70-130			
Surrogate: o-Terphenyl	4.4		"	5.00		87.5	50-150			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3119 - EPA 3511 Mod.

Matrix Spike (B1H3119-MS1)	Source: Y108559-01			Prepared: 08/31/2021 Analyzed: 09/01/2021						
Diesel (C10-C28)	90.4	5.00	mg/L	100	4.52	85.9	70-130			
Residual Range Organics (C28-C40)	93.1	10.0	"	100	ND	93.1	70-130			
Surrogate: o-Terphenyl	3.6		"	5.00		71.2	50-150			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3119 - EPA 3511 Mod.

Matrix Spike Dup (B1H3119-MSD1)	Source: Y108559-01				Prepared: 08/31/2021 Analyzed: 09/01/2021					
Diesel (C10-C28)	99.7	5.00	mg/L	100	4.52	95.2	70-130	9.78	20	
Residual Range Organics (C28-C40)	107	10.0	"	100	ND	107	70-130	13.8	20	
Surrogate: o-Terphenyl	4.2		"	5.00		83.7	50-150			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B1H2713 - NO PREP

Blank (B1H2713-BLK1)

Prepared: 08/27/2021 Analyzed: 08/29/2021

Total Dissolved Solids ND 5.00 mg/L

LCS (B1H2713-BS1)

Prepared: 08/27/2021 Analyzed: 08/29/2021

Total Dissolved Solids 979 5.00 mg/L 1000 97.9 85-115

Duplicate (B1H2713-DUP1)

Source: Y108558-01

Prepared: 08/27/2021 Analyzed: 08/29/2021

Total Dissolved Solids 8400 5.00 mg/L 8260 1.70 20

Batch B1H2714 - NO PREP

Blank (B1H2714-BLK1)

Prepared: 08/27/2021 Analyzed: 08/30/2021

Total Suspended Solids ND 5.00 mg/L

LCS (B1H2714-BS1)

Prepared: 08/27/2021 Analyzed: 08/30/2021

Total Suspended Solids 107 5.00 mg/L 100 107 85-115

Duplicate (B1H2714-DUP1)

Source: Y108554-01

Prepared: 08/27/2021 Analyzed: 08/30/2021

Total Suspended Solids 3.00 5.00 mg/L 2.00 40.0 20

Batch B1H3005 - Filter .45um non acidified

Blank (B1H3005-BLK1)

Prepared: 08/30/2021 Analyzed: 08/31/2021

Chloride ND 0.250 mg/L

Fluoride ND 0.100 "

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1H3005 - Filter .45um non acidified										
Blank (B1H3005-BLK1)										
					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Bromide	ND	0.100	"							
Sulfate	ND	0.250	"							
Nitrate	ND	0.100	"							
Nitrite	ND	0.100	"							
Phosphate	ND	0.100	"							
LCS (B1H3005-BS1)										
					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Chloride	3.84	0.250	mg/L	4.00		95.9	90-110			
Fluoride	3.82	0.100	"	4.00		95.5	90-110			
Bromide	3.85	0.100	"	4.00		96.3	90-110			
Sulfate	3.68	0.250	"	4.00		92.1	90-110			
Nitrate	3.93	0.100	"	4.00		98.2	90-110			
Nitrite	ND	0.100	"	4.00			90-110			
Phosphate	ND	0.100	"	4.00			90-110			
Matrix Spike (B1H3005-MS1)										
			Source: Y108559-01			Prepared: 08/30/2021 Analyzed: 08/31/2021				
Chloride	6860		mg/L	500	5880	196	80-120			
Fluoride	514		"	500	35.3	95.7	80-120			
Bromide	550		"	500	68.7	96.2	80-120			
Sulfate	467		"	500	16.6	90.1	80-120			
Nitrate	491		"	500	0.385	98.2	80-120			
Nitrite	0.00		"	500	0.00		80-120			
Phosphate	0.00		"	500	0.00		80-120			
Matrix Spike Dup (B1H3005-MSD1)										
			Source: Y108559-01			Prepared: 08/30/2021 Analyzed: 08/31/2021				
Chloride	6850		mg/L	500	5880	193	80-120	0.149	20	
Fluoride	513		"	500	35.3	95.5	80-120	0.251	20	

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B1H3005 - Filter .45um non acidified

Matrix Spike Dup (B1H3005-MSD1)		Source: Y108559-01			Prepared: 08/30/2021 Analyzed: 08/31/2021					
Bromide	549		mg/L	500	68.7	96.1	80-120	0.0478	20	
Sulfate	468		"	500	16.6	90.2	80-120	0.0615	20	
Nitrate	486		"	500	0.385	97.2	80-120	0.995	20	
Nitrite	0.00		"	500	0.00		80-120		20	
Phosphate	0.00		"	500	0.00		80-120		20	

Batch B1H3019 - NO PREP

Duplicate (B1H3019-DUP1)		Source: Y108561-01			Prepared: 08/30/2021 Analyzed: 08/30/2021					
pH	7.81		pH Units		7.78			0.385	200	

Batch B1H3020 - NO PREP

Blank (B1H3020-BLK1)					Prepared: 08/30/2021 Analyzed: 08/30/2021					
Specific Conductance (EC)	1.50	5.00	uS/cm							
Duplicate (B1H3020-DUP1)		Source: Y108561-01			Prepared: 08/30/2021 Analyzed: 08/30/2021					
Specific Conductance (EC)	11300	5.00	uS/cm		11500			1.25	10	

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Radium 226 by EPA 903.1 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2168595 -										
BLANK (1204899652-BLK)					Prepared: Analyzed: 09/08/2021					
Radium-226	0.151	1.00	pCi/L				-			U
DUP (1204899653 D)		Source: 554113001			Prepared: Analyzed: 09/08/2021					
Radium-226	5.93	1.00	pCi/L		6.17		0-20	3.87	20	
MS (1204899654 S)		Source: 554113001			Prepared: Analyzed: 09/08/2021					
Radium-226	136	1.00	pCi/L	134	6.17	96.7	75-125			
LCS (1204899655-BKS)		Prepared: Analyzed: 09/08/2021								
Radium-226	25.5	1.00	pCi/L	26.8		94.8	75-125			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Radium 228 by EPA 904.0 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2168362 -										
BLANK (1204899300-BLK)					Prepared: Analyzed: 09/07/2021					
Radium-228	0.119	3.00	pCi/L				-			U
DUP (1204899301 D)		Source: 554113001			Prepared: Analyzed: 09/09/2021					
Radium-228	16.9	3.00	pCi/L		17.5		0-20	3.79	20	
LCS (1204899302-BKS)					Prepared: Analyzed: 09/07/2021					
Radium-228	48.8	3.00	pCi/L	50.3		97	75-125			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Alkalinity by SM 2320B - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2168125 -										
LCS (1204898556-BKS)					Prepared: Analyzed: 09/01/2021					
Alkalinity, Total as CaCO3	109	4.00	mg/L	100		109	90-110			
DUP (1204898557 D)		Source: 553928005			Prepared: Analyzed: 09/01/2021					
Carbonate alkalinity (CaCO3)	ND	4.00	mg/L		<1.45		0-20	0	20	U
Bicarbonate alkalinity (CaCO3)	180	4.00	"		179		0-20	0.557	20	
Alkalinity, Total as CaCO3	180	4.00	"		179		0-20	0.557	20	
MS (1204898558 S)		Source: 553928005			Prepared: Analyzed: 09/01/2021					
Alkalinity, Total as CaCO3	282	4.00	mg/L	100	179	103	80-120			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Total Metals by EPA 200.8 - Quality Control
GEL Laboratories, LLC

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

Batch 2168640 - EPA 200.2

BLANK (1204899710-BLK)

Prepared: 08/30/2021 Analyzed: 08/31/2021

Barium	ND	0.00400	mg/L				-			U
Boron	ND	0.0150	"				-			U
Calcium	ND	0.200	"				-			U
Strontium	ND	0.0100	"				-			U
Magnesium	ND	0.0300	"				-			U
Manganese	ND	0.00500	"				-			U
Potassium	ND	0.300	"				-			U
Selenium	ND	0.00500	"				-			U
Sodium	ND	0.250	"				-			U
Iron	ND	0.100	"				-			U

LCS (1204899711-BKS)

Prepared: 08/30/2021 Analyzed: 08/31/2021

Magnesium	2.28	0.0300	mg/L	2.00	114	85-115				
Strontium	0.0502	0.0100	"	0.0500	100	85-115				
Sodium	2.04	0.250	"	2.00	102	85-115				
Selenium	0.0501	0.00500	"	0.0500	100	85-115				
Manganese	0.0504	0.00500	"	0.0500	101	85-115				
Iron	2.05	0.100	"	2.00	103	85-115				
Calcium	2.17	0.200	"	2.00	109	85-115				
Boron	0.102	0.0150	"	0.100	102	85-115				
Barium	0.0507	0.00400	"	0.0500	101	85-115				
Potassium	2.01	0.300	"	2.00	101	85-115				

DUP (1204899712 D)

Source: 554014001

Prepared: 08/30/2021 Analyzed: 09/01/2021

Potassium	8.97	0.300	mg/L	9.36	0-20	4.3	20			
Selenium	0.00547	0.00500	"	0.00555	0-20	1.31	20			
Barium	0.113	0.00400	"	0.116	0-20	2.67	20			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Total Metals by EPA 200.8 - Quality Control
GEL Laboratories, LLC

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

Batch 2168640 - EPA 200.2

DUP (1204899712 D)		Source: 554014001			Prepared: 08/30/2021 Analyzed: 09/01/2021					
Boron	0.455	0.0750	mg/L		0.440		0-20	3.36	20	
Calcium	126	1.00	"		126		0-20	0.0888	20	
Iron	ND	0.100	"		<0.0330		0-20	11.2	20	U
Sodium	145	1.25	"		146		0-20	0.409	20	
Manganese	0.00107	0.00500	"		0.00102		0-20	4.87	20	J
Strontium	1.04	0.0500	"		1.03		0-20	1.16	20	
Magnesium	27.7	0.0300	"		27.8		0-20	0.527	20	
MS (1204899713 S)		Source: 554014001			Prepared: 08/30/2021 Analyzed: 08/31/2021					
Barium	0.162	0.00400	mg/L	0.0500	0.116	91.7	75-125			
Boron	0.561	0.0750	"	0.100	0.440	0	75-125			
Sodium	147	1.25	"	2.00	146	0	75-125			
Calcium	126	1.00	"	2.00	126	0	75-125			
Iron	1.96	0.100	"	2.00	<0.0330	96.8	75-125			
Magnesium	29.5	0.0300	"	2.00	27.8	0	75-125			
Manganese	0.0495	0.00500	"	0.0500	0.00102	96.9	75-125			
Potassium	10.8	0.300	"	2.00	9.36	0	75-125			
Selenium	0.0552	0.00500	"	0.0500	0.00555	99.2	75-125			
Strontium	1.05	0.0500	"	0.0500	1.03	0	75-125			

Origins Laboratory, Inc.



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 Inc.
 1313 W Denver Building #3
 Ft. Lupton CO 80621

Alyssa Beard
 Project Number: [none]
 Project: Green

Total Phosphorus by EPA 365.4 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2168416 - EPA 365.4 Prep										
BLANK (1204899426-BLK)					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Phosphorus, Total as P	ND	0.0500	mg/L				-			U
LCS (1204899427-BKS)					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Phosphorus, Total as P	1.03	0.0500	mg/L	1.00		103	80-123			
DUP (1204899430 D)					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Phosphorus, Total as P	0.0609	0.0500	mg/L		0.0731		0-36	18.2	36	
MS (1204899431 S)					Prepared: 08/30/2021 Analyzed: 08/31/2021					
Phosphorus, Total as P	1.02	0.0500	mg/L	1.00	0.0731	94.7	66-140			

Origins Laboratory, Inc.



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 Inc.
1313 W Denver Building #3
Ft. Lupton CO 80621

Alyssa Beard
Project Number: [none]
Project: Green

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Greater than the detection limit but less than the reporting limit

I-02 This result was analyzed outside of the EPA recommended holding time.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.