

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 11, 2018

Susana Lara-Mesa
K.P. Kauffman
1675 Broadway
Denver, CO 80202
RE: NESSU

Enclosed are the results of analyses for samples received by Summit Scientific on 06/01/18 12:16. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury For Ben Shrewsbury
Laboratory Manager



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Nessu N1	1806014-01	Soil	05/31/18 15:00	06/01/18 12:16
Nessu N2	1806014-02	Soil	05/31/18 15:00	06/01/18 12:16
Nessu S1	1806014-03	Soil	05/31/18 15:00	06/01/18 12:16
Nessu S2	1806014-04	Soil	05/31/18 15:00	06/01/18 12:16
Nessu W1	1806014-05	Soil	05/31/18 15:00	06/01/18 12:16
Nessu W2	1806014-06	Soil	05/31/18 15:00	06/01/18 12:16
Nessu E1	1806014-07	Soil	05/31/18 15:00	06/01/18 12:16
Nessu E2	1806014-08	Soil	05/31/18 15:00	06/01/18 12:16

Summit Scientific

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1806014

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

Page 1 of 1

Project Manager:	Susana Lara-Mesa
E-Mail:	slaramesa@kpk.com
Project Name:	NESSU
Project Number:	

				Preservative				Matrix			Analyze For:										Special Instructions	
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	TPH-GRO	TPH-DRO	TPH-ORO							
Nessu	5/31/2018	3pm	N1						X			X	X	X	X							
Nessu	5/31/2018	3pm	N2						X			X	X	X	X							
Nessu	5/31/2018	3pm	S1						X			X	X	X	X							
Nessu	5/31/2018	3pm	S2						X			X	X	X	X							
Nessu	5/31/2018	3pm	W1						X			X	X	X	X							
Nessu	5/31/2018	3pm	W2						X			X	X	X	X							
Nessu	5/31/2018	3pm	E1						X			X	X	X	X							
Nessu	5/31/2018	3pm	E2						X			X	X	X	X							

Relinquished by: <i>N. Libey</i>	Date/Time: <i>6/1/18 12:10</i>	Received by: <i>[Signature]</i>	Date/Time: <i>6/1/18 12:16</i>	Turn Around Time (Check) 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"/> Sample Integrity: Temperature Upon Receipt: <i>9.0</i> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Notes: <i>on ice</i>
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:		

1806014

Sample Receipt Checklist

S2 Work Order: _____

Client: LP KAUFFMANClient Project ID: NESSUShipped Via: Pickup

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

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

Temp (°C)	<u>90</u>
-----------	-----------

Thermometer ID: 61857-55-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, H ₂ SO ₄ , NaOH, HNO ₃ , 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.				

Custodian Printed Name or Initials LPSignature or Initials of Custodian [Signature]Date/Time 6/1/18 1315



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu N1
1806014-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		82.2 %	30-150		"	"	"	"	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu N2
1806014-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		86.1 %	30-150		"	"	"	"	

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Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu S1
1806014-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		83.7 %	30-150		"	"	"	"	

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Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu S2
1806014-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.5 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		83.6 %	30-150		"	"	"	"	

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1675 Broadway
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Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu W1
1806014-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		85.1 %	30-150		"	"	"	"	

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1675 Broadway
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Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu W2
1806014-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.3 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		82.6 %	30-150		"	"	"	"	

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1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu E1
1806014-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		82.4 %	30-150		"	"	"	"	

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1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

Nessu E2
1806014-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806102	06/06/18	06/06/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806103	06/06/18	06/09/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/31/18 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		87.1 %	30-150		"	"	"	"	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

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 1806102 - EPA 5030 Soil MS

Blank (1806102-BLK1)

Prepared & Analyzed: 06/06/18

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	0.0431		"	0.0396	109	23-173
Surrogate: Toluene-d8	0.0398		"	0.0400	99.4	20-170
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400	97.0	21-167

LCS (1806102-BS1)

Prepared & Analyzed: 06/06/18

Benzene	0.111	0.0020	mg/kg	0.100	111	70-130
Toluene	0.114	0.0050	"	0.100	114	70-130
Ethylbenzene	0.114	0.0050	"	0.100	114	70-130
m,p-Xylene	0.217	0.010	"	0.200	108	70-130
o-Xylene	0.109	0.0050	"	0.100	109	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0396	104	23-173
Surrogate: Toluene-d8	0.0405		"	0.0400	101	20-170
Surrogate: 4-Bromofluorobenzene	0.0381		"	0.0400	95.2	21-167

Matrix Spike (1806102-MS1)

Source: 1806014-01

Prepared & Analyzed: 06/06/18

Benzene	0.102	0.0020	mg/kg	0.100	ND	102	70-130
Toluene	0.106	0.0050	"	0.100	ND	106	70-130
Ethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130
m,p-Xylene	0.198	0.010	"	0.200	ND	98.9	70-130
o-Xylene	0.101	0.0050	"	0.100	ND	101	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0396	102	23-173
Surrogate: Toluene-d8	0.0407		"	0.0400	102	20-170
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400	95.8	21-167

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.



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

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 1806102 - EPA 5030 Soil MS

Matrix Spike Dup (1806102-MSD1)	Source: 1806014-01			Prepared & Analyzed: 06/06/18						
Benzene	0.0895	0.0020	mg/kg	0.100	ND	89.5	70-130	13.3	30	
Toluene	0.0906	0.0050	"	0.100	ND	90.6	70-130	16.1	30	
Ethylbenzene	0.0912	0.0050	"	0.100	ND	91.2	70-130	14.3	30	
m,p-Xylene	0.170	0.010	"	0.200	ND	85.1	70-130	15.0	30	
o-Xylene	0.0865	0.0050	"	0.100	ND	86.5	70-130	15.1	30	
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0396		104	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.6	21-167			

Summit Scientific

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU
Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

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 1806103 - EPA 3550A

Blank (1806103-BLK1)

Prepared: 06/06/18 Analyzed: 06/09/18

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (1806103-BS1)

Prepared: 06/06/18 Analyzed: 06/09/18

C10-C28 (DRO)	482	50	mg/kg	500	96.4	81.4-129
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Matrix Spike (1806103-MS1)

Source: 1806014-01

Prepared: 06/06/18 Analyzed: 06/09/18

C10-C28 (DRO)	466	50	mg/kg	500	10.4	91.1	77.8-133
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Matrix Spike Dup (1806103-MSD1)

Source: 1806014-01

Prepared: 06/06/18 Analyzed: 06/09/18

C10-C28 (DRO)	476	50	mg/kg	500	10.4	93.0	77.8-133	2.01	8.48
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Summit Scientific

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: NESSU

Project Number: [none]
Project Manager: Susana Lara-Mesa

Reported:
06/11/18 14:48

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