



May 27, 2020

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Top Operating - Stamp 31-2C

Project Number - [none]

Attached are your analytical results for Top Operating - Stamp 31-2C received by Origins Laboratory, Inc. May 18, 2020. This project is associated with Origins project number Y005248-01.

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



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01@3'	Y005248-01	Soil	May 18, 2020 16:05	05/18/2020 17:33
SS-02@3'	Y005248-02	Soil	May 18, 2020 16:10	05/18/2020 17:33
SS-03@3'	Y005248-03	Soil	May 18, 2020 16:15	05/18/2020 17:33

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

ORIGINS
LABORATORY, INC

www.originslaboratory.com

4005240

page 1 of 1

Client: Eagle Env. Consulting
Address: 800 W 44th Ave
Telephone Number: 303-433-0479
Email Address: dcoloccia@eagle-enviro.com

Project Manager: Daniel Coloccia
Project Name: Top Stamp 31-2C
Project Number: —
Samples Collected By: GEU

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis		Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other		BTX
SS-11031	5/18/20	1645	2	X				X		X	X	X	1
SS-02031	↓	1610	↓										2
SS-03031	↓	1615	↓										3
													4
													5
													6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
<u>[Signature]</u>	5/18/20	1733	<u>[Signature]</u>	5-18-20	1733	Some Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

Temp Received: 7.8 Date Results Needed

Origins Laboratory, Inc.

[Signature]

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8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 7005248

Client: Eagle

Client Project ID: Stamp 31-2C

Checklist Completed by: SC

Shipped Via: HD

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

Date/time completed: 5/18/20

Airbill #: N/A

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

☐ Water

☐ Other:

Cooler Number/Temperature: 1 / 2.2 °C

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with Na ₂ CO ₃ +NaOH, 2ndAc+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 (Project Manager)

5-18-20
Date/Time Reviewed

Origins Laboratory, Inc.

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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

SS-01@3'
5/18/2020 4:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y005248-01 (Soil)

BTEX/TVPH by EPA 8260D

Benzene	ND	0.0500	mg/kg	25	B0E1802	KDK	05/18/2020	05/18/2020	U
Toluene	ND	0.0500	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.0500	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	7.00	5.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"	"	"	"	

Diesel Range Organics (DRO/TEPH) by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0E1809	KDK	05/18/2020	05/19/2020	U
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Surrogate: o-Terphenyl	75.5 %	50-150	"	"	"	"	"	"	
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Metals (Saturated Paste Prep)

Calcium	3.60	me/L	1	[none]			05/20/2020	05/22/2020	
Magnesium	1.64	"	"	"			"	"	
Sodium	1.36	"	"	"			"	"	

pH in Soil by EPA 9045D

pH	7.49	pH Units	1	B0E1810	DJL		05/18/2020	05/18/2020	
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8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

SS-01@3'

5/18/2020 4:05:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.

Y005248-01 (Soil)

SAR by 20B Saturated Paste

SAR	0.84			1		[none]		05/20/2020	05/22/2020
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.135	0.00500	mmhos/cm	1		B0E1811	DJL	05/18/2020	05/18/2020
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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

SS-02@3'

5/18/2020 4:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y005248-02 (Soil)

BTEX/TVPH by EPA 8260D

Benzene	ND	0.0500	mg/kg	25	B0E1802	KDK	05/18/2020	05/18/2020	U
Toluene	ND	0.0500	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.0500	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Diesel Range Organics (DRO/TEPH) by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0E1809	KDK	05/18/2020	05/19/2020	U
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Surrogate: o-Terphenyl	77.6 %	50-150	"	"	"
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Metals (Saturated Paste Prep)

Calcium	28.41	me/L	1	[none]	05/20/2020	05/22/2020
Magnesium	11.16	"	"	"	"	"
Sodium	4.48	"	"	"	"	"

pH in Soil by EPA 9045D

pH	7.36	pH Units	1	B0E1810	DJL	05/18/2020	05/18/2020
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8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

SS-02@3'

5/18/2020 4:10:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y005248-02 (Soil)

SAR by 20B Saturated Paste

SAR	1.01		1	[none]		05/20/2020	05/22/2020
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.252	0.00500	mmhos/cm	1	B0E1811	DJL	05/18/2020	05/18/2020
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

SS-03@3'

5/18/2020 4:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y005248-03 (Soil)

BTEX/TVPH by EPA 8260D

Benzene	ND	0.0500	mg/kg	25	B0E1802	KDK	05/18/2020	05/18/2020	U
Toluene	ND	0.0500	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.0500	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Diesel Range Organics (DRO/TEPH) by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0E1809	KDK	05/18/2020	05/19/2020	U
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Surrogate: o-Terphenyl	83.2 %	50-150	"	"	"
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Metals (Saturated Paste Prep)

Calcium	4.91	me/L	1	[none]	05/20/2020	05/22/2020
Magnesium	1.95	"	"	"	"	"
Sodium	1.50	"	"	"	"	"

pH in Soil by EPA 9045D

pH	7.50	pH Units	1	B0E1810	DJL	05/18/2020	05/18/2020
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8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

SS-03@3'

5/18/2020 4:15:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y005248-03 (Soil)

SAR by 20B Saturated Paste

SAR	0.81		1	[none]		05/20/2020	05/22/2020
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0643	0.00500	mmhos/cm	1	B0E1811	DJL	05/18/2020	05/18/2020
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

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 B0E1802 - EPA 5030 (soil)										
Blank (B0E1802-BLK1)					Prepared: 05/18/2020 Analyzed: 05/18/2020					
Benzene	ND	0.00200	mg/kg							U
Toluene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

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 B0E1802 - EPA 5030 (soil)										
LCS (B0E1802-BS1)					Prepared: 05/18/2020 Analyzed: 05/18/2020					
Benzene	0.0991	0.00200	mg/kg	0.100		99.1	70-130			
Toluene	0.0961	0.00200	"	0.100		96.1	70-130			
Ethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
m,p-Xylene	0.183	0.00400	"	0.200		91.4	70-130			
o-Xylene	0.0875	0.00200	"	0.100		87.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Project: Top Operating - Stamp 31-2C

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
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Batch B0E1802 - EPA 5030 (soil)

Matrix Spike (B0E1802-MS1)		Source: Y005237-01			Prepared: 05/18/2020 Analyzed: 05/18/2020					
Benzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
Ethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
m,p-Xylene	0.197	0.00400	"	0.200	0.00700	94.9	70-130			
o-Xylene	0.0919	0.00200	"	0.100	ND	91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Project Number: [none]
Project: Top Operating - Stamp 31-2C

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
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Batch B0E1802 - EPA 5030 (soil)

Matrix Spike Dup (B0E1802-MSD1)		Source: Y005237-01			Prepared: 05/18/2020 Analyzed: 05/18/2020					
Benzene	0.120	0.00200	mg/kg	0.100	ND	120	70-130	13.8	20	
Toluene	0.117	0.00200	"	0.100	ND	117	70-130	14.3	20	
Ethylbenzene	0.121	0.00200	"	0.100	ND	121	70-130	13.8	20	
m,p-Xylene	0.227	0.00400	"	0.200	0.00700	110	70-130	14.1	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	14.4	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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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
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Batch B0E1809 - EPA 3580

Blank (B0E1809-BLK1)

Prepared: 05/18/2020 Analyzed: 05/18/2020

Diesel (C10-C28)	ND	25.0	mg/kg							U
Surrogate: o-Terphenyl	19		"	25.0		74.4	50-150			

Origins Laboratory, Inc.



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8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

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
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Batch B0E1809 - EPA 3580

LCS (B0E1809-BS1)

Prepared: 05/18/2020 Analyzed: 05/18/2020

Diesel (C10-C28)	965	50.0	mg/kg	1000		96.5	70-130			
Surrogate: o-Terphenyl	55		"	50.0		109	50-150			

Origins Laboratory, Inc.



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Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

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
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Batch B0E1809 - EPA 3580

Matrix Spike (B0E1809-MS1)		Source: Y005195-08			Prepared: 05/18/2020 Analyzed: 05/18/2020					
Diesel (C10-C28)	1060	50.0	mg/kg	1000	ND	106	70-130			
Surrogate: o-Terphenyl	52		"	50.0		104	50-150			

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Project Number: [none]

Project: Top Operating - Stamp 31-2C

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
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Batch B0E1809 - EPA 3580

Matrix Spike Dup (B0E1809-MSD1)		Source: Y005195-08			Prepared: 05/18/2020 Analyzed: 05/18/2020					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130	0.490	35	
Surrogate: o-Terphenyl	44		"	50.0		88.0	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.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Top Operating - Stamp 31-2C

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
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Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0E1810 - NO PREP

Duplicate (B0E1810-DUP1)		Source: Y005244-01			Prepared: 05/18/2020 Analyzed: 05/18/2020					
pH	6.91		pH Units		7.08			2.43	25	

Batch B0E1811 - NO PREP

Blank (B0E1811-BLK1)		Prepared: 05/18/2020 Analyzed: 05/18/2020								
Specific Conductance (EC)	0.00140	0.00500	mmhos/cm							
Duplicate (B0E1811-DUP1)		Source: Y005244-01			Prepared: 05/18/2020 Analyzed: 05/18/2020					
Specific Conductance (EC)	0.710	0.00500	mmhos/cm		0.844			17.2	25	

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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Top Operating - Stamp 31-2C

Notes and Definitions

U Sample is Non-Detect.

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.



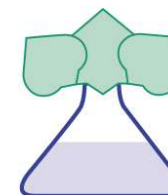
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

www.AmAgLab.com



95029

ORIGINS LABORATORY INC

1725 ELK PLACE

DENVER CO 80211

NAME : ORIGINS

DATE RECEIVED: 05/20/2020

DATE REPORTED: 05/22/2020

SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS				
				1 : 1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm
2707280	Y005248	01	0-8												
2707281	Y005248	02	0-8												
2707282	Y005248	03	0-8												

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION					
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na
2707280																	
2707281																	
2707282																	

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L				SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A		
2707280	3.60	1.64	1.36	0.84	1	0										
2707281	28.41	11.16	4.48	1.01	1	0										
2707282	4.91	1.95	1.50	0.81	1	0										

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A
2707280	Y005248	01														
2707281	Y005248	02														
2707282	Y005248	03														

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab



Your Lab's letterhead here...

Address

City, St. Zip

Phone/Fax

SUBCONTRACT ORDER

Sending Laboratory:

Origins Laboratory, Inc.
1725 West Elk Place
Denver, CO 80211
Phone: 303.433.1322
Fax: 303.265.9645

Project Manager: Noelle Doyle Mathis

Subcontracted Laboratory:

American Agricultural Laboratory, Inc
210 East 1st Street
McCook, NE 69001
Phone: (308) 345-3670
Fax: (308) 345-7880

Work Order: Y005248

Analysis	Due	Expires	Comments
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Sample ID: Y005248-01 Soil Sampled: 05/18/2020 16:05

SAR (Saturated Paste Prep) 05/20/2020 05/19/2020 16:05

Containers Supplied:

Sample ID: Y005248-02 Soil Sampled: 05/18/2020 16:10

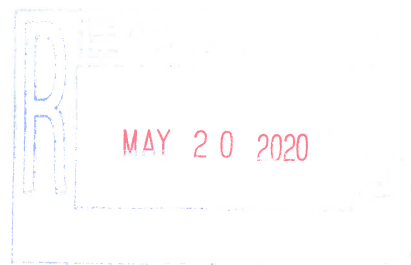
SAR (Saturated Paste Prep) 05/20/2020 05/19/2020 16:10

Containers Supplied:

Sample ID: Y005248-03 Soil Sampled: 05/18/2020 16:15

SAR (Saturated Paste Prep) 05/20/2020 05/19/2020 16:15

Containers Supplied:



Released By

Date

5/19/20

Received By

Date

5/20/20