

April 10, 2024

Mull Drilling

Kendall Pelton

1700 N Waterfront Pkway Bldg #1200

Wichita

KS

67206

Project Name - Brackman Farms C

Project Number - [none]

Attached are your analytical results for Brackman Farms C received by Origins Laboratory, Inc. March 29, 2024. This project is associated with Origins project number Y403870-01.

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



Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SL 7 1'	Y403870-01	Soil	March 28, 2024 12:40	03/29/2024 16:41
SL 7 4'	Y403870-02	Soil	March 28, 2024 12:45	03/29/2024 16:41
SL 8 1'	Y403870-03	Soil	March 28, 2024 12:00	03/29/2024 16:41
SL 8 4'	Y403870-04	Soil	March 28, 2024 12:05	03/29/2024 16:41
SL 9 1'	Y403870-05	Soil	March 28, 2024 12:10	03/29/2024 16:41
SL 9 4'	Y403870-06	Soil	March 28, 2024 12:15	03/29/2024 16:41
SL 10 1'	Y403870-07	Soil	March 28, 2024 12:20	03/29/2024 16:41
SL 10 4'	Y403870-08	Soil	March 28, 2024 12:25	03/29/2024 16:41
SL 11 1'	Y403870-09	Soil	March 28, 2024 12:50	03/29/2024 16:41
SL 11 4'	Y403870-10	Soil	March 28, 2024 12:55	03/29/2024 16:41
SL 12 1'	Y403870-11	Soil	March 28, 2024 12:30	03/29/2024 16:41
SL 12 4'	Y403870-12	Soil	March 28, 2024 12:35	03/29/2024 16:41
BG01 1'	Y403870-13	Soil	March 28, 2024 11:25	03/29/2024 16:41
BG01 4'	Y403870-14	Soil	March 28, 2024 11:30	03/29/2024 16:41

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG02 1'	Y403870-15	Soil	March 28, 2024 10:40	03/29/2024 16:41
BG02 4'	Y403870-16	Soil	March 28, 2024 10:45	03/29/2024 16:41
BG03 1'	Y403870-17	Soil	March 28, 2024 11:05	03/29/2024 16:41
BG03 4'	Y403870-18	Soil	March 28, 2024 11:10	03/29/2024 16:41

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita

KS

67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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page 1 of 2

4403870

ORIGINS
LABORATORY, INC

Client: Mull Drilling
Address: 1700 N Waterfront Pkwy
Wichita, KS 67206
Telephone Number: 316-264-1366
Email Address:

Project Manager: Kendall Pelton
Project Name: Brackman Farms C
Project Number:
Samples Collected By: Kendall Pelton

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #		
SL 7 1	3/28/24	11:40	2	X					X		EC, SAR, pH, Boron, TPH, Arsenic, Uranium	1
SL 7 4	3/28/24	12:45	2	X					X			2
SL 8 1	3/28/24	12:00	2	X					X			3
SL 8 4	3/28/24	12:05	2	X					X			4
SL 9 1	3/28/24	12:10	2	X					X			5
SL 9 4	3/28/24	12:15	2	X					X			6
SL 10 1	3/28/24	12:20	2	X					X			7
SL 10 4	3/28/24	12:25	2	X					X			8
SL 11 1	3/28/24	12:50	2	X					X			9
SL 11 4	3/28/24	12:55	2	X					X			10
Relinquished By: Kendall Pelton	Date: 3/28/24	Time: 1611		Received By: CHS				Received By:			Date: 3/29/24	Time: 1641
Relinquished By:	Date:	Time:		Received By:				Received By:			Date:	Time:
											Turnaround Time:	
											Same Day <input type="checkbox"/>	
											48 Hr <input type="checkbox"/>	
											72 Hr <input type="checkbox"/>	
											Standard <input checked="" type="checkbox"/>	

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

Origins Laboratory, Inc.

J. Bynon

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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

www.originslaboratory.com

page 2 of 2

1403840

ORIGINS LABORATORY, INC

Client: Mull Drilling

Address: 1700 N Waterfront Pkwy Bldg #1200, Wichita, KS 67206

Telephone Number: 316-264-6366

Email Address:

Project Manager: Kendall Pelton

Project Name: Brackman Farms C

Project Number:

Samples Collected by: Kendall Pelton

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
SL 12 1'	3/28/24	12:30	2	Unpreserved	Soil	EC, SAR, pH, BSM, TH, MSB, LWH, etc.	1
SL 12 4'	3/28/24	12:35	2	Unpreserved	Soil		2
BS 01 1'	3/28/24	11:25	2	Unpreserved	Soil		3
BS 01 4'	3/28/24	11:30	2	Unpreserved	Soil		4
BS 02 1'	3/28/24	10:40	2	Unpreserved	Soil		5
BS 02 4'	3/28/24	10:45	2	Unpreserved	Soil		6
BS 03 1'	3/28/24	11:05	2	Unpreserved	Soil		7
BS 03 4'	3/28/24	11:10	2	Unpreserved	Soil		8
							9
							10
Relinquished By: Kendall Pelton	Date: 3/28/24	Time: 1641	Received By: EHS	Date: 3/29/24	Time: 1641	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		

Date Results Needed

1.7

Origins Laboratory, Inc.

J. Bynon

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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita

KS

67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4403870

Client: Mull

Client Project ID: Brackman Farms C

Checklist Completed by: EHS

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

Date/time completed: 3/29/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____ (Describe)

Cooler Number/Temperature: 1 117 °C 1 °C 1 °C 1 °C

Thermometer ID: TOO4

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No sample times
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any): <u>New COC's received by email on 4/1</u>				

⁽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: JB (Project Manager)

4/2/24
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 7 1'

3/28/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.744	0.101	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	96.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	93.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.31	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	6.01	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 7 1'

3/28/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-01 (Soil)

pH in Soil by 9045D

pH	8.45			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	6.51		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.918		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.01		0.279	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.170	0.425	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

SL 7 4'

3/28/2024 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.684	0.0985	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	89.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	93.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	9.69	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	6.05	0.823	"	"	"	"	"	
Sodium	18.9	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 7 4'

3/28/2024 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-02 (Soil)

pH in Soil by 9045D

pH	8.10			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	6.73		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.79		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.57		0.261	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.168	0.421	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

SL 8 1'

3/28/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.422	0.101	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	86.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	133 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.49	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.877	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 8 1'

3/28/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-03 (Soil)

pH in Soil by 9045D

pH	8.33			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.877		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.333		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.53		0.281	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.175	0.438	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

SL 8 4'

3/28/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.463	0.0999	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	87.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	133 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	93.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.02	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	1.51	0.823	"	"	"	"	"	
Sodium	1.06	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 8 4'

3/28/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-04 (Soil)

pH in Soil by 9045D

pH	8.40			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.797		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.615		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	9.11		0.261	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.162	0.404	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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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.

Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

SL 9 1'

3/28/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.701	0.100	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	98.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	135 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.30	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.676	0.435	"	"	"	"	"	

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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 9 1'

3/28/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-05 (Soil)

pH in Soil by 9045D

pH	8.40			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.695		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.265		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	8.99		0.275	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.176	0.439	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 9 4'

3/28/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.961	0.0997	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	86.7 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	125 %	70-130			"	"	"
Surrogate: Toluene-d8	94.7 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.773	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.22	0.435	"	"	"	"	"

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 9 4'

3/28/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-06 (Soil)

pH in Soil by 9045D

pH	8.51			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	2.67		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.379		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.10		0.268	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.122	0.304	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

SL 10 1'

3/28/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.555	0.100	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	92.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.53	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.493	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 10 1'

3/28/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-07 (Soil)

pH in Soil by 9045D

pH	8.47			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.486		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.256		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.91		0.271	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.153	0.383	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 10 4'

3/28/2024 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.564	0.0999	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	84.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	136 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	93.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.849	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	2.36	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 10 4'

3/28/2024 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-08 (Soil)

pH in Soil by 9045D

pH	8.54			pH Units	1	B4D0517	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	2.75		0.0100	SAR	1	B4D0502	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.346		0.00500	mmhos/cm	1	B4D0517	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	8.32		0.272	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.119	0.299	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 11 1'

3/28/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.490	0.100	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	105 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	135 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	95.2 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.59	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.18	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 11 1'

3/28/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-09 (Soil)

pH in Soil by 9045D

pH	8.31			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	1.10		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.370		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.29		0.270	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.151	0.378	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 11 4'

3/28/2024 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y403870-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.593	0.100	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	117 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.51	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	1.27	0.823	"	"	"	"	"	
Sodium	2.94	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 11 4'

3/28/2024 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-10 (Soil)

pH in Soil by 9045D

pH	8.36			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	2.50		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.752		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.89		0.250	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.131	0.326	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 12 1'

3/28/2024 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.958	0.101	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	87.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	133 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	95.3 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.36	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	3.70	0.435	"	"	"	"	"	

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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 12 1'

3/28/2024 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-11 (Soil)

pH in Soil by 9045D

pH	8.28			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	2.57		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.849		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.27		0.252	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.159	0.397	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 12 4'

3/28/2024 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.583	0.100	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	87.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.61	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	1.94	0.823	"	"	"	"	"	
Sodium	3.20	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

SL 12 4'

3/28/2024 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-12 (Soil)

pH in Soil by 9045D

pH	8.12			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	1.77		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.16		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.83		0.280	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.134	0.334	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

BG01 1'

3/28/2024 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y403870-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.399	0.0986	mg/L	1	B4D0510	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	88.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.73	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG01 1'

3/28/2024 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-13 (Soil)

pH in Soil by 9045D

pH	8.27			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.178		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.215		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.14		0.245	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.125	0.311	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG01 4'

3/28/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-14 (Soil)

Boron (DTPA Sorbitol)

Boron	0.418	0.101	mg/L	1	B4D0511	04/05/2024	04/09/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	78.4 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	131 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.31	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024
Magnesium	0.906	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG01 4'

3/28/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-14 (Soil)

pH in Soil by 9045D

pH	8.38			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.303		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.335		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.72		0.259	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.104	0.261	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

BG02 1'

3/28/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y403870-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.529	0.101	mg/L	1	B4D0511	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	85.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	132 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	95.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.25	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.937	0.435	"	"	"	"	"	

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkwy Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

BG02 1'

3/28/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-15 (Soil)

pH in Soil by 9045D

pH	8.35			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.922		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.364		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.27		0.271	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	0.131	0.127	0.318	mg/kg dry	1	2590624	04/03/2024	04/03/2024	J
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG02 4'

3/28/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.668	0.0996	mg/L	1	B4D0511	04/05/2024	04/09/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	94.5 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	133 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	94.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.00	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024
Magnesium	1.08	0.823	"	"	"	"	"
Sodium	2.75	0.435	"	"	"	"	"

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG02 4'

3/28/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-16 (Soil)

pH in Soil by 9045D

pH	8.48			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	2.69		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.627		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	8.37		0.260	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.110	0.275	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG03 1'

3/28/2024 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-17 (Soil)

Boron (DTPA Sorbitol)

Boron	0.383	0.100	mg/L	1	B4D0511	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	103 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	131 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	96.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.56	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG03 1'

3/28/2024 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-17 (Soil)

pH in Soil by 9045D

pH	8.31			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.294		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.250		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.99		0.248	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.144	0.360	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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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.

Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

BG03 4'

3/28/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403870-18 (Soil)

Boron (DTPA Sorbitol)

Boron	0.328	0.100	mg/L	1	B4D0511	04/05/2024	04/09/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D0216	04/02/2024	04/08/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	93.0 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B4D0453	04/04/2024	04/06/2024	Ua
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Surrogate: 1,2-Dichloroethane-d4	125 %	70-130			"	"	"
Surrogate: Toluene-d8	96.8 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.14	0.499	meq/L	10	[CALC]	04/05/2024	04/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.440	0.435	"	"	"	"	"

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

BG03 4'

3/28/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403870-18 (Soil)

pH in Soil by 9045D

pH	8.39			pH Units	1	B4D0518	04/05/2024	04/05/2024	
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SAR by 20B Saturated Paste

SAR	0.470		0.0100	SAR	1	B4D0503	04/05/2024	04/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.246		0.00500	mmhos/cm	1	B4D0518	04/05/2024	04/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.33		0.285	mg/kg	10	B4D0123	04/01/2024	04/05/2024	
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Total Metals by 7196A

Hexavalent Chromium	ND	0.104	0.260	mg/kg dry	1	2590624	04/03/2024	04/03/2024	U
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Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkwy Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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 B4D0216 - EPA 3550B										
Blank (B4D0216-BLK1)					Prepared: 04/02/2024 Analyzed: 04/08/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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 B4D0216 - EPA 3550B

LCS (B4D0216-BS1)

Prepared: 04/02/2024 Analyzed: 04/08/2024

Diesel (C10-C28)	951	50.0	mg/kg	1000		95.1	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000		105	70-130			
Surrogate: o-Terphenyl	65		"	49.8		130	50-150			

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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 B4D0216 - EPA 3550B

Matrix Spike (B4D0216-MS1)		Source: Y403870-01			Prepared: 04/02/2024 Analyzed: 04/08/2024					
Diesel (C10-C28)	931	50.0	mg/kg	1000	ND	93.1	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000	ND	106	70-130			
Surrogate: o-Terphenyl	63		"	49.8		126	50-150			

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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 B4D0216 - EPA 3550B

Matrix Spike Dup (B4D0216-MSD1)		Source: Y403870-01			Prepared: 04/02/2024 Analyzed: 04/08/2024					
Diesel (C10-C28)	921	50.0	mg/kg	1000	ND	92.1	70-130	1.04	35	
Residual Range Organics (C28-C40)	1040	200	"	1000	ND	104	70-130	2.39	35	
Surrogate: o-Terphenyl	62		"	49.8		125	50-150			

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

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 B4D0453 - EPA 5030 (soil)										
Blank (B4D0453-BLK1)					Prepared: 04/04/2024 Analyzed: 04/06/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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 B4D0453 - EPA 5030 (soil)										
LCS (B4D0453-BS1)					Prepared: 04/04/2024 Analyzed: 04/06/2024					
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0924	0.00200	"	0.100		92.4	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		121	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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 B4D0453 - EPA 5030 (soil)

Matrix Spike (B4D0453-MS1)		Source: Y403861-01			Prepared: 04/04/2024 Analyzed: 04/06/2024					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	0.000540	104	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Benzene	0.110	0.00200	"	0.100	ND	110	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Naphthalene	0.0829	0.00380	"	0.100	0.00224	80.6	70-130			
Toluene	0.114	0.00200	"	0.100	ND	114	70-130			
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130			
m,p-Xylene	0.197	0.00400	"	0.200	ND	98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		119	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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 B4D0453 - EPA 5030 (soil)										
Matrix Spike Dup (B4D0453-MSD1)		Source: Y403861-01			Prepared: 04/04/2024 Analyzed: 04/06/2024					
1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	0.000540	107	70-130	2.72	20	
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130	2.38	20	
Benzene	0.117	0.00200	"	0.100	ND	117	70-130	5.94	20	
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130	3.44	20	
Naphthalene	0.0941	0.00380	"	0.100	0.00224	91.9	70-130	12.7	20	
Toluene	0.119	0.00200	"	0.100	ND	119	70-130	5.05	20	
o-Xylene	0.105	0.00200	"	0.100	ND	105	70-130	3.67	20	
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130	2.90	20	
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		126	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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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Metals by EPA 6000/7000 Series Methods - 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 B4D0123 - EPA 3050B

Blank (B4D0123-BLK1)

Prepared: 04/01/2024 Analyzed: 04/05/2024

Arsenic ND 0.290 mg/kg

LCS (B4D0123-BS1)

Prepared: 04/01/2024 Analyzed: 04/05/2024

Arsenic 5.64 0.290 mg/kg 5.00 113 80-120

Matrix Spike (B4D0123-MS1)

Source: Y403870-01

Prepared: 04/01/2024 Analyzed: 04/05/2024

Arsenic 14.0 0.253 mg/kg 4.36 7.01 161 75-125 QM-07

Matrix Spike Dup (B4D0123-MSD1)

Source: Y403870-01

Prepared: 04/01/2024 Analyzed: 04/05/2024

Arsenic 13.0 0.275 mg/kg 4.75 7.01 127 75-125 7.29 20 QM-07

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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 B4D0502 - Saturated Paste Metals

Blank (B4D0502-BLK1)

Prepared: 04/05/2024 Analyzed: 04/08/2024

SAR	ND	0.0100	SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B4D0502-DUP1)

Source: Y403867-01

Prepared: 04/05/2024 Analyzed: 04/08/2024

SAR	ND	0.0100	SAR	13.7		200
Calcium PPM	17.7	10.0	mg/L	26.0	38.0	50
Magnesium PPM	16.4	10.0	"	15.9	3.22	50
Sodium PPM	363	10.0	"	361	0.506	50

Batch B4D0503 - Saturated Paste Metals

Blank (B4D0503-BLK1)

Prepared: 04/05/2024 Analyzed: 04/08/2024

Calcium PPM	ND	10.0	mg/L
SAR	ND	0.0100	SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B4D0503-DUP1)

Source: Y403870-09

Prepared: 04/05/2024 Analyzed: 04/08/2024

SAR	ND	0.0100	SAR	1.10		200
Calcium PPM	30.4	10.0	mg/L	31.9	4.72	50
Magnesium PPM	8.16	10.0	"	8.84	8.00	50
Sodium PPM	24.0	10.0	"	27.2	12.5	50

Batch B4D0510 - DTPA Sorbitol Preparation

Blank (B4D0510-BLK1)

Prepared: 04/05/2024 Analyzed: 04/09/2024

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkwy Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

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 B4D0510 - DTPA Sorbitol Preparation										
Blank (B4D0510-BLK1)					Prepared: 04/05/2024 Analyzed: 04/09/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4D0510-DUP1)					Source: Y403870-01 Prepared: 04/05/2024 Analyzed: 04/09/2024					
Boron	0.737	0.101	mg/L		0.744			0.873	50	
Batch B4D0511 - DTPA Sorbitol Preparation										
Blank (B4D0511-BLK1)					Prepared: 04/05/2024 Analyzed: 04/09/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4D0511-DUP1)					Source: Y403870-14 Prepared: 04/05/2024 Analyzed: 04/09/2024					
Boron	0.432	0.101	mg/L		0.418			3.34	50	

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

Saturated Paste - 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 B4D0517 - Saturated Paste pH/EC

Blank (B4D0517-BLK1)

Prepared: 04/05/2024 Analyzed: 04/05/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4D0517-DUP1)

Source: Y403867-01

Prepared: 04/05/2024 Analyzed: 04/05/2024

pH	8.40		pH Units	8.47		0.830	25
Specific Conductance (EC)	1.91	0.00500	mmhos/cm	1.88		1.33	25

Batch B4D0518 - Saturated Paste pH/EC

Blank (B4D0518-BLK1)

Prepared: 04/05/2024 Analyzed: 04/05/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4D0518-DUP1)

Source: Y403870-09

Prepared: 04/05/2024 Analyzed: 04/05/2024

pH	8.35		pH Units	8.31		0.480	25
Specific Conductance (EC)	0.391	0.00500	mmhos/cm	0.370		5.44	25

Origins Laboratory, Inc.



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Mull Drilling
1700 N Waterfront Pkway Bldg #1200
Wichita KS 67206

Kendall Pelton
Project Number: [none]
Project: Brackman Farms C

Total Metals by 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2590624 - SW846 3060A										
BLANK (1205691957-BLK)					Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	ND	0.329	mg/kg				-			U
LCS (1205691958-BKS)					Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	3.86	0.387	mg/kg	3.87		99.7	80-120			
DUP (1205691959 D)					Source: 660924001 Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	0.156	0.379	mg/kg dry		<0.152		0-50	N/A	50	J
MS (1205691960 S)					Source: 660924001 Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	3.01	0.379	mg/kg dry	3.79	<0.152	76.5	75-125			
DUP (1205691961 D)					Source: Y403870-09 Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	ND	0.378	mg/kg dry		<0.151		0-50	N/A	50	U
MS (1205691962 S)					Source: Y403870-09 Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	1.52	0.378	mg/kg dry	3.78	<0.151	40.1	75-125			
ILCS (1205691963-ILCS)					Prepared: 04/03/2024 Analyzed: 04/03/2024					
Hexavalent Chromium	6.53	0.318	mg/kg	6.48		101	80-120			

Origins Laboratory, Inc.



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Mull Drilling

1700 N Waterfront Pkway Bldg #1200

Wichita KS 67206

Kendall Pelton

Project Number: [none]

Project: Brackman Farms C

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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