



February 15, 2024

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver

CO 80202

Project Name - Warner - Ottesen Facility

Project Number - [none]

Attached are your analytical results for Warner - Ottesen Facility received by Origins Laboratory, Inc. February 08, 2024. This project is associated with Origins project number Y402207-01.

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

Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Warner #1	Y402207-01	Soil	February 7, 2024 15:10	02/08/2024 13:50
Warner #2	Y402207-02	Soil	February 7, 2024 15:15	02/08/2024 13:50
Warner #3	Y402207-03	Soil	February 7, 2024 15:20	02/08/2024 13:50
Warner #4A	Y402207-04	Soil	February 7, 2024 15:25	02/08/2024 13:50
Warner #4B	Y402207-05	Soil	February 7, 2024 15:30	02/08/2024 13:50
Warner #4C	Y402207-06	Soil	February 7, 2024 15:35	02/08/2024 13:50
Warner #5	Y402207-07	Soil	February 7, 2024 15:40	02/08/2024 13:50
Warner #6A	Y402207-08	Soil	February 7, 2024 15:45	02/08/2024 13:50
Warner #6B	Y402207-09	Soil	February 7, 2024 15:50	02/08/2024 13:50

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.

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

www.originslaboratory.com
4402207
page of

Client: Verdad Resources
Address: 1125 17th Street Suite 550
Denver CO 80202
Telephone Number: 720-845-6900
Email Address: mcguinn@verdadresources.com

Project Manager: Dean Wagoner
Project Name: Warner-Ottesen Facility
Project Number:
Samples Collected By: Dean Wagoner
dwagoner@verdadresources.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa			Other
Warner #1	2-7-04	3:16	3										1
Warner #2		3:15											2
Warner #3		3:20											3
Warner #4A		3:25											4
Warner #4B		3:30											5
Warner #4C		3:35											6
Warner #5		3:40											7
Warner #6A		3:45											8
Warner #6B		3:50											9
													10
Relinquished By: Dean Wagoner	Date: 2/8/04	Time: 1:50		Received By: [Signature]	Date: 2/8/04	Time: 1:50		Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/>					

Date Results Needed

Temp Received- 12

Origins Laboratory, Inc.

J. Bynon

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Verdad Resources

1125 17th St Suite 550

Denver

CO

80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4402207

Client: Verdad

Client Project ID: Warner - Ottesen

Checklist Completed by: WTV/EL/S

Shipped Via: UPS

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

Date/time completed: 2/8/24

Airbill #: N/A

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

Cooler Number/Temperature: 1, 12 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

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"/>		
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
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 checked="" 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) [Signature]

Date/Time Reviewed 2/9/24

Origins Laboratory, Inc.

[Signature]

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #1

2/7/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.862	0.0988	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ADM	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	83.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"
Surrogate: Toluene-d8	98.8 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #1

2/7/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	25.3	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	16.3	0.823	"	"	"	ACC	"	"
Sodium	10.1	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.03		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	2.20	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.16	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #2

2/7/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.696	0.0989	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ADM	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	79.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	99.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #2

2/7/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	25.2	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	16.4	0.823	"	"	"	ACC	"	"
Sodium	9.67	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.02		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	2.12	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.12	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #3

2/7/2024 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.395	0.0985	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ADM	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #3

2/7/2024 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	25.5	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	14.8	0.823	"	"	"	ACC	"	"
Sodium	6.42	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	7.99		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	1.43	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.30	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #4A

2/7/2024 3:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.437	0.0987	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	85.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"
Surrogate: Toluene-d8	96.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #4A

2/7/2024 3:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.52	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	0.899	0.823	"	"	"	ACC	"	"
Sodium	2.11	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.42		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	1.91	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.423	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #4B

2/7/2024 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-05 (Soil)

Boron (DTPA Sorbitol)

Boron	2.41	0.101	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	98.0 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

Origins Laboratory, Inc.



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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

Warner #4B

2/7/2024 3:30:00PM

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

Y402207-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	24.1	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	14.5	0.823	"	"	"	ACC	"	"
Sodium	23.5	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.11		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	5.35	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.30	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #4C

2/7/2024 3:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.439	0.102	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	81.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	99.4 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #4C

2/7/2024 3:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-06 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.79	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	2.65	0.823	"	"	"	ACC	"	"
Sodium	3.53	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.41		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	2.37	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.865	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #5

2/7/2024 3:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.764	0.102	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	82.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	99.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #5

2/7/2024 3:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-07 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.515	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	4.88	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.69		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	7.01	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.630	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #6A

2/7/2024 3:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.15	0.0996	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"
Surrogate: Toluene-d8	98.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

Warner #6A

2/7/2024 3:45:00PM

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

Y402207-08 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	23.5	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	21.4	0.823	"	"	"	ACC	"	"
Sodium	17.9	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.16		pH Units	1	B4B0913	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	3.77	0.0100	SAR	1	B4B0908	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.18	0.00500	mmhos/cm	1	B4B0913	ACN	02/09/2024	02/10/2024
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Verdad Resources
1125 17th St Suite 550
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Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #6B

2/7/2024 3:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.234	0.101	mg/L	1	B4B0904	ACC	02/09/2024	02/12/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	186	25.0	mg/kg	1	B4B0901	ZZZ	02/09/2024	02/15/2024
Residual Range Organics (C28-C40)	141	100	"	"	"	ZZZ	"	"

Surrogate: o-Terphenyl	95.8 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00346	0.00200	mg/kg	1	B4B0917	HKS	02/09/2024	02/10/2024
1,3,5-Trimethylbenzene	0.00296	0.00200	"	"	"	HKS	"	"
Benzene	ND	0.00200	"	"	"	HKS	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	U
Xylenes, total	0.00306	0.00200	"	"	"	HKS	"	"
Gasoline Range Hydrocarbons	1.87	0.200	"	"	"	HKS	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"	"
Surrogate: Toluene-d8	97.6 %	70-130	"	"	"	"
Surrogate: 4-Bromofluorobenzene	98.2 %	70-130	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

Warner #6B

2/7/2024 3:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y402207-09 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.24	0.499	meq/L	10	[CALC]	ACC	02/09/2024	02/12/2024
Magnesium	1.74	0.823	"	"	"	ACC	"	"
Sodium	ND	0.435	"	"	"	ACC	"	"

pH in Soil by 9045D

pH	8.39		pH Units	1	B4B0914	ACN	02/09/2024	02/10/2024
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SAR by 20B Saturated Paste

SAR	0.327	0.0100	SAR	1	B4B0909	ACC	02/09/2024	02/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.303	0.00500	mmhos/cm	1	B4B0914	ACN	02/09/2024	02/10/2024
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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

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 B4B0901 - EPA 3550B										
Blank (B4B0901-BLK1)					Prepared: 02/09/2024 Analyzed: 02/15/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		89.7	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0901 - EPA 3550B

LCS (B4B0901-BS1)

Prepared: 02/09/2024 Analyzed: 02/15/2024

Diesel (C10-C28)	885	50.0	mg/kg	1000		88.5	70-130			
Residual Range Organics (C28-C40)	936	200	"	1000		93.6	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0901 - EPA 3550B

Matrix Spike (B4B0901-MS1)		Source: Y402193-01			Prepared: 02/09/2024 Analyzed: 02/15/2024					
Diesel (C10-C28)	843	50.0	mg/kg	1000	ND	84.3	70-130			
Residual Range Organics (C28-C40)	913	200	"	1000	ND	91.3	70-130			
Surrogate: o-Terphenyl	49		"	49.8		98.5	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0901 - EPA 3550B

Matrix Spike Dup (B4B0901-MSD1)		Source: Y402193-01			Prepared: 02/09/2024 Analyzed: 02/15/2024					
Diesel (C10-C28)	824	50.0	mg/kg	1000	ND	82.4	70-130	2.27	35	
Residual Range Organics (C28-C40)	828	200	"	1000	ND	82.8	70-130	9.83	35	
Surrogate: o-Terphenyl	48		"	49.8		96.8	50-150			

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0917 - EPA 5030 (soil)										
Blank (B4B0917-BLK1)					Prepared: 02/09/2024 Analyzed: 02/09/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Verdad Resources
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Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0917 - EPA 5030 (soil)

LCS (B4B0917-BS1)

Prepared: 02/09/2024 Analyzed: 02/09/2024

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100		108	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Benzene	0.104	0.00200	"	0.100		104	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0917 - EPA 5030 (soil)

Matrix Spike (B4B0917-MS1)		Source: Y402184-01			Prepared: 02/09/2024 Analyzed: 02/09/2024					
1,2,4-Trimethylbenzene	0.0991	0.00200	mg/kg	0.100	ND	99.1	70-130			
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Benzene	0.0968	0.00200	"	0.100	ND	96.8	70-130			
Ethylbenzene	0.0958	0.00200	"	0.100	ND	95.8	70-130			
Naphthalene	0.0975	0.00380	"	0.100	ND	97.5	70-130			
Toluene	0.0923	0.00200	"	0.100	ND	92.3	70-130			
o-Xylene	0.0966	0.00200	"	0.100	ND	96.6	70-130			
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0917 - EPA 5030 (soil)										
Matrix Spike Dup (B4B0917-MSD1)					Source: Y402184-01					Prepared: 02/09/2024 Analyzed: 02/09/2024
1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130	9.90	20	
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	9.72	20	
Benzene	0.107	0.00200	"	0.100	ND	107	70-130	9.98	20	
Ethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130	9.98	20	
Naphthalene	0.112	0.00380	"	0.100	ND	112	70-130	14.0	20	
Toluene	0.104	0.00200	"	0.100	ND	104	70-130	11.9	20	
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130	10.9	20	
m,p-Xylene	0.212	0.00400	"	0.200	ND	106	70-130	10.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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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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 B4B0904 - DTPA Sorbitol Preparation

Blank (B4B0904-BLK1)

Prepared: 02/09/2024 Analyzed: 02/12/2024

Boron ND 0.100 mg/L

Duplicate (B4B0904-DUP1)

Source: Y402163-01

Prepared: 02/09/2024 Analyzed: 02/12/2024

Boron 0.158 0.0984 mg/L 0.154 2.31 50

Batch B4B0908 - Saturated Paste Metals

Blank (B4B0908-BLK1)

Prepared: 02/09/2024 Analyzed: 02/12/2024

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 (B4B0908-DUP1)

Source: Y402207-01

Prepared: 02/09/2024 Analyzed: 02/12/2024

Calcium PPM 514 10.0 mg/L 508 1.11 50

SAR ND 0.0100 SAR 2.20 200

Magnesium PPM 201 10.0 mg/L 198 1.64 50

Sodium PPM 241 10.0 " 231 4.06 50

Batch B4B0909 - Saturated Paste Metals

Blank (B4B0909-BLK1)

Prepared: 02/09/2024 Analyzed: 02/12/2024

Calcium PPM ND 10.0 mg/L

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Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0909 - Saturated Paste Metals										
Blank (B4B0909-BLK1)					Prepared: 02/09/2024 Analyzed: 02/12/2024					
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							
Duplicate (B4B0909-DUP1)					Source: Y402192-01		Prepared: 02/09/2024 Analyzed: 02/12/2024			
Calcium PPM	17.4	10.0	mg/L		13.7			23.4	50	
SAR	ND	0.0100	SAR		0.193				200	
Magnesium PPM	5.21	10.0	mg/L		4.90			6.13	50	
Sodium PPM	3.49	10.0	"		3.28			6.20	50	

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Dean Wagoner
Project Number: [none]
Project: Warner - Ottesen Facility

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 B4B0913 - Saturated Paste pH/EC

Blank (B4B0913-BLK1)

Prepared: 02/09/2024 Analyzed: 02/10/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4B0913-DUP1)

Source: Y402207-01

Prepared: 02/09/2024 Analyzed: 02/10/2024

pH	8.00		pH Units	8.03		0.374	25
Specific Conductance (EC)	3.20	0.00500	mmhos/cm	3.16		1.22	25

Batch B4B0914 - Saturated Paste pH/EC

Blank (B4B0914-BLK1)

Prepared: 02/09/2024 Analyzed: 02/10/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4B0914-DUP1)

Source: Y402192-01

Prepared: 02/09/2024 Analyzed: 02/10/2024

pH	8.12		pH Units	8.01		1.36	25
Specific Conductance (EC)	0.226	0.00500	mmhos/cm	0.172		27.0	25 QR-DUP

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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Warner - Ottesen Facility

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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