

December 07, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Timbro 1-3-9-59

Project Number - [none]

Attached are your analytical results for Timbro 1-3-9-59 received by Origins Laboratory, Inc. November 21, 2023. This project is associated with Origins project number Y311517-01.

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



Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Timbro 1-3-9-59

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Timbro 1-3-9-59 Tank #1	Y311517-01	Soil	November 20, 2023 15:40	11/21/2023 07:55
Timbro 1-3-9-59 Tank #2	Y311517-02	Soil	November 20, 2023 15:45	11/21/2023 07:55
Timbro 1-3-9-59 Tank #3	Y311517-03	Soil	November 20, 2023 15:50	11/21/2023 07:55
Timbro 1-3-9-59 Tank #4	Y311517-04	Soil	November 20, 2023 15:55	11/21/2023 07:55
Timbro 1-3-9-59 Tank #5	Y311517-05	Soil	November 20, 2023 16:00	11/21/2023 07:55

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: Timbro 1-3-9-59

ORIGINS
LABORATORY, INC

www.originslaboratory.com

4311517

page (of /

Client: Verdad Resources
Address: 1125 17th Street Suite 550
Telephone Number: Denver CO 80202
Email Address: mcguire@verdadresources.com

Project Manager: Dean Wagoner
Project Name: Timbro 1-3-9-59
Project Number:
Samples Collected By: Dean Wagoner
dwagoner@verdadresources.com

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Sample	Other		
Timbro 1-3-9-59 Tank #1	11/20	3:40	3					X					1
Timbro 1-3-9-59 Tank #2		3:45	3					X					2
Timbro 1-3-9-59 Tank #3		3:50	3					X					3
Timbro 1-3-9-59 Tank #4		3:55	3					X					4
Timbro 1-3-9-59 Tank #5		4:00	3					X					5
													6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Dean Wagoner	11/21/23	7:56	Aaron Marias	11/21/23	7:55	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"/>

Date Results Needed

Temp Received- 2.2°

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: Timbro 1-3-9-59

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: YB1517

Client: Verdad

Client Project ID: Timbro 1-3-9-59

Checklist Completed by: JST/VERS

Shipped Via: FEDEX

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

Date/time completed: 11/21/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2.2 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input 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):				

⁽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)

Date/Time Reviewed 11/22/23

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: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #1

11/20/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3K2905	11/29/2023	11/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3K2201	11/22/2023	11/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %	50-150		"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3K2125	11/21/2023	11/22/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		"	"	"
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Origins Laboratory, Inc.



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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #1

11/20/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %	70-130	B3K21 25	11/21/2023	11/22/2023
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.663	0.499	meq/L	10	[CALC]	11/21/2023	11/27/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.29	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #1

11/20/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-01 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	104 %	60-130	"	"	"
Surrogate: Anthracene-d10	85.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	99.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.22	pH Units	1	B3K2119	11/21/2023	11/22/2023
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SAR by 20B Saturated Paste

SAR	2.09	0.0100	SAR	1	B3K2116	11/21/2023	11/27/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.367	0.00500	mmhos/cm	1	B3K2119	11/21/2023	11/22/2023
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Total Metals by 6020B

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #1

11/20/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y311517-01 (Soil)

Total Metals by 6020B

Arsenic	3.12	0.0855	0.25	mg/Kg	5	L718977	11/27/2023	11/28/2023	
Barium	348	0.042	0.25	"	"	"	"	"	
Cadmium	0.149	0.026	0.25	"	"	"	"	"	J
Copper	13	0.0805	0.25	"	"	"	"	"	
Lead	8.15	0.031	0.25	"	"	"	"	"	
Nickel	7.14	0.0635	0.25	"	"	"	"	"	
Selenium	1.52	0.103	0.25	"	"	"	"	11/29/2023	
Silver	0.0091	0.0067	0.25	"	"	"	"	11/28/2023	J
Zinc	38.2	0.535	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L719564	11/20/2023	11/29/2023	
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #2

11/20/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3K2905	11/29/2023	11/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3K2201	11/22/2023	11/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	102 %	50-150		"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3K2125	11/21/2023	11/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		"	"	"
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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: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #2

11/20/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %	70-130	B3K21 25	11/21/2023	11/23/2023
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.798	0.499	meq/L	10	[CALC]	11/21/2023	11/27/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.38	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #2

11/20/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	85.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	98.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.24	pH Units	1	B3K2119	11/21/2023	11/22/2023
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SAR by 20B Saturated Paste

SAR	1.91	0.0100	SAR	1	B3K2116	11/21/2023	11/27/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.556	0.00500	mmhos/cm	1	B3K2119	11/21/2023	11/22/2023
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Total Metals by 6020B

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #2

11/20/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y311517-02 (Soil)

Total Metals by 6020B

Arsenic	5.3	0.0855	0.25	mg/Kg	5	L718977	11/27/2023	11/28/2023	
Barium	142	0.042	0.25	"	"	"	"	"	
Cadmium	0.416	0.026	0.25	"	"	"	"	"	
Copper	7.01	0.0805	0.25	"	"	"	"	"	
Lead	4.51	0.031	0.25	"	"	"	"	"	
Nickel	3.85	0.0635	0.25	"	"	"	"	"	
Selenium	1.56	0.103	0.25	"	"	"	"	11/29/2023	
Silver	0.0249	0.0067	0.25	"	"	"	"	11/28/2023	J
Zinc	22.7	0.535	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L719564	11/20/2023	11/29/2023	
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #3

11/20/2023 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.398	0.100	mg/L	1	B3K2905	11/29/2023	11/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3K2201	11/22/2023	11/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3K2125	11/21/2023	11/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #3

11/20/2023 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %	70-130	B3K21 25	11/21/2023	11/23/2023
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	4.68	0.499	meq/L	10	[CALC]	11/21/2023	11/27/2023
Magnesium	1.57	0.823	"	"	"	"	"
Sodium	3.72	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #3

11/20/2023 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-03 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	84.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	95.9 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.11	pH Units	1	B3K2119	11/21/2023	11/22/2023
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SAR by 20B Saturated Paste

SAR	2.10	0.0100	SAR	1	B3K2116	11/21/2023	11/27/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.06	0.00500	mmhos/cm	1	B3K2119	11/21/2023	11/22/2023
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Total Metals by 6020B

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #3

11/20/2023 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y311517-03 (Soil)

Total Metals by 6020B

Arsenic	3.65	0.0855	0.25	mg/Kg	5	L718977	11/27/2023	11/28/2023	
Barium	287	0.042	0.25	"	"	"	"	"	
Cadmium	0.176	0.026	0.25	"	"	"	"	"	J
Copper	13.8	0.0805	0.25	"	"	"	"	"	
Lead	8.33	0.031	0.25	"	"	"	"	"	
Nickel	8.75	0.0635	0.25	"	"	"	"	"	
Selenium	1.65	0.103	0.25	"	"	"	"	11/29/2023	
Silver	0.0082	0.0067	0.25	"	"	"	"	11/28/2023	J
Zinc	38.1	0.535	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L719564	11/20/2023	11/29/2023	
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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.

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #4

11/20/2023 3:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.248	0.100	mg/L	1	B3K2905	11/29/2023	11/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3K2201	11/22/2023	11/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	106 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3K2125	11/21/2023	11/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
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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.

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #4

11/20/2023 3:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %	70-130	B3K21 25	11/21/2023	11/23/2023
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.48	0.499	meq/L	10	[CALC]	11/21/2023	11/27/2023
Magnesium	1.18	0.823	"	"	"	"	"
Sodium	2.85	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #4

11/20/2023 3:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-04 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	84.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	112 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.09	pH Units	1	B3K2119	11/21/2023	11/22/2023
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SAR by 20B Saturated Paste

SAR	1.87	0.0100	SAR	1	B3K2116	11/21/2023	11/27/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.979	0.00500	mmhos/cm	1	B3K2119	11/21/2023	11/22/2023
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Total Metals by 7196A

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #4

11/20/2023 3:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y311517-04 (Soil)

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L719565	11/20/2023	11/29/2023
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Total Metals by 6020B

Arsenic	3.41	0.0855	0.25	mg/Kg	5	L718977	11/27/2023	11/28/2023
Barium	254	0.042	0.25	"	"	"	"	"
Cadmium	0.197	0.026	0.25	"	"	"	"	" J
Copper	10.5	0.0805	0.25	"	"	"	"	"
Lead	6.09	0.031	0.25	"	"	"	"	"
Nickel	6.15	0.0635	0.25	"	"	"	"	"
Selenium	1.41	0.103	0.25	"	"	"	"	11/29/2023
Silver	0.0076	0.0067	0.25	"	"	"	"	11/28/2023 J
Zinc	35.8	0.535	2.5	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #5

11/20/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.246	0.101	mg/L	1	B3K2905	11/29/2023	11/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3K2201	11/22/2023	11/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	115 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3K2125	11/21/2023	11/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"
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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: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #5

11/20/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %	70-130	B3K21 25	11/21/2023	11/23/2023
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.78	0.499	meq/L	10	[CALC]	11/21/2023	11/27/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.88	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.006	0.002	mg/kg	1	B3K2823	11/28/2023	12/05/2023	
2-Methylnaphthalene	0.005	0.002	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #5

11/20/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y311517-05 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3K2823	11/28/2023	12/05/2023	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	0.016	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	104 %	60-130	"	"	"
Surrogate: Anthracene-d10	82.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	100 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B3K2119	11/21/2023	11/22/2023
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SAR by 20B Saturated Paste

SAR	1.75	0.0100	SAR	1	B3K2116	11/21/2023	11/27/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.404	0.00500	mmhos/cm	1	B3K2119	11/21/2023	11/22/2023
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Total Metals by 7196A

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Timbro 1-3-9-59 Tank #5

11/20/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y311517-05 (Soil)

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L719565	11/20/2023	11/29/2023
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Total Metals by 6020B

Arsenic	3.92	0.0855	0.25	mg/Kg	5	L718977	11/27/2023	11/28/2023
Barium	1400	0.085	0.5	"	10	"	"	11/29/2023
Cadmium	0.263	0.026	0.25	"	5	"	"	11/28/2023
Copper	15.8	0.0805	0.25	"	"	"	"	"
Lead	8.11	0.031	0.25	"	"	"	"	"
Nickel	8.04	0.0635	0.25	"	"	"	"	"
Selenium	1.84	0.103	0.25	"	"	"	"	11/29/2023
Silver	0.0122	0.0067	0.25	"	"	"	"	11/28/2023 J
Zinc	41.2	0.535	2.5	"	"	"	"	"

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: Timbro 1-3-9-59

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 B3K2125 - EPA 5030 (soil)										
Blank (B3K2125-BLK1)					Prepared: 11/21/2023 Analyzed: 11/22/2023					
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		96.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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: Timbro 1-3-9-59

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 B3K2125 - EPA 5030 (soil)										
LCS (B3K2125-BS1)					Prepared: 11/21/2023 Analyzed: 11/22/2023					
1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100		104	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100		101	70-130			
Benzene	0.0980	0.00200	"	0.100		98.0	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.0965	0.00380	"	0.100		96.5	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.100	0.00200	"	0.100		100	70-130			
m,p-Xylene	0.211	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.8	70-130			

Origins Laboratory, Inc.



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

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2125 - EPA 5030 (soil)										
Matrix Spike (B3K2125-MS1)		Source: Y311510-01			Prepared: 11/21/2023 Analyzed: 11/28/2023					
1,2,4-Trimethylbenzene	0.0867	0.00200	mg/kg	0.100	ND	86.7	70-130			
1,3,5-Trimethylbenzene	0.0877	0.00200	"	0.100	ND	87.7	70-130			
Benzene	0.0830	0.00200	"	0.100	ND	83.0	70-130			
Ethylbenzene	0.0824	0.00200	"	0.100	ND	82.4	70-130			
Naphthalene	0.0930	0.00380	"	0.100	ND	93.0	70-130			
Toluene	0.0800	0.00200	"	0.100	ND	80.0	70-130			
o-Xylene	0.0873	0.00200	"	0.100	ND	87.3	70-130			
m,p-Xylene	0.166	0.00400	"	0.200	ND	82.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.5	70-130			

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2125 - EPA 5030 (soil)										
Matrix Spike Dup (B3K2125-MSD1)			Source: Y311510-01		Prepared: 11/21/2023 Analyzed: 11/28/2023					
1,2,4-Trimethylbenzene	0.0875	0.00200	mg/kg	0.100	ND	87.5	70-130	0.873	20	
1,3,5-Trimethylbenzene	0.0883	0.00200	"	0.100	ND	88.3	70-130	0.705	20	
Benzene	0.0832	0.00200	"	0.100	ND	83.2	70-130	0.193	20	
Ethylbenzene	0.0827	0.00200	"	0.100	ND	82.7	70-130	0.412	20	
Naphthalene	0.0938	0.00380	"	0.100	ND	93.8	70-130	0.835	20	
Toluene	0.0806	0.00200	"	0.100	ND	80.6	70-130	0.797	20	
o-Xylene	0.0887	0.00200	"	0.100	ND	88.7	70-130	1.55	20	
m,p-Xylene	0.166	0.00400	"	0.200	ND	83.1	70-130	0.386	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.0	70-130			

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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2201 - EPA 3550B										
Blank (B3K2201-BLK1)					Prepared: 11/22/2023 Analyzed: 11/28/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.1	50-150			

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2201 - EPA 3550B

LCS (B3K2201-BS1)

Prepared: 11/22/2023 Analyzed: 11/28/2023

Diesel (C10-C28)	925	50.0	mg/kg	1000		92.5	70-130			
Residual Range Organics (C28-C40)	804	200	"	1000		80.4	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2201 - EPA 3550B

Matrix Spike (B3K2201-MS1)		Source: Y311517-01			Prepared: 11/22/2023 Analyzed: 11/28/2023					
Diesel (C10-C28)	925	50.0	mg/kg	1000	ND	92.5	70-130			
Residual Range Organics (C28-C40)	811	200	"	1000	ND	81.1	70-130			
Surrogate: o-Terphenyl	50		"	49.8		99.6	50-150			

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2201 - EPA 3550B										
Matrix Spike Dup (B3K2201-MSD1)		Source: Y311517-01			Prepared: 11/22/2023 Analyzed: 11/28/2023					
Diesel (C10-C28)	917	50.0	mg/kg	1000	ND	91.7	70-130	0.790	35	
Residual Range Organics (C28-C40)	800	200	"	1000	ND	80.0	70-130	1.29	35	
Surrogate: o-Terphenyl	49		"	49.8		98.1	50-150			

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Project Number: [none]
Project: Timbro 1-3-9-59

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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EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3K2823 - EPA 3580

Blank (B3K2823-BLK1)

Prepared: 11/28/2023 Analyzed: 12/05/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	170		"	200		85.4	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

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1125 17th St Suite 550
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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3K2823 - EPA 3580

LCS (B3K2823-BS1)

Prepared: 11/28/2023 Analyzed: 12/05/2023

1-Methylnaphthalene	0.208	0.002	mg/kg	0.200		104	70-130
2-Methylnaphthalene	0.206	0.002	"	0.200		103	70-130
Acenaphthene	0.199	0.020	"	0.200		99.7	70-130
Anthracene	0.171	0.020	"	0.200		85.4	70-130
Benzo (a) anthracene	0.171	0.005	"	0.200		85.6	70-130
Benzo (a) pyrene	0.176	0.020	"	0.200		87.8	70-130
Benzo (b) fluoranthene	0.211	0.020	"	0.200		106	70-130
Benzo (g,h,i) perylene	0.227	0.020	"	0.200		114	70-130
Benzo (k) fluoranthene	0.220	0.020	"	0.200		110	70-130
Chrysene	0.182	0.020	"	0.200		91.2	70-130
Dibenz (a,h) anthracene	0.226	0.020	"	0.200		113	70-130
Fluoranthene	0.185	0.020	"	0.200		92.3	70-130
Fluorene	0.204	0.020	"	0.200		102	70-130
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200		106	70-130
Naphthalene	0.211	0.002	"	0.200		105	70-130
Phenanthrene	0.189	0.020	"	0.200		94.3	70-130
Pyrene	0.203	0.020	"	0.200		101	70-130

Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130
Surrogate: Anthracene-d10	170		"	200		84.0	60-130
Surrogate: Pyrene-d10	200		"	200		98.6	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130

Matrix Spike (B3K2823-MS1)

Source: Y311517-01

Prepared: 11/28/2023 Analyzed: 12/05/2023

1-Methylnaphthalene	0.221	0.002	mg/kg	0.200	ND	110	70-130
2-Methylnaphthalene	0.213	0.002	"	0.200	ND	106	70-130
Acenaphthene	0.207	0.020	"	0.200	ND	103	70-130
Anthracene	0.186	0.020	"	0.200	ND	93.2	70-130

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Project Number: [none]
Project: Timbro 1-3-9-59

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3K2823 - EPA 3580

Matrix Spike (B3K2823-MS1)		Source: Y311517-01			Prepared: 11/28/2023 Analyzed: 12/05/2023					
Benzo (a) anthracene	0.167	0.005	mg/kg	0.200	ND	83.3	70-130			
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130			
Benzo (b) fluoranthene	0.234	0.020	"	0.200	ND	117	70-130			
Benzo (g,h,i) perylene	0.231	0.020	"	0.200	ND	116	70-130			
Benzo (k) fluoranthene	0.217	0.020	"	0.200	ND	109	70-130			
Chrysene	0.193	0.020	"	0.200	ND	96.7	70-130			
Dibenz (a,h) anthracene	0.222	0.020	"	0.200	ND	111	70-130			
Fluoranthene	0.194	0.020	"	0.200	ND	97.1	70-130			
Fluorene	0.210	0.020	"	0.200	ND	105	70-130			
Indeno (1,2,3-cd) pyrene	0.208	0.020	"	0.200	ND	104	70-130			
Naphthalene	0.217	0.002	"	0.200	ND	108	70-130			
Phenanthrene	0.195	0.020	"	0.200	ND	97.7	70-130			
Pyrene	0.206	0.020	"	0.200	ND	103	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	170		"	200		83.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B3K2823-MSD1)		Source: Y311517-01			Prepared: 11/28/2023 Analyzed: 12/05/2023					
1-Methylnaphthalene	0.216	0.002	mg/kg	0.200	ND	108	70-130	2.43	20	
2-Methylnaphthalene	0.213	0.002	"	0.200	ND	107	70-130	0.236	20	
Acenaphthene	0.204	0.020	"	0.200	ND	102	70-130	1.08	20	
Anthracene	0.168	0.020	"	0.200	ND	83.8	70-130	10.6	20	
Benzo (a) anthracene	0.166	0.005	"	0.200	ND	82.9	70-130	0.543	20	
Benzo (a) pyrene	0.201	0.020	"	0.200	ND	101	70-130	0.508	20	
Benzo (b) fluoranthene	0.227	0.020	"	0.200	ND	114	70-130	3.01	20	
Benzo (g,h,i) perylene	0.238	0.020	"	0.200	ND	119	70-130	3.00	20	

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3K2823 - EPA 3580

Matrix Spike Dup (B3K2823-MSD1)		Source: Y311517-01			Prepared: 11/28/2023 Analyzed: 12/05/2023					
Benzo (k) fluoranthene	0.200	0.020	mg/kg	0.200	ND	99.9	70-130	8.44	20	
Chrysene	0.199	0.020	"	0.200	ND	99.3	70-130	2.74	20	
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	ND	116	70-130	4.61	20	
Fluoranthene	0.197	0.020	"	0.200	ND	98.6	70-130	1.59	20	
Fluorene	0.207	0.020	"	0.200	ND	103	70-130	1.40	20	
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200	ND	109	70-130	4.60	20	
Naphthalene	0.217	0.002	"	0.200	ND	108	70-130	0.00462	20	
Phenanthrene	0.192	0.020	"	0.200	ND	95.9	70-130	1.91	20	
Pyrene	0.199	0.020	"	0.200	ND	99.7	70-130	3.51	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	170		"	200		85.1	60-130			
Surrogate: Pyrene-d10	190		"	200		94.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

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 B3K2116 - Saturated Paste Metals

Blank (B3K2116-BLK1)

Prepared: 11/21/2023 Analyzed: 11/30/2023

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

Duplicate (B3K2116-DUP1)

Source: Y311498-02

Prepared: 11/21/2023 Analyzed: 11/30/2023

SAR	ND	0.0100	SAR	3.13		200
Calcium PPM	39.5	10.0	mg/L	32.6	19.0	50
Magnesium PPM	10.4	10.0	"	8.50	20.2	50
Sodium PPM	83.0	10.0	"	77.6	6.66	50

Batch B3K2905 - DTPA Sorbitol Preparation

Blank (B3K2905-BLK1)

Prepared: 11/29/2023 Analyzed: 11/30/2023

Boron	ND	0.100	mg/L
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Duplicate (B3K2905-DUP1)

Source: Y311517-01

Prepared: 11/29/2023 Analyzed: 11/30/2023

Boron	0.112	0.0995	mg/L	0.0994	12.2	50
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Project Number: [none]
Project: Timbro 1-3-9-59

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K2119 - Saturated Paste pH/EC										
Blank (B3K2119-BLK1)					Prepared: 11/21/2023 Analyzed: 11/22/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3K2119-DUP1)					Source: Y311498-02 Prepared: 11/21/2023 Analyzed: 11/22/2023					
Specific Conductance (EC)	0.586	0.00500	mmhos/cm		0.527			10.7	25	
pH	8.29		pH Units		8.29			0.00	25	

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L719565 -										
DUP (L 82682-DUP)	Source: 82682				Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		82682	-		0	20	
MS (L 82682-MS)	Source: 82682				Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	37.4	2.5	mg/Kg	39.8	82682	94	75-125			
LCS (LCS)					Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	6.58	0.5	mg/Kg	8		82	75-125			
LRB (LRB)					Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Project Number: [none]
Project: Timbro 1-3-9-59

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L718977 - 3050B

MSD (L 82681-MSD-L718977)			Source: 82681			Prepared: 11/27/2023 Analyzed: 11/28/2023				
Barium	63.5	0.25	mg/Kg	4.72	103	0	75-125	1.5	80	I*
Nickel	6.64	0.25	"	2.36	6.72	0	75-125	2.4	80	I*
Selenium	4.24	0.25	"	4.72	1.31	62	75-125	16.4	80	*
Arsenic	3.48	0.25	"	2.36	1.99	63	75-125	2.8	80	*
Silver	0.43	0.25	"	0.472	0.0273	85	75-125	2	80	
Zinc	45.9	2.5	"	23.6	37.7	35	75-125	2.5	80	*
Copper	7.94	0.25	"	2.36	8.49	0	75-125	2.2	80	I*
Cadmium	0.5	0.25	"	0.472	0.142	76	75-125	5.2	80	
Lead	11.5	0.25	"	2.36	21.9	0	75-125	10.6	80	I*
MS (L 82681-MS-L718977)			Source: 82681			Prepared: 11/27/2023 Analyzed: 11/28/2023				
Silver	0.439	0.25	mg/Kg	0.485	0.0273	85	75-125			
Copper	7.76	0.25	"	2.42	8.49	0	75-125			I*
Barium	62.5	0.25	"	4.85	103	0	75-125			I*
Arsenic	3.58	0.25	"	2.42	1.99	66	75-125			*
Lead	12.8	0.25	"	2.42	21.9	0	75-125			I*
Nickel	6.48	0.25	"	2.42	6.72	0	75-125			I*
Selenium	5	0.25	"	4.85	1.31	76	75-125			
Zinc	47.1	2.5	"	24.2	37.7	39	75-125			*
Cadmium	0.527	0.25	"	0.485	0.142	79	75-125			
LCS (LCS-L718977)			Prepared: 11/27/2023 Analyzed: 11/28/2023							
Selenium	4.93	0.25	mg/Kg	5		99	80-120			
Silver	0.457	0.25	"	0.5		91	80-120			
Nickel	2.14	0.25	"	2.5		86	80-120			
Lead	2.32	0.25	"	2.5		93	80-120			
Copper	2.34	0.25	"	2.5		94	80-120			

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Dean Wagoner
Project Number: [none]
Project: Timbro 1-3-9-59

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L718977 - 3050B

LCS (LCS-L718977)

Prepared: 11/27/2023 Analyzed: 11/28/2023

Cadmium	0.462	0.25	mg/Kg	0.5		92	80-120			
Barium	4.93	0.25	"	5		99	80-120			
Arsenic	2.32	0.25	"	2.5		93	80-120			
Zinc	24	2.5	"	25		96	80-120			

LRB (LRB-L718977)

Prepared: 11/27/2023 Analyzed: 11/28/2023

Arsenic	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Selenium	ND	0.25	"				-			
Silver	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	ND	0.25	"				-			

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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: Timbro 1-3-9-59

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L719564 -										
DUP (L 96143-DUP)	Source: 96143				Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		96143	-		0	20	
MS (L 96143-MS)	Source: 96143				Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	33.1	2.5	mg/Kg	39.7	96143	83	75-125			
LCS (LCS)					Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	6.49	0.5	mg/Kg	8		81	75-125			
LRB (LRB)					Prepared: Analyzed: 11/29/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Timbro 1-3-9-59

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

I* [Undefined]

* QC Failure

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.

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