

April 25, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green

Project Number - 1

Attached are your analytical results for Green received by Origins Laboratory, Inc. April 18, 2023. This project is associated with Origins project number Y304414-01.

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: 1

Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Floor 1	Y304414-01	Soil	April 18, 2023 0:00	04/18/2023 16:50
Green Floor 2	Y304414-02	Soil	April 18, 2023 0:00	04/18/2023 16:50
Green Floor 3	Y304414-03	Soil	April 18, 2023 0:00	04/18/2023 16:50

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

www.originslaboratory.com

page 1 of 1
4304414

ORIGINS
LABORATORY, INC

Client: Verdad Resources
Address: 1125 17th Street Suite 550
Denver CO 80202
Telephone Number: 780 845 6400
Email Address: mcguffee@verdadresources.com

Project Manager: Dean Wagoner
Project Name: Green
Project Number: 1
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 Canister #	Other		
Green Floor 1	4-18-23		3					X					1
Green Floor 2	4-18-23		3					X					2
Green Floor 3	4-18-23		3					X					3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: <u>Dean Wagoner</u>	Date: <u>4-18-23</u>	Time: <u>1650</u>	Received By: <u>EHS</u>	Date: <u>4-18-23</u>	Time: <u>1650</u>	Turnaround Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Date Results Needed

Temp Received- 20.0

Origins Laboratory, Inc.

J. Bynon

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4304414

Client: Verdad

Client Project ID: Green

Checklist Completed by: EHS HSN

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

Date/time completed: 4/18/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 20.0 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: T004

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"/>		SD
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<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): <u>No sample times recorded</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 (Project Manager): [Signature]

Date/Time Reviewed: 4/19/23

Origins Laboratory, Inc.

[Signature]

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 1

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.125	0.0990	mg/L	1	B3D2005	04/20/2023	04/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1836	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1802	04/18/2023	04/18/2023	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

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Green Floor 1

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	118 %		70-130			B3D18 02	04/18/2023	04/18/2023	
Surrogate: Toluene-d8	91.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.9 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	04/20/2023	04/21/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.19		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

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4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304414-01 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.28	pH Units	1	B3D2016	04/20/2023	04/21/2023
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SAR by 20B Saturated Paste

SAR	3.03	SAR	1	B3D2010	04/20/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.347	0.00500	mmhos/cm	1	B3D2016	04/20/2023	04/21/2023
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Table 915 metals by EPA 6020B

Arsenic	2.67	0.0943	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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Green Floor 1

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-01 (Soil)

Table 915 metals by EPA 6020B

Barium	22.0	9.43	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	ND	0.0943	"	"	"	"	"
Copper	ND	9.43	"	"	"	"	"
Lead	ND	9.43	"	"	"	"	"
Nickel	ND	9.43	"	"	"	"	"
Selenium	ND	0.0943	"	"	"	"	"
Silver	ND	0.0943	"	"	"	"	"
Zinc	ND	94.3	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/18/2023	04/21/2023
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Green Floor 2

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.105	0.102	mg/L	1	B3D2005	04/20/2023	04/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1836	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1802	04/18/2023	04/18/2023	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

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Green Floor 2

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	121 %		70-130			B3D18 02	04/18/2023	04/18/2023	
Surrogate: Toluene-d8	91.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.5 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.922		0.499	meq/L	10	[CALC]	04/20/2023	04/21/2023	
Magnesium	1.30		0.823	"	"	"	"	"	
Sodium	3.40		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

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Green Floor 2

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304414-02 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	56.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.33	pH Units	1	B3D2016	04/20/2023	04/21/2023
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SAR by 20B Saturated Paste

SAR	3.23	SAR	1	B3D2010	04/20/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.578	0.00500	mmhos/cm	1	B3D2016	04/20/2023	04/21/2023
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Table 915 metals by EPA 6020B

Arsenic	3.85	0.0925	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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Project Number: 1
Project: Green

Green Floor 2

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-02 (Soil)

Table 915 metals by EPA 6020B

Barium	21.0	9.25	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.111	0.0925	"	"	"	"	"
Copper	ND	9.25	"	"	"	"	"
Lead	ND	9.25	"	"	"	"	"
Nickel	ND	9.25	"	"	"	"	"
Selenium	ND	0.0925	"	"	"	"	"
Silver	ND	0.0925	"	"	"	"	"
Zinc	ND	92.5	"	"	"	"	"

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L677648	04/18/2023	04/21/2023
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Green Floor 3

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.117	0.101	mg/L	1	B3D2005	04/20/2023	04/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1836	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.7 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1802	04/18/2023	04/18/2023	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

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Dean Wagoner
Project Number: 1
Project: Green

Green Floor 3

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	123 %		70-130			B3D18 02	04/18/2023	04/18/2023	
Surrogate: Toluene-d8	91.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.11		0.499	meq/L	10	[CALC]	04/20/2023	04/21/2023	
Magnesium	1.50		0.823	"	"	"	"	"	
Sodium	3.60		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 3

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304414-03 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	44.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.32	pH Units	1	B3D2016	04/20/2023	04/21/2023
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SAR by 20B Saturated Paste

SAR	3.15	SAR	1	B3D2010	04/20/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.632	0.00500	mmhos/cm	1	B3D2016	04/20/2023	04/21/2023
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Table 915 metals by EPA 6020B

Arsenic	4.51	0.0900	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 3

4/18/2023 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304414-03 (Soil)

Table 915 metals by EPA 6020B

Barium	30.3	9.00	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.139	0.0900	"	"	"	"	"
Copper	ND	9.00	"	"	"	"	"
Lead	ND	9.00	"	"	"	"	"
Nickel	ND	9.00	"	"	"	"	"
Selenium	ND	0.0900	"	"	"	"	"
Silver	ND	0.0900	"	"	"	"	"
Zinc	ND	90.0	"	"	"	"	"

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677648	04/18/2023	04/21/2023
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Project Number: 1
Project: Green

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 B3D1802 - EPA 5030 (soil)										
Blank (B3D1802-BLK1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
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	0.13		"	0.125	104		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	93.0		70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1802 - EPA 5030 (soil)										
LCS (B3D1802-BS1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0995	0.00200	mg/kg	0.100		99.5	70-130			
1,3,5-Trimethylbenzene	0.0935	0.00200	"	0.100		93.5	70-130			
Benzene	0.0934	0.00200	"	0.100		93.4	70-130			
Ethylbenzene	0.0954	0.00200	"	0.100		95.4	70-130			
Naphthalene	0.109	0.00380	"	0.100		109	70-130			
Toluene	0.0882	0.00200	"	0.100		88.2	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.198	0.00400	"	0.200		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Project: Green

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 B3D1802 - EPA 5030 (soil)										
Matrix Spike (B3D1802-MS1)		Source: Y304372-02			Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0783	0.00200	mg/kg	0.100	ND	78.3	70-130			
1,3,5-Trimethylbenzene	0.0735	0.00200	"	0.100	ND	73.5	70-130			
Benzene	0.0791	0.00200	"	0.100	ND	79.1	70-130			
Ethylbenzene	0.0753	0.00200	"	0.100	ND	75.3	70-130			
Naphthalene	0.0955	0.00380	"	0.100	ND	95.5	70-130			
Toluene	0.0743	0.00200	"	0.100	ND	74.3	70-130			
o-Xylene	0.0815	0.00200	"	0.100	ND	81.5	70-130			
m,p-Xylene	0.156	0.00400	"	0.200	ND	77.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

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Project: Green

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 B3D1802 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1802-MSD1)			Source: Y304372-02		Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0667	0.00200	mg/kg	0.100	ND	66.7	70-130	16.1	20	QM-07
1,3,5-Trimethylbenzene	0.0625	0.00200	"	0.100	ND	62.5	70-130	16.1	20	QM-07
Benzene	0.0687	0.00200	"	0.100	ND	68.7	70-130	14.1	20	QM-07
Ethylbenzene	0.0649	0.00200	"	0.100	ND	64.9	70-130	14.9	20	QM-07
Naphthalene	0.0788	0.00380	"	0.100	ND	78.8	70-130	19.1	20	
Toluene	0.0642	0.00200	"	0.100	ND	64.2	70-130	14.5	20	QM-07
o-Xylene	0.0697	0.00200	"	0.100	ND	69.7	70-130	15.6	20	QM-07
m,p-Xylene	0.134	0.00400	"	0.200	ND	67.0	70-130	15.1	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1836 - EPA 3550B										
Blank (B3D1836-BLK1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

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Project: Green

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 B3D1836 - EPA 3550B

LCS (B3D1836-BS1)

Prepared: 04/18/2023 Analyzed: 04/18/2023

Diesel (C10-C28)	1020	50.0	mg/kg	1000		102	70-130			
Residual Range Organics (C28-C40)	919	200	"	1000		91.9	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Project Number: 1
Project: Green

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 B3D1836 - EPA 3550B

Matrix Spike (B3D1836-MS1)		Source: Y304406-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	915	200	"	1000	ND	91.5	70-130			
Surrogate: o-Terphenyl	45		"	49.8		91.1	50-150			

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Project Number: 1
Project: Green

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 B3D1836 - EPA 3550B										
Matrix Spike Dup (B3D1836-MSD1)		Source: Y304406-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	976	50.0	mg/kg	1000	ND	97.6	70-130	4.06	35	
Residual Range Organics (C28-C40)	924	200	"	1000	ND	92.4	70-130	1.00	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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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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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 B3D1902 - EPA 3050B

Blank (B3D1902-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	ND	0.000100	mg/kg
Barium	ND	0.0100	"
Cadmium	ND	0.000100	"
Copper	ND	0.0100	"
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B3D1902-BS1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	0.0518	0.000100	mg/kg	0.0500	104	80-120
Barium	5.36	0.0100	"	5.00	107	80-120
Cadmium	0.0529	0.000100	"	0.0500	106	80-120
Copper	0.554	0.0100	"	0.500	111	80-120
Lead	0.0530	0.0100	"	0.0500	106	80-120
Nickel	0.0548	0.0100	"	0.0500	110	80-120
Selenium	0.0498	0.000100	"	0.0500	99.5	80-120
Silver	0.0430	0.000100	"	0.0500	85.9	80-120
Zinc	0.548	0.100	"	0.500	110	80-120

Matrix Spike (B3D1902-MS1)

Source: Y304392-01

Prepared: 04/19/2023 Analyzed: 04/20/2023

Origins Laboratory, Inc.



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Project: Green

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 B3D1902 - EPA 3050B

Matrix Spike (B3D1902-MS1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.72	0.0883	mg/kg	4.42	5.11	104	75-125			
Barium	830	8.83	"	442	206	141	75-125			QM-07
Cadmium	4.81	0.0883	"	4.42	0.267	103	75-125			
Copper	48.2	8.83	"	44.2	8.64	89.6	75-125			
Lead	13.9	8.83	"	4.42	10.2	84.8	75-125			
Nickel	13.7	8.83	"	4.42	9.78	88.8	75-125			
Selenium	4.38	0.0883	"	4.42	0.138	96.1	75-125			
Silver	3.67	0.0883	"	4.42	0.0479	81.9	75-125			
Zinc	83.9	88.3	"	44.2	46.0	86.0	75-125			
Matrix Spike Dup (B3D1902-MSD1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.66	0.0905	mg/kg	4.53	5.11	101	75-125	0.649	20	
Barium	750	9.05	"	453	206	120	75-125	10.1	20	
Cadmium	5.10	0.0905	"	4.53	0.267	107	75-125	5.93	20	
Copper	48.8	9.05	"	45.3	8.64	88.8	75-125	1.34	20	
Lead	15.0	9.05	"	4.53	10.2	107	75-125	7.52	20	
Nickel	18.8	9.05	"	4.53	9.78	199	75-125	31.2	20	QM-07, QR-DUP
Selenium	4.39	0.0905	"	4.53	0.138	94.1	75-125	0.272	20	
Silver	3.80	0.0905	"	4.53	0.0479	83.0	75-125	3.72	20	
Zinc	87.6	90.5	"	45.3	46.0	91.9	75-125	4.25	20	

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Project Number: 1
Project: Green

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 B3D2005 - DTPA Sorbitol Preparation

Blank (B3D2005-BLK1)

Prepared: 04/20/2023 Analyzed: 04/21/2023

Boron ND 0.100 mg/L

Duplicate (B3D2005-DUP1)

Source: Y304353-02

Prepared: 04/20/2023 Analyzed: 04/21/2023

Boron 3.64 0.0982 mg/L 3.83 5.16 50

Batch B3D2010 - Saturated Paste Metals

Blank (B3D2010-BLK1)

Prepared: 04/20/2023 Analyzed: 04/21/2023

SAR 0.00 SAR
Calcium PPM ND 10.0 mg/L
Magnesium PPM ND 10.0 "
Sodium PPM ND 10.0 "

Duplicate (B3D2010-DUP1)

Source: Y304353-12

Prepared: 04/20/2023 Analyzed: 04/21/2023

SAR 0.00 SAR 29.1 200 200
Calcium PPM 0.637 10.0 mg/L 0.698 9.14 50
Magnesium PPM ND 10.0 " 0.496 50
Sodium PPM 120 10.0 " 130 7.80 50

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Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D2016 - Saturated Paste pH/EC										
Blank (B3D2016-BLK1)					Prepared: 04/20/2023 Analyzed: 04/21/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3D2016-DUP1)					Source: Y304353-12 Prepared: 04/20/2023 Analyzed: 04/21/2023					
Specific Conductance (EC)	0.538	0.00500	mmhos/cm		0.567			5.17	25	
pH	9.63		pH Units		9.60			0.312	25	

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Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - 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 L677456 - 3550B

MSD (L 99389-MSD-L677456)		Source: 99389			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Benzo(k)fluoranthene	0.119	0.00067	mg/Kg	0.163	<0.000437	73	30-130	4.9	30	
Pyrene	0.123	0.00067	"	0.163	<0.000643	75.4	30-130	3.9	30	
Indeno(1,2,3-cd)pyrene	0.0913	0.00067	"	0.163	<0.000627	56	30-130	4.8	30	
Fluorene	0.111	0.00067	"	0.163	<0.000286	68	30-130	3.5	30	
Fluoranthene	0.125	0.00067	"	0.163	<0.000394	76.6	30-130	4.6	30	
Dibenz(a,h)anthracene	0.101	0.00067	"	0.163	<0.000614	61.9	30-130	4.8	30	
Chrysene	0.117	0.00067	"	0.163	<0.000624	71.7	30-130	0.8	30	
Benzo(a)pyrene	0.127	0.00067	"	0.163	<0.000468	77.9	30-130	3.1	30	
Benzo(a)anthracene	0.123	0.00067	"	0.163	<0.000493	75.4	30-130	5.5	30	
Acenaphthene	0.111	0.00067	"	0.163	<0.000304	68	30-130	3.5	30	
2-Methylnaphthalene	0.12	0.00201	"	0.163	<0.00194	73.6	30-130	8	30	
Benzo(b)fluoranthene	0.109	0.00067	"	0.163	<0.000585	66.8	30-130	2.7	30	
Anthracene	0.115	0.00067	"	0.163	<0.000334	70.5	30-130	3.4	30	
1-Methylnaphthalene	0.113	0.00201	"	0.163	<0.00109	69.3	30-130	9.2	30	
Surrogate: 4-Terphenyl-d14	60.2		"	0.327	217	60.2	33-122			
Surrogate: Nitrobenzene-d5	50.1		"	0.327	181	50.1	29-110			
Surrogate: 2-Fluorobiphenyl	54.4		"	0.327	200	54.4	33-115			

MS (L 99389-MS-L677456)		Source: 99389			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Benzo(k)fluoranthene	0.125	0.00067	mg/Kg	0.167	<0.000437	74.8	30-130			
Chrysene	0.118	0.00067	"	0.167	<0.000624	70.6	30-130			
Pyrene	0.128	0.00067	"	0.167	<0.000643	76.6	30-130			
Fluoranthene	0.131	0.00067	"	0.167	<0.000394	78.4	30-130			
Dibenz(a,h)anthracene	0.106	0.00067	"	0.167	<0.000614	63.4	30-130			
Benzo(b)fluoranthene	0.112	0.00067	"	0.167	<0.000585	67	30-130			
Indeno(1,2,3-cd)pyrene	0.0958	0.00067	"	0.167	<0.000627	57.3	30-130			
Benzo(a)anthracene	0.13	0.00067	"	0.167	<0.000493	77.8	30-130			

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: 1
Project: Green

PAH by 8270D SIM - 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 L677456 - 3550B

MS (L 99389-MS-L677456)		Source: 99389			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Anthracene	0.119	0.00067	mg/Kg	0.167	<0.000334	71.2	30-130			
Acenaphthene	0.115	0.00067	"	0.167	<0.000304	68.8	30-130			
2-Methylnaphthalene	0.13	0.00201	"	0.167	<0.00194	77.8	30-130			
1-Methylnaphthalene	0.124	0.00201	"	0.167	<0.00109	74.2	30-130			
Benzo(a)pyrene	0.131	0.00067	"	0.167	<0.000468	78.4	30-130			
Fluorene	0.115	0.00067	"	0.167	<0.000286	68.8	30-130			
Surrogate: Nitrobenzene-d5	51.6		"	0.333	181	51.6	29-110			
Surrogate: 4-Terphenyl-d14	61.8		"	0.333	217	61.8	33-122			
Surrogate: 2-Fluorobiphenyl	58.5		"	0.333	200	58.5	33-115			

LCS (LCS-L677456)		Prepared: 04/21/2023 Analyzed: 04/21/2023								
Pyrene	0.139	0.00067	mg/Kg	0.167		83.2	30-130			
Benzo(a)pyrene	0.14	0.00067	"	0.167		83.8	30-130			
Benzo(b)fluoranthene	0.122	0.00067	"	0.167		73	30-130			
Chrysene	0.13	0.00067	"	0.167		77.8	30-130			
Fluoranthene	0.14	0.00067	"	0.167		83.8	30-130			
Fluorene	0.121	0.00067	"	0.167		72.4	30-130			
Benzo(a)anthracene	0.138	0.00067	"	0.167		82.6	30-130			
Benzo(k)fluoranthene	0.131	0.00067	"	0.167		78.4	30-130			
Indeno(1,2,3-cd)pyrene	0.11	0.00067	"	0.167		65.8	30-130			
Acenaphthene	0.12	0.00067	"	0.167		71.8	30-130			
2-Methylnaphthalene	0.128	0.00201	"	0.167		76.6	30-130			
1-Methylnaphthalene	0.119	0.00201	"	0.167		71.2	30-130			
Dibenz(a,h)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Anthracene	0.125	0.00067	"	0.167		74.8	30-130			
Surrogate: Nitrobenzene-d5	60		"	0.333		60	29-110			
Surrogate: 4-Terphenyl-d14	72.3		"	0.333		72.3	33-122			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L677456 - 3550B										
LCS (LCS-L677456)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
Surrogate: 2-Fluorobiphenyl	67.5		mg/Kg	0.333		67.5	33-115			
LRB (LRB-L677456)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
Fluorene	ND	0.00067	mg/Kg				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	62.1		"	0.333		62.1	33-115			
Surrogate: Nitrobenzene-d5	54.9		"	0.333		54.9	29-110			
Surrogate: 4-Terphenyl-d14	68.1		"	0.333		68.1	33-122			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L677648 -										
DUP (L 99400-DUP)	Source: 99400				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 99400-MS)	Source: 99400				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	36.1	2.5	mg/Kg	38.9	<1.22	93	75-125			
LCS (LCS)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	6.9	0.5	mg/Kg	8		86	75-125			
LRB (LRB)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 L677623 -										
DUP (L 99391-DUP)	Source: 99391				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 99391-MS)	Source: 99391				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	36.2	2.5	mg/Kg	38.9	<1.22	93	75-125			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Notes and Definitions

U Sample is Non-Detect.

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.



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.



April 21, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green

Project Number - 1

Attached are your analytical results for Green received by Origins Laboratory, Inc. April 07, 2023. This project is associated with Origins project number Y304171-01.

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: 1
Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Floor 4	Y304171-01	Soil	April 5, 2023 15:15	04/07/2023 15:10
Green Floor 5	Y304171-02	Soil	April 6, 2023 9:50	04/07/2023 15:10
Green Floor 6	Y304171-03	Soil	April 6, 2023 1:23	04/07/2023 15:10
Green Floor 7	Y304171-04	Soil	April 6, 2023 14:05	04/07/2023 15:10
Green Floor 8	Y304171-05	Soil	April 6, 2023 16:00	04/07/2023 15:10
Green Floor 9	Y304171-06	Soil	April 7, 2023 9:30	04/07/2023 15:10
Green Floor 10	Y304171-07	Soil	April 7, 2023 11:40	04/07/2023 15:10

Chain of Custody Modification Request

On 4/17/2023, Dean Wagoner from Verdad Resources contacted Jordan Bynon via phone regarding Y304171 requesting that the remaining Table 915 analysis be added to all samples.

Requested modifications to the chain of custody were made by Jordan Bynon on 4/17/2023.

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: 1
Project: Green

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

ORIGINS
LABORATORY, INC

4304171

www.originslaboratory.com

page 1 of 1

Client: Verdad Resources
Address: 1125 17th Street
Denver Co 80202
Telephone Number: 720 845 0000
Email Address: mcguffee@verdadresources.com
Project Manager: Dean Wagoner
Project Name: Green 1
Project Number: 1
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	Other	
Green Floor 4	4-5-23	3:15pm	2					X		TPH EC SAR PH Boron As naphthalene 1,2,4 Trichloro 1,3,5 Trichloro Benzene	1
Green Floor 5	4-6-23	9:50am	2					X			2
Green Floor 6	4-6-23	12:30pm	2					X			3
Green Floor 7	4-6-23	2:05pm	2					X			4
Green Floor 8	4-6-23	4:10pm	2					X			5
Green Floor 9	4-7-23	9:30am	2					X			6
Green Floor 10	4-7-23	11:40am	2					X			7
											8
											9
											10

Temp Received -

10

Date Results Needed

Thursday

Turnaround Time:
Same Day ☐ 24 Hr ☐
48 Hr ☒ 72 Hr ☒
Standard ☐

Origins Laboratory, Inc.

J. Bynon

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: 1
Project: Green

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 430-1171

Client: Verdad Resources

Client Project ID: Green 1

Checklist Completed by: J. H. H. S.

Shipped Via: HR

Date/time completed: 4/7/12

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

Airbill #: NA

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

Cooler Number/Temperature: 1, 10 °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.

Jordan A. Bynon
Reviewed by (Project Manager)

4/7/12
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 4

4/5/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.119	0.0990	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 4

4/5/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	134 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	84.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.670		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.39		0.823	"	"	"	"	"	
Sodium	3.78		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 4

4/5/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-01 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.28	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	3.72	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.680	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	2.05	0.0925	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 4

4/5/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-01 (Soil)

Table 915 metals by EPA 6020B

Barium	18.8	9.25	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0925	"	"	"	"	"
Copper	ND	9.25	"	"	"	"	"
Lead	ND	9.25	"	"	"	"	"
Nickel	ND	9.25	"	"	"	"	"
Selenium	ND	0.0925	"	"	"	"	"
Silver	ND	0.0925	"	"	"	"	"
Zinc	ND	92.5	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 5

4/6/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.172	0.0992	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	78.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 5

4/6/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	147 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	98.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.02		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.48		0.823	"	"	"	"	"	
Sodium	3.23		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

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: 1
Project: Green

Green Floor 5

4/6/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-02 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	42.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	53.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	44.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.84	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	2.89	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.686	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	4.96	0.0848	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 5

4/6/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-02 (Soil)

Table 915 metals by EPA 6020B

Barium	55.2	8.48	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0848	"	"	"	"	"
Copper	ND	8.48	"	"	"	"	"
Lead	ND	8.48	"	"	"	"	"
Nickel	ND	8.48	"	"	"	"	"
Selenium	ND	0.0848	"	"	"	"	"
Silver	ND	0.0848	"	"	"	"	"
Zinc	ND	84.8	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 6

4/6/2023 1:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.173	0.102	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.9 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 6

4/6/2023 1:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	143 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	97.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.697		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.69		0.823	"	"	"	"	"	
Sodium	4.91		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 6

4/6/2023 1:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-03 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.31	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	4.49	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.810	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	4.09	0.0918	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 6

4/6/2023 1:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-03 (Soil)

Table 915 metals by EPA 6020B

Barium	27.7	9.18	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0918	"	"	"	"	"
Copper	ND	9.18	"	"	"	"	"
Lead	ND	9.18	"	"	"	"	"
Nickel	ND	9.18	"	"	"	"	"
Selenium	ND	0.0918	"	"	"	"	"
Silver	ND	0.0918	"	"	"	"	"
Zinc	ND	91.8	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 7
4/6/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.155	0.101	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 7

4/6/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	139 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	96.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.512		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.17		0.823	"	"	"	"	"	
Sodium	3.76		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 7

4/6/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-04 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	4.11	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.630	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	3.14	0.0896	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 7

4/6/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-04 (Soil)

Table 915 metals by EPA 6020B

Barium	20.9	8.96	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0896	"	"	"	"	"
Copper	ND	8.96	"	"	"	"	"
Lead	ND	8.96	"	"	"	"	"
Nickel	ND	8.96	"	"	"	"	"
Selenium	ND	0.0896	"	"	"	"	"
Silver	ND	0.0896	"	"	"	"	"
Zinc	ND	89.6	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 8
4/6/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.147	0.100	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	78.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 8
4/6/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	138 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	96.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.722		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.52		0.823	"	"	"	"	"	
Sodium	4.01		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 8

4/6/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-05 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.29	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	3.79	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.707	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	1.89	0.0939	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 8

4/6/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-05 (Soil)

Table 915 metals by EPA 6020B

Barium	16.0	9.39	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0939	"	"	"	"	"
Copper	ND	9.39	"	"	"	"	"
Lead	ND	9.39	"	"	"	"	"
Nickel	ND	9.39	"	"	"	"	"
Selenium	ND	0.0939	"	"	"	"	"
Silver	ND	0.0939	"	"	"	"	"
Zinc	ND	93.9	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 9

4/7/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.153	0.101	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/11/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 9

4/7/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	141 %		70-130			B3D11 27	04/11/2023	04/11/2023	GC
Surrogate: Toluene-d8	97.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.743		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.09		0.823	"	"	"	"	"	
Sodium	2.68		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 9

4/7/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304171-06 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	45.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	53.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.13	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	2.80	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.535	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	4.93	0.0890	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 9

4/7/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304171-06 (Soil)

Table 915 metals by EPA 6020B

Barium	68.1	8.90	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0890	"	"	"	"	"
Copper	ND	8.90	"	"	"	"	"
Lead	ND	8.90	"	"	"	"	"
Nickel	ND	8.90	"	"	"	"	"
Selenium	ND	0.0890	"	"	"	"	"
Silver	ND	0.0890	"	"	"	"	"
Zinc	ND	89.0	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

Green Floor 10
4/7/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.148	0.0988	mg/L	1	B3D1115	04/11/2023	04/12/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1101	04/11/2023	04/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1127	04/11/2023	04/12/2023	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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 10
4/7/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	141 %		70-130			B3D11 27	04/11/2023	04/12/2023	GC
Surrogate: Toluene-d8	97.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.801		0.499	meq/L	10	[CALC]	04/11/2023	04/12/2023	
Magnesium	1.57		0.823	"	"	"	"	"	
Sodium	3.95		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L676892	04/19/2023	04/19/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 10
4/7/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304171-07 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L676892	04/19/2023	04/19/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.26	pH Units	1	B3D1118	04/11/2023	04/12/2023
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SAR by 20B Saturated Paste

SAR	3.63	SAR	1	B3D1110	04/11/2023	04/12/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.698	0.00500	mmhos/cm	1	B3D1118	04/11/2023	04/12/2023
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Table 915 metals by EPA 6020B

Arsenic	1.57	0.0901	mg/kg	10	B3D1820	04/18/2023	04/20/2023
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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: 1
Project: Green

Green Floor 10
4/7/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304171-07 (Soil)

Table 915 metals by EPA 6020B

Barium	28.0	9.01	mg/kg	10	B3D1820	04/18/2023	04/20/2023
Cadmium	ND	0.0901	"	"	"	"	"
Copper	ND	9.01	"	"	"	"	"
Lead	ND	9.01	"	"	"	"	"
Nickel	ND	9.01	"	"	"	"	"
Selenium	ND	0.0901	"	"	"	"	"
Silver	ND	0.0901	"	"	"	"	"
Zinc	ND	90.1	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L676996	04/05/2023	04/19/2023
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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: 1
Project: Green

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 B3D1101 - EPA 3550B										
Blank (B3D1101-BLK1)					Prepared: 04/11/2023 Analyzed: 04/11/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		97.1	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1101 - EPA 3550B

LCS (B3D1101-BS1)

Prepared: 04/11/2023 Analyzed: 04/11/2023

Diesel (C10-C28)	877	50.0	mg/kg	1000		87.7	70-130			
Residual Range Organics (C28-C40)	849	200	"	1000		84.9	70-130			
Surrogate: o-Terphenyl	49		"	49.8		97.7	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1101 - EPA 3550B

Matrix Spike (B3D1101-MS1)		Source: Y304160-04			Prepared: 04/11/2023 Analyzed: 04/11/2023					
Diesel (C10-C28)	927	50.0	mg/kg	1000	105	82.2	70-130			
Residual Range Organics (C28-C40)	981	200	"	1000	187	79.4	70-130			
Surrogate: o-Terphenyl	37		"	49.8		74.1	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1101 - EPA 3550B										
Matrix Spike Dup (B3D1101-MSD1)		Source: Y304160-04			Prepared: 04/11/2023 Analyzed: 04/11/2023					
Diesel (C10-C28)	921	50.0	mg/kg	1000	105	81.6	70-130	0.645	35	
Residual Range Organics (C28-C40)	991	200	"	1000	187	80.4	70-130	1.04	35	
Surrogate: o-Terphenyl	37		"	49.8		74.5	50-150			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1127 - EPA 5030 (soil)										
Blank (B3D1127-BLK1)					Prepared: 04/11/2023 Analyzed: 04/11/2023					
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	0.16		"	0.125	131	70-130				S-GC
Surrogate: Toluene-d8	0.13		"	0.125	101	70-130				
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.0	70-130				

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1127 - EPA 5030 (soil)										
LCS (B3D1127-BS1)					Prepared: 04/11/2023 Analyzed: 04/11/2023					
1,2,4-Trimethylbenzene	0.0827	0.00200	mg/kg	0.100		82.7	70-130			
1,3,5-Trimethylbenzene	0.0850	0.00200	"	0.100		85.0	70-130			
Benzene	0.0860	0.00200	"	0.100		86.0	70-130			
Ethylbenzene	0.0852	0.00200	"	0.100		85.2	70-130			
Naphthalene	0.0861	0.00380	"	0.100		86.1	70-130			
Toluene	0.0841	0.00200	"	0.100		84.1	70-130			
o-Xylene	0.0866	0.00200	"	0.100		86.6	70-130			
m,p-Xylene	0.174	0.00400	"	0.200		86.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		126	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		119	70-130			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1127 - EPA 5030 (soil)										
Matrix Spike (B3D1127-MS1)		Source: Y304171-01			Prepared: 04/11/2023 Analyzed: 04/11/2023					
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	ND	112	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.102	0.00200	"	0.100	ND	102	70-130			
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130			
Naphthalene	0.0771	0.00380	"	0.100	0.000840	76.3	70-130			
Toluene	0.103	0.00200	"	0.100	ND	103	70-130			
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130			
m,p-Xylene	0.238	0.00400	"	0.200	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		114	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1127 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1127-MSD1)		Source: Y304171-01			Prepared: 04/11/2023 Analyzed: 04/11/2023					
1,2,4-Trimethylbenzene	0.0974	0.00200	mg/kg	0.100	ND	97.4	70-130	13.7	20	
1,3,5-Trimethylbenzene	0.0979	0.00200	"	0.100	ND	97.9	70-130	3.98	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	1.20	20	
Ethylbenzene	0.0848	0.00200	"	0.100	ND	84.8	70-130	23.7	20	QR-02
Naphthalene	0.101	0.00380	"	0.100	0.000840	100	70-130	26.9	20	QR-02
Toluene	0.0984	0.00200	"	0.100	ND	98.4	70-130	4.69	20	
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	3.12	20	
m,p-Xylene	0.181	0.00400	"	0.200	ND	90.3	70-130	27.5	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		128	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

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Project: Green

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 B3D1820 - EPA 3050B

Blank (B3D1820-BLK1)

Prepared: 04/18/2023 Analyzed: 04/20/2023

Arsenic	ND	0.000100	mg/kg
Barium	ND	0.0100	"
Cadmium	ND	0.000100	"
Copper	ND	0.0100	"
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B3D1820-BS1)

Prepared: 04/18/2023 Analyzed: 04/20/2023

Arsenic	0.0537	0.000100	mg/kg	0.0500	107	80-120
Barium	4.85	0.0100	"	5.00	97.0	80-120
Cadmium	0.0545	0.000100	"	0.0500	109	80-120
Copper	0.509	0.0100	"	0.500	102	80-120
Lead	0.0510	0.0100	"	0.0500	102	80-120
Nickel	0.0528	0.0100	"	0.0500	106	80-120
Selenium	0.0479	0.000100	"	0.0500	95.8	80-120
Silver	0.0454	0.000100	"	0.0500	90.8	80-120
Zinc	0.519	0.100	"	0.500	104	80-120

Matrix Spike (B3D1820-MS1)

Source: Y304171-01

Prepared: 04/18/2023 Analyzed: 04/20/2023

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Project: Green

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
Batch B3D1820 - EPA 3050B										
Matrix Spike (B3D1820-MS1)		Source: Y304171-01			Prepared: 04/18/2023 Analyzed: 04/20/2023					
Arsenic	6.33	0.0865	mg/kg	4.33	2.05	99.0	75-125			
Barium	444	8.65	"	433	18.8	98.3	75-125			
Cadmium	4.74	0.0865	"	4.33	0.0324	109	75-125			
Copper	45.4	8.65	"	43.3	3.44	96.9	75-125			
Lead	9.00	8.65	"	4.33	6.13	66.2	75-125			QM-07
Nickel	8.28	8.65	"	4.33	4.71	82.5	75-125			
Selenium	3.91	0.0865	"	4.33	ND	90.3	75-125			
Silver	3.74	0.0865	"	4.33	0.0120	86.2	75-125			
Zinc	58.4	86.5	"	43.3	17.6	94.2	75-125			
Matrix Spike Dup (B3D1820-MSD1)		Source: Y304171-01			Prepared: 04/18/2023 Analyzed: 04/20/2023					
Arsenic	6.68	0.0924	mg/kg	4.62	2.05	100	75-125	5.29	20	
Barium	452	9.24	"	462	18.8	93.7	75-125	1.70	20	
Cadmium	4.93	0.0924	"	4.62	0.0324	106	75-125	3.82	20	
Copper	48.4	9.24	"	46.2	3.44	97.3	75-125	6.41	20	
Lead	9.37	9.24	"	4.62	6.13	70.1	75-125	4.06	20	QM-07
Nickel	8.49	9.24	"	4.62	4.71	81.8	75-125	2.53	20	
Selenium	4.27	0.0924	"	4.62	ND	92.5	75-125	8.90	20	
Silver	3.92	0.0924	"	4.62	0.0120	84.6	75-125	4.69	20	
Zinc	60.6	92.4	"	46.2	17.6	93.1	75-125	3.77	20	

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1110 - Saturated Paste Metals

Blank (B3D1110-BLK1)

Prepared: 04/11/2023 Analyzed: 04/12/2023

SAR	0.00		SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B3D1110-DUP1)

Source: Y304145-01

Prepared: 04/11/2023 Analyzed: 04/12/2023

Calcium PPM	164	10.0	mg/L	141	15.5	50
SAR	0.00		SAR	2.28	200	200
Magnesium PPM	36.3	10.0	mg/L	31.3	14.8	50
Sodium PPM	123	10.0	"	115	6.93	50

Batch B3D1115 - DTPA Sorbitol Preparation

Blank (B3D1115-BLK1)

Prepared: 04/11/2023 Analyzed: 04/12/2023

Boron	ND	0.100	mg/L
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Duplicate (B3D1115-DUP1)

Source: Y304145-01

Prepared: 04/11/2023 Analyzed: 04/12/2023

Boron	0.103	0.0997	mg/L	0.0939	9.67	50
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Project Number: 1
Project: Green

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1118 - Saturated Paste pH/EC										
Blank (B3D1118-BLK1)					Prepared: 04/11/2023 Analyzed: 04/12/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3D1118-DUP1)					Source: Y304145-01 Prepared: 04/11/2023 Analyzed: 04/12/2023					
Specific Conductance (EC)	1.50	0.00500	mmhos/cm		1.32			12.5	25	
pH	7.92		pH Units		7.97			0.629	25	

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Project Number: 1
Project: Green

PAH by 8270D SIM - 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 L676892 - 3550B

MSD (L 98029-MSD-L676892)		Source: Y304171-05			Prepared: 04/19/2023 Analyzed: 04/19/2023					
Benzo(b)fluoranthene	0.113	0.00067	mg/Kg	0.163	<0.000585	69.3	30-130	6	30	
Pyrene	0.117	0.00067	"	0.163	<0.000643	71.7	30-130	7	30	
Benzo(a)pyrene	0.116	0.00067	"	0.163	<0.000468	71.1	30-130	2.6	30	
1-Methylnaphthalene	0.104	0.00201	"	0.163	<0.00109	63.8	30-130	6.6	30	
2-Methylnaphthalene	0.106	0.00201	"	0.163	<0.00194	65	30-130	7.5	30	
Acenaphthene	0.107	0.00067	"	0.163	<0.000304	65.6	30-130	6.7	30	
Chrysene	0.107	0.00067	"	0.163	<0.000624	65.6	30-130	4.7	30	
Benzo(a)anthracene	0.126	0.00067	"	0.163	<0.000493	77.3	30-130	5.7	30	
Indeno(1,2,3-cd)pyrene	0.107	0.00067	"	0.163	<0.000627	65.6	30-130	13.1	30	
Benzo(k)fluoranthene	0.108	0.00067	"	0.163	<0.000437	66.2	30-130	5.4	30	
Dibenz(a,h)anthracene	0.1	0.00067	"	0.163	<0.000614	61.3	30-130	12.2	30	
Fluoranthene	0.124	0.00067	"	0.163	<0.000394	76	30-130	8.4	30	
Fluorene	0.109	0.00067	"	0.163	<0.000286	66.8	30-130	5.6	30	
Anthracene	0.109	0.00067	"	0.163	<0.000334	66.8	30-130	8.6	30	
Surrogate: Nitrobenzene-d5	106		"	0.326	163	106	29-110			
Surrogate: 2-Fluorobiphenyl	103		"	0.326	155	103	33-115			
Surrogate: 4-Terphenyl-d14	114		"	0.326	179	114	33-122			

MS (L 98029-MS-L676892)		Source: Y304171-05			Prepared: 04/19/2023 Analyzed: 04/19/2023					
Pyrene	0.109	0.00067	mg/Kg	0.163	<0.000643	66.8	30-130			
Benzo(a)pyrene	0.113	0.00067	"	0.163	<0.000468	69.3	30-130			
1-Methylnaphthalene	0.0973	0.00201	"	0.163	<0.00109	59.6	30-130			
2-Methylnaphthalene	0.0983	0.00201	"	0.163	<0.00194	60.3	30-130			
Acenaphthene	0.1	0.00067	"	0.163	<0.000304	61.3	30-130			
Benzo(a)anthracene	0.119	0.00067	"	0.163	<0.000493	73	30-130			
Indeno(1,2,3-cd)pyrene	0.122	0.00067	"	0.163	<0.000627	74.8	30-130			
Benzo(b)fluoranthene	0.12	0.00067	"	0.163	<0.000585	73.6	30-130			

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Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - 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 L676892 - 3550B

MS (L 98029-MS-L676892)		Source: Y304171-05			Prepared: 04/19/2023 Analyzed: 04/19/2023					
Benzo(k)fluoranthene	0.114	0.00067	mg/Kg	0.163	<0.000437	69.9	30-130			
Chrysene	0.102	0.00067	"	0.163	<0.000624	62.5	30-130			
Dibenz(a,h)anthracene	0.113	0.00067	"	0.163	<0.000614	69.3	30-130			
Fluoranthene	0.114	0.00067	"	0.163	<0.000394	69.9	30-130			
Fluorene	0.103	0.00067	"	0.163	<0.000286	63.1	30-130			
Anthracene	0.1	0.00067	"	0.163	<0.000334	61.3	30-130			
Surrogate: 2-Fluorobiphenyl	50.4		"	0.327	155	50.4	33-115			
Surrogate: Nitrobenzene-d5	52.2		"	0.327	163	52.2	29-110			
Surrogate: 4-Terphenyl-d14	57.4		"	0.327	179	57.4	33-122			

LCS (LCS-L676892)		Prepared: 04/19/2023 Analyzed: 04/19/2023								
Fluoranthene	0.139	0.00067	mg/Kg	0.167		83.2	30-130			
Fluorene	0.119	0.00067	"	0.167		71.2	30-130			
1-Methylnaphthalene	0.113	0.00201	"	0.167		67.6	30-130			
Indeno(1,2,3-cd)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Pyrene	0.133	0.00067	"	0.167		79.6	30-130			
2-Methylnaphthalene	0.114	0.00201	"	0.167		68.2	30-130			
Dibenz(a,h)anthracene	0.112	0.00067	"	0.167		67	30-130			
Acenaphthene	0.115	0.00067	"	0.167		68.8	30-130			
Anthracene	0.123	0.00067	"	0.167		73.6	30-130			
Benzo(a)anthracene	0.144	0.00067	"	0.167		86.2	30-130			
Benzo(a)pyrene	0.136	0.00067	"	0.167		81.4	30-130			
Benzo(b)fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Benzo(k)fluoranthene	0.118	0.00067	"	0.167		70.6	30-130			
Chrysene	0.126	0.00067	"	0.167		75.4	30-130			
Surrogate: Nitrobenzene-d5	62.7		"	0.333		62.7	29-110			
Surrogate: 2-Fluorobiphenyl	60.3		"	0.333		60.3	33-115			

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Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L676892 - 3550B										
LCS (LCS-L676892)					Prepared: 04/19/2023 Analyzed: 04/19/2023					
Surrogate: 4-Terphenyl-d14	73.5		mg/Kg	0.333		73.5	33-122			
LRB (LRB-L676892)					Prepared: 04/19/2023 Analyzed: 04/19/2023					
1-Methylnaphthalene	ND	0.00201	mg/Kg				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: Nitrobenzene-d5	59.1		"	0.333		59.1	29-110			
Surrogate: 4-Terphenyl-d14	69.3		"	0.333		69.3	33-122			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333		56.4	33-115			

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Dean Wagoner
Project Number: 1
Project: Green

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 L676996 -										
DUP (L 98025-DUP)	Source: Y304171-01				Prepared: Analyzed: 04/19/2023					
Chromium, Hexavalent	ND	0.504	mg/Kg		<0.504	-		0	20	
MS (L 98025-MS)	Source: Y304171-01				Prepared: Analyzed: 04/19/2023					
Chromium, Hexavalent	34.2	2.6	mg/Kg	41.6	<1.27	82	75-125			
LCS (LCS)					Prepared: Analyzed: 04/19/2023					
Chromium, Hexavalent	7.08	0.5	mg/Kg	8		89	75-125			
LRB (LRB)					Prepared: Analyzed: 04/19/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Dean Wagoner
Project Number: 1
Project: Green

Notes and Definitions

U Sample is Non-Detect.

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

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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April 26, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green

Project Number - 1

Attached are your analytical results for Green received by Origins Laboratory, Inc. April 14, 2023. This project is associated with Origins project number Y304342-01.

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
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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: 1

Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Floor 11	Y304342-01	Soil	April 11, 2023 11:20	04/14/2023 10:08
Green Floor 12	Y304342-02	Soil	April 11, 2023 12:40	04/14/2023 10:08
Green Floor 13	Y304342-03	Soil	April 12, 2023 9:40	04/14/2023 10:08
Green Floor 14	Y304342-04	Soil	April 12, 2023 14:00	04/14/2023 10:08
Green Floor 15	Y304342-05	Soil	April 12, 2023 15:05	04/14/2023 10:08
Green Floor 16	Y304342-06	Soil	April 12, 2023 15:40	04/14/2023 10:08
Green South 1	Y304342-07	Soil	April 13, 2023 13:05	04/14/2023 10:08
Green South 2	Y304342-08	Soil	April 13, 2023 13:10	04/14/2023 10:08
Green South 3	Y304342-09	Soil	April 13, 2023 13:15	04/14/2023 10:08
Green South 4	Y304342-10	Soil	April 13, 2023 13:20	04/14/2023 10:08
Green South 5	Y304342-11	Soil	April 13, 2023 13:25	04/14/2023 10:08
Green South 6	Y304342-12	Soil	April 13, 2023 13:30	04/14/2023 10:08
Green East 1	Y304342-13	Soil	April 13, 2023 13:35	04/14/2023 10:08
Green East 2	Y304342-14	Soil	April 13, 2023 13:40	04/14/2023 10:08

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Denver CO 80202

Dean Wagoner

Project Number: 1

Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green East 3	Y304342-15	Soil	April 13, 2023 13:45	04/14/2023 10:08
Green East 4	Y304342-16	Soil	April 13, 2023 13:50	04/14/2023 10:08
Green East 5	Y304342-17	Soil	April 13, 2023 13:55	04/14/2023 10:08

Chain of Custody Modification Request

On 4/17/2023, Dean Wagoner from Verdad Resources contacted Jordan Bynon via email regarding Y304342 requesting that the remaining Table 915 analysis be added to all samples.

Requested modifications to the chain of custody were made by Jordan Bynon on 4/17/2023.

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.

Dean Wagoner
Project Number: 1
Project: Green

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4304342

page 1 of 2

Client: Verdad Resources

Project Manager: Dean Wagoner

Address: 1125 17th Street

Project Name: Green

Denver CO

Project Number: 1

Telephone Number: 720 845 6900

Samples Collected By: Dean Wagoner

Email Address: mcclugnetti@verdadresources.com

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 Canister #		
Green floor 11	4-11-23	11:20am	2									1
Green floor 12	4-11-23	12:40pm	2									2
Green floor 13	4-12-23	9:40am	2									3
Green floor 14	4-12-23	2:00pm	2									4
Green floor 15	4-12-23	3:05pm	2									5
Green floor 16	4-12-23	3:40pm	2									6
Green South 1	4-13-23	1:05pm	2									7
Green South 2	4-13-23	1:10pm	2									8
Green South 3	4-13-23	1:15pm	2									9
Green South 4	4-13-23	1:20pm	2									10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Dean Wagoner	4/14/23	10:00	[Signature]	4/14/23	10:00	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/>

Temp Received- 2

Date Results Needed

Origins Laboratory, Inc.

Byron

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Dean Wagoner
Project Number: 1
Project: Green

ORIGINS

LABORATORY, INC

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4304342

page 2 of 2

Client: Verdad Resources
Address: _____
Telephone Number: _____
Email Address: _____

Project Manager: Dean Wagoner
Project Name: _____
Project Number: _____
Samples Collected By: _____

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis				Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Tp SC	SAR PH		Boron	Nitrate Nitrogen	I.V. Cadmate / I.V. Boronate
Green South 5	4-13-23	1:25pm	2						X								1
Green South 6	4-13-23	1:30pm	2														2
Green East 1	4-13-23	1:35pm	2														3
Green East 2	4-13-23	1:40pm	2														4
Green East 3	4-13-23	1:45pm	2														5
Green East 4	4-13-23	1:50pm	2														6
Green East 5	4-13-23	1:55pm	2														7
																	8
																	9
																	10
Relinquished By: <u>Dean Wagoner</u>	Date: <u>4/14/23</u>	Time: <u>1000</u>		Received By: <u>[Signature]</u>	Date: <u>4/14/23</u>	Time: <u>1000</u>		Date: <u>4/14/23</u>	Time: <u>1000</u>					Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard <input type="checkbox"/>			
Relinquished By:	Date:	Time:		Received By:	Date:	Time:		Date:	Time:								

Temp Received-

2

Date Results Needed

Origins Laboratory, Inc.

Byron

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: 1
Project: Green

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4304342

Client: Verdad

Client Project ID: Green

Checklist Completed by: EAS

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

Date/time completed: 4/14/25

Airbill #: NA

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

Cooler Number/Temperature: 1 / 2.0 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 8°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) [Signature]

Date/Time Reviewed 4/17/23

Origins Laboratory, Inc.

[Signature]

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 11

4/11/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304342-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0995	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.7 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/14/2023	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	78.6 %	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: 1
Project: Green

Green Floor 11

4/11/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304342-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.9 %	70-130	B3D14 31	04/14/2023	04/14/2023
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	0.835	0.823	"	"	"	"	"
Sodium	2.07	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 11

4/11/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304342-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	50.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.07	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.54	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.380	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.93	0.0841	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 11

4/11/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304342-01 (Soil)

Table 915 metals by EPA 6020B

Barium	19.2	8.41	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.109	0.0841	"	"	"	"	"
Copper	ND	8.41	"	"	"	"	"
Lead	ND	8.41	"	"	"	"	"
Nickel	ND	8.41	"	"	"	"	"
Selenium	ND	0.0841	"	"	"	"	"
Silver	0.0892	0.0841	"	"	"	"	"
Zinc	ND	84.1	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.251	0.516	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green Floor 12
4/11/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.119	0.0983	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.6 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/14/2023	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	80.8 %	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: 1
Project: Green

Green Floor 12

4/11/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304342-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.4 %		70-130			B3D14 31	04/14/2023	04/14/2023	
Surrogate: 4-Bromofluorobenzene	98.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.618		0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023	
Magnesium	1.05		0.823	"	"	"	"	"	
Sodium	2.26		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 12

4/11/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304342-02 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.48	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.451	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.67	0.0946	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 12

4/11/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304342-02 (Soil)

Table 915 metals by EPA 6020B

Barium	13.2	9.46	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	ND	0.0946	"	"	"	"	"
Copper	ND	9.46	"	"	"	"	"
Lead	ND	9.46	"	"	"	"	"
Nickel	ND	9.46	"	"	"	"	"
Selenium	ND	0.0946	"	"	"	"	"
Silver	ND	0.0946	"	"	"	"	"
Zinc	ND	94.6	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green Floor 13
4/12/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.190	0.0994	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.9 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/14/2023	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	82.0 %	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: 1
Project: Green

Green Floor 13
4/12/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.6 %	70-130	B3D14 31	04/14/2023	04/14/2023
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.540	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.16	0.823	"	"	"	"	"
Sodium	3.53	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

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: 1
Project: Green

Green Floor 13
4/12/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	43.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	51.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.35	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.84	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.594	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.21	0.0957	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 13
4/12/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-03 (Soil)

Table 915 metals by EPA 6020B

Barium	23.5	9.57	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	ND	0.0957	"	"	"	"	"
Copper	ND	9.57	"	"	"	"	"
Lead	ND	9.57	"	"	"	"	"
Nickel	ND	9.57	"	"	"	"	"
Selenium	ND	0.0957	"	"	"	"	"
Silver	ND	0.0957	"	"	"	"	"
Zinc	ND	95.7	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green Floor 14
4/12/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.192	0.101	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	75.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	82.1 %	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: 1
Project: Green

Green Floor 14
4/12/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.4 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	98.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	0.914	0.823	"	"	"	"	"
Sodium	3.23	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 14
4/12/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-04 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	46.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.95	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.523	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.08	0.0835	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 14
4/12/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-04 (Soil)

Table 915 metals by EPA 6020B

Barium	26.3	8.35	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.116	0.0835	"	"	"	"	"
Copper	ND	8.35	"	"	"	"	"
Lead	ND	8.35	"	"	"	"	"
Nickel	ND	8.35	"	"	"	"	"
Selenium	0.0885	0.0835	"	"	"	"	"
Silver	ND	0.0835	"	"	"	"	"
Zinc	ND	83.5	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green Floor 15
4/12/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.173	0.101	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	82.5 %	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: 1
Project: Green

Green Floor 15
4/12/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.6 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.3 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.711	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.49	0.823	"	"	"	"	"
Sodium	2.07	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 15
4/12/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-05 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	50.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.3 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.18	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	1.97	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.500	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.59	0.0942	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 15
4/12/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-05 (Soil)

Table 915 metals by EPA 6020B

Barium	27.7	9.42	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	ND	0.0942	"	"	"	"	"
Copper	ND	9.42	"	"	"	"	"
Lead	ND	9.42	"	"	"	"	"
Nickel	ND	9.42	"	"	"	"	"
Selenium	ND	0.0942	"	"	"	"	"
Silver	ND	0.0942	"	"	"	"	"
Zinc	ND	94.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.251	0.516	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green Floor 16
4/12/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.163	0.0995	mg/L	1	B3D1709	04/17/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.6 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	83.2 %	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: 1
Project: Green

Green Floor 16
4/12/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.3 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	98.1 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.531	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.33	0.823	"	"	"	"	"
Sodium	2.62	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Floor 16
4/12/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-06 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	52.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.16	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.71	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.520	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.19	0.0946	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green Floor 16
4/12/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-06 (Soil)

Table 915 metals by EPA 6020B

Barium	15.8	9.46	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	ND	0.0946	"	"	"	"	"
Copper	ND	9.46	"	"	"	"	"
Lead	ND	9.46	"	"	"	"	"
Nickel	ND	9.46	"	"	"	"	"
Selenium	ND	0.0946	"	"	"	"	"
Silver	ND	0.0946	"	"	"	"	"
Zinc	ND	94.6	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.246	0.505	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green South 1
4/13/2023 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.197	0.0990	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	83.1 %	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: 1
Project: Green

Green South 1
4/13/2023 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.5 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.04	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	2.36	0.823	"	"	"	"	"
Sodium	3.17	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 1
4/13/2023 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-07 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	56.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.31	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.43	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.709	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.96	0.0898	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 1
4/13/2023 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-07 (Soil)

Table 915 metals by EPA 6020B

Barium	143		8.98	mg/kg	10	B3D1831	04/18/2023	04/19/2023	
Cadmium	0.199		0.0898	"	"	"	"	"	
Copper	ND		8.98	"	"	"	"	"	
Lead	ND		8.98	"	"	"	"	"	
Nickel	12.9		8.98	"	"	"	"	"	
Selenium	ND		0.0898	"	"	"	"	"	
Silver	ND		0.0898	"	"	"	"	"	
Zinc	ND		89.8	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.248	0.509	mg/Kg	1	L677990	04/11/2023	04/24/2023	
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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: 1
Project: Green

Green South 2
4/13/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.762	0.100	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	82.4 %	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: 1
Project: Green

Green South 2
4/13/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.9 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.32	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	3.03	0.823	"	"	"	"	"
Sodium	4.84	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 2
4/13/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-08 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.35	pH Units	1	B3D1915	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.28	SAR	1	B3D1907	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.993	0.00500	mmhos/cm	1	B3D1915	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.69	0.0870	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 2
4/13/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-08 (Soil)

Table 915 metals by EPA 6020B

Barium	50.6	8.70	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.107	0.0870	"	"	"	"	"
Copper	8.96	8.70	"	"	"	"	"
Lead	ND	8.70	"	"	"	"	"
Nickel	ND	8.70	"	"	"	"	"
Selenium	ND	0.0870	"	"	"	"	"
Silver	ND	0.0870	"	"	"	"	"
Zinc	ND	87.0	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.263	0.54	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green South 3
4/13/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.607	0.0991	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.9 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	84.2 %	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: 1
Project: Green

Green South 3
4/13/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.7 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.22	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	3.01	0.823	"	"	"	"	"
Sodium	5.97	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 3
4/13/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-09 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	45 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	50.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	4.11	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.08	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.63	0.0895	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 3
4/13/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-09 (Soil)

Table 915 metals by EPA 6020B

Barium	78.9	8.95	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.132	0.0895	"	"	"	"	"
Copper	ND	8.95	"	"	"	"	"
Lead	ND	8.95	"	"	"	"	"
Nickel	9.55	8.95	"	"	"	"	"
Selenium	ND	0.0895	"	"	"	"	"
Silver	ND	0.0895	"	"	"	"	"
Zinc	ND	89.5	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green South 4
4/13/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-10 (Soil)

Boron (DTPA Sorbitol)

Boron	1.10	0.102	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	84.7 %	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: 1
Project: Green

Green South 4
4/13/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.8 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.56	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	4.17	0.823	"	"	"	"	"
Sodium	7.43	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 4
4/13/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-10 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	46.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	50.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.35	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	4.39	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.31	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.81	0.0887	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 4
4/13/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-10 (Soil)

Table 915 metals by EPA 6020B

Barium	95.4	8.87	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.127	0.0887	"	"	"	"	"
Copper	9.07	8.87	"	"	"	"	"
Lead	ND	8.87	"	"	"	"	"
Nickel	9.55	8.87	"	"	"	"	"
Selenium	0.114	0.0887	"	"	"	"	"
Silver	ND	0.0887	"	"	"	"	"
Zinc	ND	88.7	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677990	04/11/2023	04/24/2023
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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: 1
Project: Green

Green South 5
4/13/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.748	0.102	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	85.1 %	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: 1
Project: Green

Green South 5
4/13/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.7 %		70-130			B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.7 %		70-130			"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.38		0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	3.54		0.823	"	"	"	"	"
Sodium	5.86		0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 5
4/13/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-11 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	53.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.5 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.74	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.14	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.11	0.0856	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 5
4/13/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-11 (Soil)

Table 915 metals by EPA 6020B

Barium	204	8.56	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.108	0.0856	"	"	"	"	"
Copper	ND	8.56	"	"	"	"	"
Lead	ND	8.56	"	"	"	"	"
Nickel	ND	8.56	"	"	"	"	"
Selenium	ND	0.0856	"	"	"	"	"
Silver	ND	0.0856	"	"	"	"	"
Zinc	ND	85.6	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677991	04/11/2023	04/24/2023
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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: 1
Project: Green

Green South 6
4/13/2023 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.921	0.0991	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	85.9 %	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: 1
Project: Green

Green South 6
4/13/2023 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.7 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.84	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	4.78	0.823	"	"	"	"	"
Sodium	7.50	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 6
4/13/2023 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-12 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.36	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	4.12	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.45	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.38	0.0952	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green South 6
4/13/2023 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-12 (Soil)

Table 915 metals by EPA 6020B

Barium	122	9.52	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.111	0.0952	"	"	"	"	"
Copper	ND	9.52	"	"	"	"	"
Lead	ND	9.52	"	"	"	"	"
Nickel	9.59	9.52	"	"	"	"	"
Selenium	0.135	0.0952	"	"	"	"	"
Silver	ND	0.0952	"	"	"	"	"
Zinc	ND	95.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.501	mg/Kg	1	L677991	04/11/2023	04/24/2023
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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: 1
Project: Green

Green East 1
4/13/2023 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-13 (Soil)

Boron (DTPA Sorbitol)

Boron	1.57	0.100	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.1 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	87.8 %	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: 1
Project: Green

Green East 1
4/13/2023 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-13 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.1 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.13	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	9.00	0.823	"	"	"	"	"
Sodium	15.6	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

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: 1
Project: Green

Green East 1
4/13/2023 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-13 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	56 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.3 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.43	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	6.61	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.64	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.57	0.0869	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green East 1
4/13/2023 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-13 (Soil)

Table 915 metals by EPA 6020B

Barium	71.3	8.69	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.154	0.0869	"	"	"	"	"
Copper	10.4	8.69	"	"	"	"	"
Lead	ND	8.69	"	"	"	"	"
Nickel	ND	8.69	"	"	"	"	"
Selenium	0.154	0.0869	"	"	"	"	"
Silver	ND	0.0869	"	"	"	"	"
Zinc	ND	86.9	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.245	0.503	mg/Kg	1	L677991	04/11/2023	04/24/2023
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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: 1
Project: Green

Green East 2
4/13/2023 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-14 (Soil)

Boron (DTPA Sorbitol)

Boron	1.64	0.100	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	87.5 %	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: 1
Project: Green

Green East 2
4/13/2023 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-14 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.2 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	99.0 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.06	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	8.15	0.823	"	"	"	"	"
Sodium	13.9	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 2
4/13/2023 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-14 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	46.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.36	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	6.17	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.44	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	5.32	0.0953	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green East 2
4/13/2023 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-14 (Soil)

Table 915 metals by EPA 6020B

Barium	90.3	9.53	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.157	0.0953	"	"	"	"	"
Copper	10.8	9.53	"	"	"	"	"
Lead	ND	9.53	"	"	"	"	"
Nickel	10.3	9.53	"	"	"	"	"
Selenium	0.114	0.0953	"	"	"	"	"
Silver	ND	0.0953	"	"	"	"	"
Zinc	ND	95.3	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677991	04/11/2023	04/24/2023
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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: 1
Project: Green

Green East 3
4/13/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-15 (Soil)

Boron (DTPA Sorbitol)

Boron	1.30	0.0998	mg/L	1	B3D1808	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	86.6 %	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: 1
Project: Green

Green East 3
4/13/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-15 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.1 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	98.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.57	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	5.25	0.823	"	"	"	"	"
Sodium	8.98	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 3
4/13/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-15 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.4 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	61.3 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	56.4 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.42			pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	4.86			SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.66		0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.67		0.0901	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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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: 1
Project: Green

Green East 3
4/13/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-15 (Soil)

Table 915 metals by EPA 6020B

Barium	103	9.01	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.156	0.0901	"	"	"	"	"
Copper	10.6	9.01	"	"	"	"	"
Lead	ND	9.01	"	"	"	"	"
Nickel	9.65	9.01	"	"	"	"	"
Selenium	0.108	0.0901	"	"	"	"	"
Silver	ND	0.0901	"	"	"	"	"
Zinc	ND	90.1	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.501	mg/Kg	1	L677991	04/11/2023	04/24/2023
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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: 1
Project: Green

Green East 4
4/13/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.763	0.101	mg/L	1	B3D1809	04/18/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	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	B3D1431	04/14/2023	04/15/2023	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	87.9 %	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: 1
Project: Green

Green East 4
4/13/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-16 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.9 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.45	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	4.54	0.823	"	"	"	"	"
Sodium	6.94	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 4
4/13/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-16 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.3 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	59.6 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	55.4 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.43			pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	4.01			SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.33		0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.50		0.0902	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 4
4/13/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-16 (Soil)

Table 915 metals by EPA 6020B

Barium	93.4	9.02	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.167	0.0902	"	"	"	"	"
Copper	9.64	9.02	"	"	"	"	"
Lead	ND	9.02	"	"	"	"	"
Nickel	9.05	9.02	"	"	"	"	"
Selenium	0.126	0.0902	"	"	"	"	"
Silver	ND	0.0902	"	"	"	"	"
Zinc	ND	90.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677991	04/11/2023	04/24/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 5
4/13/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-17 (Soil)

Boron (DTPA Sorbitol)

Boron	0.535	0.101	mg/L	1	B3D1809	04/18/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1713	04/17/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.7 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1431	04/14/2023	04/15/2023	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	90.0 %	70-130	"	"	"	"	"	
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1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 5
4/13/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-17 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.8 %	70-130	B3D14 31	04/14/2023	04/15/2023
Surrogate: 4-Bromofluorobenzene	98.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.782	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.99	0.823	"	"	"	"	"
Sodium	3.22	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677736	04/24/2023	04/24/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000658	0.000585	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000624	0.000394	0.00067	"	"	"	"	"	J

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Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green East 5
4/13/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304342-17 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677736	04/24/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.3 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.48	pH Units	1	B3D1916	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.74	SAR	1	B3D1908	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.637	0.00500	mmhos/cm	1	B3D1916	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	4.32	0.0937	mg/kg	10	B3D1831	04/18/2023	04/19/2023
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Dean Wagoner
Project Number: 1
Project: Green

Green East 5
4/13/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304342-17 (Soil)

Table 915 metals by EPA 6020B

Barium	55.4	9.37	mg/kg	10	B3D1831	04/18/2023	04/19/2023
Cadmium	0.156	0.0937	"	"	"	"	"
Copper	ND	9.37	"	"	"	"	"
Lead	ND	9.37	"	"	"	"	"
Nickel	ND	9.37	"	"	"	"	"
Selenium	0.153	0.0937	"	"	"	"	"
Silver	ND	0.0937	"	"	"	"	"
Zinc	ND	93.7	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	1	L677991	04/11/2023	04/24/2023
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Project: Green

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 B3D1431 - EPA 5030 (soil)										
Blank (B3D1431-BLK1)					Prepared: 04/14/2023 Analyzed: 04/14/2023					
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	0.092		"	0.125		73.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.2	70-130			

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Project Number: 1
Project: Green

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 B3D1431 - EPA 5030 (soil)										
LCS (B3D1431-BS1)					Prepared: 04/14/2023 Analyzed: 04/14/2023					
1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0919	0.00200	"	0.100		91.9	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.0939	0.00200	"	0.100		93.9	70-130			
o-Xylene	0.110	0.00200	"	0.100		110	70-130			
m,p-Xylene	0.222	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.088		"	0.125		70.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.6	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1431 - EPA 5030 (soil)										
Matrix Spike (B3D1431-MS1)		Source: Y304310-01			Prepared: 04/14/2023 Analyzed: 04/14/2023					
1,2,4-Trimethylbenzene	0.0799	0.00200	mg/kg	0.100	ND	79.9	70-130			
1,3,5-Trimethylbenzene	0.0791	0.00200	"	0.100	ND	79.1	70-130			
Benzene	0.0716	0.00200	"	0.100	0.00204	69.6	70-130			QM-07
Ethylbenzene	0.0804	0.00200	"	0.100	ND	80.4	70-130			
Naphthalene	0.0684	0.00380	"	0.100	0.000900	67.5	70-130			QM-07
Toluene	0.0804	0.00200	"	0.100	0.00906	71.3	70-130			
o-Xylene	0.0855	0.00200	"	0.100	0.000580	84.9	70-130			
m,p-Xylene	0.172	0.00400	"	0.200	ND	86.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.088		"	0.125		70.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1431 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1431-MSD1)		Source: Y304310-01			Prepared: 04/14/2023 Analyzed: 04/14/2023					
1,2,4-Trimethylbenzene	0.0727	0.00200	mg/kg	0.100	ND	72.7	70-130	9.51	20	
1,3,5-Trimethylbenzene	0.0725	0.00200	"	0.100	ND	72.5	70-130	8.71	20	
Benzene	0.0668	0.00200	"	0.100	0.00204	64.8	70-130	6.96	20	QM-07
Ethylbenzene	0.0729	0.00200	"	0.100	ND	72.9	70-130	9.81	20	
Naphthalene	0.0645	0.00380	"	0.100	0.000900	63.6	70-130	5.93	20	QM-07
Toluene	0.0733	0.00200	"	0.100	0.00906	64.3	70-130	9.16	20	QM-07
o-Xylene	0.0780	0.00200	"	0.100	0.000580	77.4	70-130	9.15	20	
m,p-Xylene	0.156	0.00400	"	0.200	ND	78.2	70-130	9.42	20	
Surrogate: 1,2-Dichloroethane-d4	0.091		"	0.125		72.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

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Project Number: 1
Project: Green

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 B3D1713 - EPA 3550B										
Blank (B3D1713-BLK1)					Prepared: 04/17/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		90.7	50-150			

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Project Number: 1
Project: Green

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 B3D1713 - EPA 3550B

LCS (B3D1713-BS1)

Prepared: 04/17/2023 Analyzed: 04/18/2023

Diesel (C10-C28)	991	50.0	mg/kg	1000		99.1	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	53		"	49.8		108	50-150			

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1713 - EPA 3550B

Matrix Spike (B3D1713-MS1)		Source: Y304342-01			Prepared: 04/17/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	933	50.0	mg/kg	1000	ND	93.3	70-130			
Residual Range Organics (C28-C40)	969	200	"	1000	ND	96.9	70-130			
Surrogate: o-Terphenyl	49		"	49.8		97.7	50-150			

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1713 - EPA 3550B										
Matrix Spike Dup (B3D1713-MSD1)		Source: Y304342-01			Prepared: 04/17/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	907	50.0	mg/kg	1000	ND	90.7	70-130	2.84	35	
Residual Range Organics (C28-C40)	941	200	"	1000	ND	94.1	70-130	2.89	35	
Surrogate: o-Terphenyl	48		"	49.8		97.2	50-150			

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Dean Wagoner
Project Number: 1
Project: Green

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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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 B3D1831 - EPA 3050B

Blank (B3D1831-BLK1)

Prepared: 04/18/2023 Analyzed: 04/19/2023

Arsenic	ND	0.000100	mg/kg
Barium	ND	0.0100	"
Cadmium	ND	0.000100	"
Copper	ND	0.0100	"
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B3D1831-BS1)

Prepared: 04/18/2023 Analyzed: 04/19/2023

Arsenic	0.0516	0.000100	mg/kg	0.0500	103	80-120
Barium	5.21	0.0100	"	5.00	104	80-120
Cadmium	0.0515	0.000100	"	0.0500	103	80-120
Copper	0.545	0.0100	"	0.500	109	80-120
Lead	0.0497	0.0100	"	0.0500	99.4	80-120
Nickel	0.0502	0.0100	"	0.0500	100	80-120
Selenium	0.0500	0.000100	"	0.0500	100	80-120
Silver	0.0424	0.000100	"	0.0500	84.8	80-120
Zinc	0.477	0.100	"	0.500	95.3	80-120

Matrix Spike (B3D1831-MS1)

Source: Y304342-01

Prepared: 04/18/2023 Analyzed: 04/19/2023

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: 1
Project: Green

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
Batch B3D1831 - EPA 3050B										
Matrix Spike (B3D1831-MS1)			Source: Y304342-01		Prepared: 04/18/2023 Analyzed: 04/19/2023					
Arsenic	8.12	0.0881	mg/kg	4.41	2.93	118	75-125			
Barium	506	8.81	"	441	19.2	110	75-125			
Cadmium	5.39	0.0881	"	4.41	0.109	120	75-125			
Copper	55.7	8.81	"	44.1	2.66	120	75-125			
Lead	9.92	8.81	"	4.41	4.25	129	75-125			QM-07
Nickel	6.61	8.81	"	4.41	1.36	119	75-125			
Selenium	4.12	0.0881	"	4.41	ND	93.6	75-125			
Silver	4.40	0.0881	"	4.41	0.0892	97.7	75-125			
Zinc	56.6	88.1	"	44.1	7.91	111	75-125			
Matrix Spike Dup (B3D1831-MSD1)			Source: Y304342-01		Prepared: 04/18/2023 Analyzed: 04/19/2023					
Arsenic	7.48	0.0867	mg/kg	4.34	2.93	105	75-125	8.28	20	
Barium	431	8.67	"	434	19.2	95.0	75-125	16.0	20	
Cadmium	4.54	0.0867	"	4.34	0.109	102	75-125	17.3	20	
Copper	46.3	8.67	"	43.4	2.66	101	75-125	18.4	20	
Lead	9.57	8.67	"	4.34	4.25	123	75-125	3.54	20	
Nickel	5.76	8.67	"	4.34	1.36	101	75-125	13.8	20	
Selenium	4.01	0.0867	"	4.34	ND	92.5	75-125	2.75	20	
Silver	3.64	0.0867	"	4.34	0.0892	81.8	75-125	18.9	20	
Zinc	50.0	86.7	"	43.4	7.91	97.1	75-125	12.4	20	

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1709 - DTPA Sorbitol Preparation										
Blank (B3D1709-BLK1)					Prepared: 04/17/2023 Analyzed: 04/18/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3D1709-DUP1)					Source: Y304245-08 Prepared: 04/17/2023 Analyzed: 04/18/2023					
Boron	0.812	0.0984	mg/L		0.882			8.28	50	
Batch B3D1808 - DTPA Sorbitol Preparation										
Blank (B3D1808-BLK1)					Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3D1808-DUP1)					Source: Y304342-07 Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	0.257	0.100	mg/L		0.197			26.4	50	
Batch B3D1809 - DTPA Sorbitol Preparation										
Blank (B3D1809-BLK1)					Prepared: 04/18/2023 Analyzed: 04/20/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3D1809-DUP1)					Source: Y304315-01 Prepared: 04/18/2023 Analyzed: 04/20/2023					
Boron	0.0331	0.0985	mg/L		0.0636			63.0	50	
Batch B3D1907 - Saturated Paste Metals										
Blank (B3D1907-BLK1)					Prepared: 04/19/2023 Analyzed: 04/21/2023					
SAR	0.00		SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

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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 B3D1907 - Saturated Paste Metals

Duplicate (B3D1907-DUP1)		Source: Y304273-02			Prepared: 04/19/2023 Analyzed: 04/21/2023					
Calcium PPM	28.9	10.0	mg/L		31.8		9.48	50		
SAR	0.00		SAR		2.45		200	200		
Magnesium PPM	9.02	10.0	mg/L		9.92		9.44	50		
Sodium PPM	55.8	10.0	"		61.7		9.94	50		

Batch B3D1908 - Saturated Paste Metals

Blank (B3D1908-BLK1)		Prepared: 04/19/2023 Analyzed: 04/21/2023								
Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							
Duplicate (B3D1908-DUP1)		Source: Y304342-09			Prepared: 04/19/2023 Analyzed: 04/21/2023					
Calcium PPM	22.5	10.0	mg/L		24.5		8.42	50		
SAR	0.00		SAR		4.11		200	200		
Magnesium PPM	34.0	10.0	mg/L		36.5		7.17	50		
Sodium PPM	129	10.0	"		137		6.48	50		

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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 B3D1915 - Saturated Paste pH/EC

Blank (B3D1915-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3D1915-DUP1)

Source: Y304273-02

Prepared: 04/19/2023 Analyzed: 04/20/2023

Specific Conductance (EC)	0.529	0.00500	mmhos/cm	0.569	7.36	25
pH	8.24		pH Units	8.29	0.605	25

Batch B3D1916 - Saturated Paste pH/EC

Blank (B3D1916-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3D1916-DUP1)

Source: Y304342-09

Prepared: 04/19/2023 Analyzed: 04/20/2023

Specific Conductance (EC)	1.00	0.00500	mmhos/cm	1.08	7.50	25
pH	8.40		pH Units	8.38	0.238	25

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677736 - 3550B

MSD (L 98737-MSD-L677736)		Source: Y304342-10			Prepared: 04/24/2023 Analyzed: 04/24/2023					
Benzo(a)anthracene	0.124	0.00067	mg/Kg	0.166	<0.000493	74.6	30-130	24.5	30	
Chrysene	0.104	0.00067	"	0.166	<0.000624	62.6	30-130	19.2	30	
Benzo(k)fluoranthene	0.11	0.00067	"	0.166	<0.000437	66.2	30-130	25.6	30	
1-Methylnaphthalene	0.0998	0.00201	"	0.166	<0.00109	60.1	30-130	23.6	30	
Benzo(b)fluoranthene	0.123	0.00067	"	0.166	<0.000585	74	30-130	19.6	30	
Benzo(a)pyrene	0.111	0.00067	"	0.166	<0.000468	66.8	30-130	21	30	
Anthracene	0.106	0.00067	"	0.166	<0.000334	63.8	30-130	25.1	30	
Acenaphthene	0.102	0.00067	"	0.166	<0.000304	61.4	30-130	24	30	
Fluoranthene	0.112	0.00067	"	0.166	<0.000394	67.4	30-130	22.6	30	
Fluorene	0.107	0.00067	"	0.166	<0.000286	64.4	30-130	24.3	30	
2-Methylnaphthalene	0.1	0.00201	"	0.166	<0.00194	60.2	30-130	23	30	
Indeno(1,2,3-cd)pyrene	0.108	0.00067	"	0.166	<0.000627	65	30-130	24.5	30	
Naphthalene	0.0975	0.00201	"	0.166	<0.00145	58.7	30-130	23.2	30	
Pyrene	0.112	0.00067	"	0.166	<0.000643	67.4	30-130	25.4	30	
Dibenz(a,h)anthracene	0.103	0.00067	"	0.166	<0.000614	62	30-130	24.6	30	
Surrogate: 4-Terphenyl-d14	57.4		"	0.331	165	57.4	33-122			
Surrogate: 2-Fluorobiphenyl	49.5		"	0.331	152	49.5	33-115			
Surrogate: Nitrobenzene-d5	51.3		"	0.331	157	51.3	29-110			

MS (L 98737-MS-L677736)		Source: Y304342-10			Prepared: 04/24/2023 Analyzed: 04/24/2023					
Fluorene	0.0838	0.00067	mg/Kg	0.167	<0.000286	50.1	30-130			
Pyrene	0.0867	0.00067	"	0.167	<0.000643	51.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0844	0.00067	"	0.167	<0.000627	50.5	30-130			
Fluoranthene	0.0892	0.00067	"	0.167	<0.000394	53.4	30-130			
Dibenz(a,h)anthracene	0.0804	0.00067	"	0.167	<0.000614	48.1	30-130			
Chrysene	0.0857	0.00067	"	0.167	<0.000624	51.3	30-130			
Benzo(k)fluoranthene	0.085	0.00067	"	0.167	<0.000437	50.8	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677736 - 3550B

MS (L 98737-MS-L677736)		Source: Y304342-10			Prepared: 04/24/2023 Analyzed: 04/24/2023					
1-Methylnaphthalene	0.0787	0.00201	mg/Kg	0.167	<0.00109	47.1	30-130			
Naphthalene	0.0772	0.00201	"	0.167	<0.00145	46.2	30-130			
Benzo(b)fluoranthene	0.101	0.00067	"	0.167	<0.000585	60.4	30-130			
2-Methylnaphthalene	0.0793	0.00201	"	0.167	<0.00194	47.4	30-130			
Acenaphthene	0.0801	0.00067	"	0.167	<0.000304	47.9	30-130			
Anthracene	0.0823	0.00067	"	0.167	<0.000334	49.2	30-130			
Benzo(a)anthracene	0.0969	0.00067	"	0.167	<0.000493	58	30-130			
Benzo(a)pyrene	0.0899	0.00067	"	0.167	<0.000468	53.8	30-130			
Surrogate: Nitrobenzene-d5	40.2		"	0.333	157	40.2	29-110			
Surrogate: 4-Terphenyl-d14	44.7		"	0.333	165	44.7	33-122			
Surrogate: 2-Fluorobiphenyl	39.6		"	0.333	152	39.6	33-115			

LCS (LCS-L677736)		Prepared: 04/24/2023 Analyzed: 04/24/2023								
Fluoranthene	0.106	0.00067	mg/Kg	0.167		63.4	30-130			
Acenaphthene	0.0927	0.00067	"	0.167		55.5	30-130			
Fluorene	0.0972	0.00067	"	0.167		58.2	30-130			
1-Methylnaphthalene	0.0909	0.00201	"	0.167		54.4	30-130			
Naphthalene	0.089	0.00201	"	0.167		53.2	30-130			
Chrysene	0.0973	0.00067	"	0.167		58.2	30-130			
Benzo(k)fluoranthene	0.102	0.00067	"	0.167		61	30-130			
Dibenz(a,h)anthracene	0.0986	0.00067	"	0.167		59	30-130			
Indeno(1,2,3-cd)pyrene	0.103	0.00067	"	0.167		61.6	30-130			
Benzo(b)fluoranthene	0.114	0.00067	"	0.167		68.2	30-130			
Benzo(a)pyrene	0.106	0.00067	"	0.167		63.4	30-130			
Anthracene	0.0956	0.00067	"	0.167		57.2	30-130			
Pyrene	0.103	0.00067	"	0.167		61.6	30-130			
2-Methylnaphthalene	0.091	0.00201	"	0.167		54.4	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677736 - 3550B

LCS (LCS-L677736)

Prepared: 04/24/2023 Analyzed: 04/24/2023

Benzo(a)anthracene	0.116	0.00067	mg/Kg	0.167		69.4	30-130			
Surrogate: Nitrobenzene-d5	49.5		"	0.333		49.5	29-110			
Surrogate: 4-Terphenyl-d14	53.7		"	0.333		53.7	33-122			
Surrogate: 2-Fluorobiphenyl	47.1		"	0.333		47.1	33-115			

LRB (LRB-L677736)

Prepared: 04/24/2023 Analyzed: 04/24/2023

Acenaphthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: 4-Terphenyl-d14	63		"	0.333		63	33-122			
Surrogate: Nitrobenzene-d5	57.9		"	0.333		57.9	29-110			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333		56.7	33-115			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677615 - 3550B

MSD (L 99437-MSD-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Dibenz(a,h)anthracene	0.092	0.00067	mg/Kg	0.166	<0.000614	55.4	30-130	4.1	30	
Benzo(b)fluoranthene	0.11	0.00067	"	0.166	<0.000585	66.2	30-130	3.7	30	
1-Methylnaphthalene	0.0908	0.00201	"	0.166	<0.00109	54.6	30-130	7.1	30	
2-Methylnaphthalene	0.0912	0.00201	"	0.166	<0.00194	54.9	30-130	7.2	30	
Acenaphthene	0.0932	0.00067	"	0.166	<0.000304	56.1	30-130	6.4	30	
Anthracene	0.0945	0.00067	"	0.166	<0.000334	56.9	30-130	5.6	30	
Fluorene	0.0962	0.00067	"	0.166	<0.000286	57.9	30-130	4	30	
Benzo(a)pyrene	0.0985	0.00067	"	0.166	<0.000468	59.3	30-130	0.8	30	
Pyrene	0.101	0.00067	"	0.166	<0.000643	60.8	30-130	4	30	
Benzo(k)fluoranthene	0.0969	0.00067	"	0.166	<0.000437	58.3	30-130	1.6	30	
Chrysene	0.0982	0.00067	"	0.166	<0.000624	59.1	30-130	2.9	30	
Fluoranthene	0.101	0.00067	"	0.166	<0.000394	60.8	30-130	4.2	30	
Indeno(1,2,3-cd)pyrene	0.0959	0.00067	"	0.166	<0.000627	57.7	30-130	2.2	30	
Naphthalene	0.0879	0.00201	"	0.166	<0.00145	52.9	30-130	6.8	30	
Benzo(a)anthracene	0.108	0.00067	"	0.166	<0.000493	65	30-130	3.7	30	
Surrogate: 2-Fluorobiphenyl	46.6		"	0.332	163	46.6	33-115			
Surrogate: 4-Terphenyl-d14	52.1		"	0.332	183	52.1	33-122			
Surrogate: Nitrobenzene-d5	47.2		"	0.332	167	47.2	29-110			

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
2-Methylnaphthalene	0.0848	0.00201	mg/Kg	0.163	<0.00194	52	30-130			
Benzo(k)fluoranthene	0.0953	0.00067	"	0.163	<0.000437	58.4	30-130			
1-Methylnaphthalene	0.0845	0.00201	"	0.163	<0.00109	51.8	30-130			
Anthracene	0.0893	0.00067	"	0.163	<0.000334	54.7	30-130			
Benzo(a)anthracene	0.104	0.00067	"	0.163	<0.000493	63.8	30-130			
Acenaphthene	0.0874	0.00067	"	0.163	<0.000304	53.6	30-130			
Benzo(b)fluoranthene	0.106	0.00067	"	0.163	<0.000585	65	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677615 - 3550B

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Pyrene	0.097	0.00067	mg/Kg	0.163	<0.000643	59.5	30-130			
Chrysene	0.0953	0.00067	"	0.163	<0.000624	58.4	30-130			
Dibenz(a,h)anthracene	0.0883	0.00067	"	0.163	<0.000614	54.1	30-130			
Fluoranthene	0.0968	0.00067	"	0.163	<0.000394	59.3	30-130			
Fluorene	0.0924	0.00067	"	0.163	<0.000286	56.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0938	0.00067	"	0.163	<0.000627	57.5	30-130			
Naphthalene	0.0821	0.00201	"	0.163	<0.00145	50.3	30-130			
Benzo(a)pyrene	0.0977	0.00067	"	0.163	<0.000468	59.9	30-130			
Surrogate: 2-Fluorobiphenyl	43.1		"	0.327	163	43.1	33-115			
Surrogate: 4-Terphenyl-d14	51		"	0.327	183	51	33-122			
Surrogate: Nitrobenzene-d5	43.1		"	0.327	167	43.1	29-110			

LCS (LCS-L677615)		Prepared: 04/21/2023 Analyzed: 04/24/2023								
Benzo(a)pyrene	0.128	0.00067	mg/Kg	0.167		76.6	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Fluorene	0.117	0.00067	"	0.167		70	30-130			
Fluoranthene	0.127	0.00067	"	0.167		76	30-130			
Dibenz(a,h)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Chrysene	0.118	0.00067	"	0.167		70.6	30-130			
Pyrene	0.125	0.00067	"	0.167		74.8	30-130			
Benzo(b)fluoranthene	0.136	0.00067	"	0.167		81.4	30-130			
Benzo(a)anthracene	0.136	0.00067	"	0.167		81.4	30-130			
Acenaphthene	0.11	0.00067	"	0.167		65.8	30-130			
2-Methylnaphthalene	0.108	0.00201	"	0.167		64.6	30-130			
1-Methylnaphthalene	0.107	0.00201	"	0.167		64	30-130			
Indeno(1,2,3-cd)pyrene	0.127	0.00067	"	0.167		76	30-130			
Naphthalene	0.105	0.00201	"	0.167		62.8	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677615 - 3550B

LCS (LCS-L677615)

Prepared: 04/21/2023 Analyzed: 04/24/2023

Benzo(k)fluoranthene	0.124	0.00067	mg/Kg	0.167		74.2	30-130			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333	66.6		33-122			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333	56.4		33-115			
Surrogate: Nitrobenzene-d5	58.8		"	0.333	58.8		29-110			

LRB (LRB-L677615)

Prepared: 04/21/2023 Analyzed: 04/24/2023

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: 2-Fluorobiphenyl	55.2		"	0.333	55.2		33-115			
Surrogate: Nitrobenzene-d5	55.5		"	0.333	55.5		29-110			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333	63.9		33-122			

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: 1
Project: Green

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 L677991 -										
DUP (L 98743-DUP)	Source: Y304342-16				Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	ND	0.519	mg/Kg		<0.519	-		0	20	
MS (L 98743-MS)	Source: Y304342-16				Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	34.9	2.51	mg/Kg	40.1	<1.22	87	75-125			
LCS (LCS)					Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	6.83	0.5	mg/Kg	8		85	75-125			
LRB (LRB)					Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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: 1
Project: Green

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
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Batch L677990 -

DUP (L 98728-DUP)		Source: Y304342-01			Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	ND	0.512	mg/Kg		<0.512		-	0	20	
MS (L 98728-MS)		Source: Y304342-01			Prepared: Analyzed: 04/24/2023					
Chromium, Hexavalent	30.4	2.5	mg/Kg	38.7	<1.22	79	75-125			

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: 1
Project: Green

Notes and Definitions

U Sample is Non-Detect.

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 Estimated Value. Analyte below reported quantitation 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.



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.



May 15, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green 1

Project Number - [none]

Attached are your analytical results for Green 1 received by Origins Laboratory, Inc. May 03, 2023. This project is associated with Origins project number Y305111-01.

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: Green 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Floor 17	Y305111-01	Soil	May 3, 2023 11:10	05/03/2023 16:20
Green Floor 18	Y305111-02	Soil	May 3, 2023 11:30	05/03/2023 16:20
Green Floor 19	Y305111-03	Soil	May 3, 2023 11:55	05/03/2023 16:20
Green Floor 20	Y305111-04	Soil	May 3, 2023 12:20	05/03/2023 16:20

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Dean Wagoner
Project Number: [none]
Project: Green 1

ORIGINS

LABORATORY, INC

www.originslaboratory.com

4305111

page | of |

Client: Verdell Resources

Project Manager: Dean Wagoner

Address: 1125 17th Street Suite 550

Project Name: Green 1

Denver Co 80204

Project Number: _____

Telephone Number: 720 845 6900

Samples Collected By: Dean Wagoner

Email Address: MCugnetti@Verdell

dwagoner@verdellresources.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis				Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other				
Green floor 17	5-3-23	11:10am	3												1
Green floor 18	5-3-23	11:30am	3						X						2
Green floor 19	5-3-23	11:55am	3						X						3
Green floor 20	5-3-23	11:30pm	3						X						4
															5
															6
															7
															8
															9
															10

Relinquished By: <u>Dean Wagoner</u>	Date: <u>5-3-23</u>	Time: <u>11:20</u>	Received By: <u>EW</u>	Date: <u>5/3/23</u>	Time: <u>11:20</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
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Temp Received- 10

Date Results Needed

Jeff Pelligrini

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 43 05111

Client: Verdad

Client Project ID: Green 1

Checklist Completed by: EHS

Shipped Via: HO

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

Date/time completed: 5/3/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 10 °C 1 °C 1 °C (Describe) °C

Thermometer ID: Y003

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"/>		SD
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.

EHS
Reviewed by (Project Manager)

5/3/23
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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: Green 1

Green Floor 17
5/3/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0985	mg/L	1	B3E0405	05/04/2023	05/05/2023	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.2 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/03/2023	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	109 %	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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 17
5/3/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.4 %	70-130	B3E03 35	05/03/2023	05/03/2023
Surrogate: 4-Bromofluorobenzene	95.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.540	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.11	0.823	"	"	"	"	"
Sodium	1.92	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 17
5/3/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-01 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	105 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	98.1 %	70-130	"	"	"
Surrogate: Terphenyl-d14	96.3 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.10	pH Units	1	B3E0410	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	2.12	SAR	1	B3E0407	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.395	0.00500 mmhos/cm	1	B3E0410	05/04/2023	05/05/2023
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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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 17
5/3/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.78	0.0928	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	18.9	9.28	"	"	"	"	"	
Cadmium	ND	0.0928	"	"	"	"	"	U
Copper	ND	9.28	"	"	"	"	"	U
Lead	ND	9.28	"	"	"	"	"	U
Nickel	ND	9.28	"	"	"	"	"	U
Selenium	ND	0.0928	"	"	"	"	"	U
Silver	ND	0.0928	"	"	"	"	"	U
Zinc	ND	92.8	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.251	0.515	mg/Kg	1	L681067	05/03/2023	05/10/2023
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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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 18
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0988	mg/L	1	B3E0405	05/04/2023	05/05/2023	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.5 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/03/2023	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	111 %	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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 18
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.6 %	70-130	B3E03 35	05/03/2023	05/03/2023
Surrogate: 4-Bromofluorobenzene	98.5 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	0.982	0.823	"	"	"	"	"
Sodium	2.18	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 18
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	106 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	101 %	70-130	"	"	"
Surrogate: Terphenyl-d14	89.1 %	70-130	"	"	"

pH in Soil by 9045D

pH	7.89	pH Units	1	B3E0410	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	2.54	SAR	1	B3E0407	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.425	0.00500 mmhos/cm	1	B3E0410	05/04/2023	05/05/2023
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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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 18
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.09	0.0886	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	11.5	8.86	"	"	"	"	"	
Cadmium	ND	0.0886	"	"	"	"	"	U
Copper	ND	8.86	"	"	"	"	"	U
Lead	ND	8.86	"	"	"	"	"	U
Nickel	ND	8.86	"	"	"	"	"	U
Selenium	ND	0.0886	"	"	"	"	"	U
Silver	ND	0.0886	"	"	"	"	"	U
Zinc	ND	88.6	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.513	mg/Kg	1	L681067	05/03/2023	05/10/2023
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 19
5/3/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3E0405	05/04/2023	05/05/2023	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.2 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/03/2023	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	114 %	70-130	"	"	"	"	"	"
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 19
5/3/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.8 %	70-130	B3E03 35	05/03/2023	05/03/2023
Surrogate: 4-Bromofluorobenzene	95.1 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.541	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.09	0.823	"	"	"	"	"
Sodium	2.03	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 19
5/3/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-03 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	110 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	100 %	70-130	"	"	"
Surrogate: Terphenyl-d14	98.7 %	70-130	"	"	"

pH in Soil by 9045D

pH	7.84	pH Units	1	B3E0410	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	2.24	SAR	1	B3E0407	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.430	0.00500 mmhos/cm	1	B3E0410	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 19
5/3/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.18	0.0922	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	20.6	9.22	"	"	"	"	"	
Cadmium	ND	0.0922	"	"	"	"	"	U
Copper	ND	9.22	"	"	"	"	"	U
Lead	ND	9.22	"	"	"	"	"	U
Nickel	ND	9.22	"	"	"	"	"	U
Selenium	ND	0.0922	"	"	"	"	"	U
Silver	ND	0.0922	"	"	"	"	"	U
Zinc	ND	92.2	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681067	05/03/2023	05/10/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 20
5/3/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0996	mg/L	1	B3E0405	05/04/2023	05/05/2023	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.1 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	114 %	70-130	"	"	"	"	"	"
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 20
5/3/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	93.0 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	98.3 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.619	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.26	0.823	"	"	"	"	"
Sodium	2.09	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green Floor 20
5/3/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-04 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	112 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	102 %	70-130	"	"	"
Surrogate: Terphenyl-d14	93.7 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.01	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	2.16	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.439	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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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: Green 1

Green Floor 20
5/3/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305111-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.15	0.0898	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	16.1	8.98	"	"	"	"	"	
Cadmium	ND	0.0898	"	"	"	"	"	U
Copper	ND	8.98	"	"	"	"	"	U
Lead	ND	8.98	"	"	"	"	"	U
Nickel	ND	8.98	"	"	"	"	"	U
Selenium	ND	0.0898	"	"	"	"	"	U
Silver	ND	0.0898	"	"	"	"	"	U
Zinc	ND	89.8	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.513	mg/Kg	1	L681067	05/03/2023	05/10/2023
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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: Green 1

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 B3E0333 - EPA 3550B										
Blank (B3E0333-BLK1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	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: Green 1

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 B3E0333 - EPA 3550B

LCS (B3E0333-BS1)

Prepared: 05/03/2023 Analyzed: 05/03/2023

Diesel (C10-C28)	944	50.0	mg/kg	1000		94.4	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	64		"	49.8		129	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: Green 1

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 B3E0333 - EPA 3550B

Matrix Spike (B3E0333-MS1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	820	50.0	mg/kg	1000	ND	82.0	70-130			
Residual Range Organics (C28-C40)	970	200	"	1000	ND	97.0	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.5	50-150			

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0333 - EPA 3550B

Matrix Spike Dup (B3E0333-MSD1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	850	50.0	mg/kg	1000	ND	85.0	70-130	3.60	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	5.48	35	
Surrogate: o-Terphenyl	52		"	49.8		105	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: Green 1

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 B3E0335 - EPA 5030 (soil)										
Blank (B3E0335-BLK1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
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		94.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)

LCS (B3E0335-BS1)

Prepared: 05/03/2023 Analyzed: 05/03/2023

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.111	0.00200	"	0.100		111	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.114	0.00200	"	0.100		114	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.225	0.00400	"	0.200		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	87.8		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	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: Green 1

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 B3E0335 - EPA 5030 (soil)										
Matrix Spike (B3E0335-MS1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	0.0684	0.00200	mg/kg	0.100	ND	68.4	70-130			QM-07
1,3,5-Trimethylbenzene	0.0698	0.00200	"	0.100	ND	69.8	70-130			QM-07
Benzene	0.0907	0.00200	"	0.100	ND	90.7	70-130			
Ethylbenzene	0.0745	0.00200	"	0.100	ND	74.5	70-130			
Naphthalene	0.0822	0.00380	"	0.100	ND	82.2	70-130			
Toluene	0.0894	0.00200	"	0.100	ND	89.4	70-130			
o-Xylene	0.0736	0.00200	"	0.100	ND	73.6	70-130			
m,p-Xylene	0.151	0.00400	"	0.200	ND	75.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)										
Matrix Spike Dup (B3E0335-MSD1)			Source: Y305109-01		Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	0.0600	0.00200	mg/kg	0.100	ND	60.0	70-130	13.2	20	QM-07
1,3,5-Trimethylbenzene	0.0609	0.00200	"	0.100	ND	60.9	70-130	13.6	20	QM-07
Benzene	0.0875	0.00200	"	0.100	ND	87.5	70-130	3.66	20	
Ethylbenzene	0.0665	0.00200	"	0.100	ND	66.5	70-130	11.3	20	QM-07
Naphthalene	0.0701	0.00380	"	0.100	ND	70.1	70-130	15.8	20	
Toluene	0.0839	0.00200	"	0.100	ND	83.9	70-130	6.37	20	
o-Xylene	0.0660	0.00200	"	0.100	ND	66.0	70-130	11.0	20	QM-07
m,p-Xylene	0.134	0.00400	"	0.200	ND	67.1	70-130	11.9	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.9	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0413 - EPA 3050B

Blank (B3E0413-BLK1)

Prepared: 05/04/2023 Analyzed: 05/08/2023

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.0100	"							U
Nickel	ND	0.0100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

LCS (B3E0413-BS1)

Prepared: 05/04/2023 Analyzed: 05/08/2023

Arsenic	0.0500	0.000100	mg/kg	0.0500		100	80-120
Barium	5.42	0.0100	"	5.00		108	80-120
Cadmium	0.0538	0.000100	"	0.0500		108	80-120
Copper	0.521	0.0100	"	0.500		104	80-120
Lead	0.0513	0.0100	"	0.0500		103	80-120
Nickel	0.0520	0.0100	"	0.0500		104	80-120
Selenium	0.0545	0.000100	"	0.0500		109	80-120
Silver	0.0570	0.000100	"	0.0500		114	80-120
Zinc	0.492	0.100	"	0.500		98.3	80-120

Matrix Spike (B3E0413-MS1)

Source: Y305102-01

Prepared: 05/04/2023 Analyzed: 05/08/2023

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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
Batch B3E0413 - EPA 3050B										
Matrix Spike (B3E0413-MS1)		Source: Y305102-01			Prepared: 05/04/2023 Analyzed: 05/08/2023					
Arsenic	8.89	0.0919	mg/kg	4.59	7.03	40.6	75-125			QM-07
Barium	665	9.19	"	459	293	80.9	75-125			
Cadmium	4.89	0.0919	"	4.59	0.386	98.1	75-125			
Copper	58.4	9.19	"	45.9	16.9	90.2	75-125			
Lead	18.8	9.19	"	4.59	18.5	5.39	75-125			QM-07
Nickel	19.8	9.19	"	4.59	28.5	NR	75-125			QM-07
Selenium	4.71	0.0919	"	4.59	0.248	97.2	75-125			
Silver	4.92	0.0919	"	4.59	0.0280	106	75-125			
Zinc	86.3	91.9	"	45.9	48.9	81.4	75-125			U
Matrix Spike Dup (B3E0413-MSD1)		Source: Y305102-01			Prepared: 05/04/2023 Analyzed: 05/08/2023					
Arsenic	8.30	0.0861	mg/kg	4.31	7.03	29.6	75-125	6.84	20	QM-07
Barium	558	8.61	"	431	293	61.5	75-125	17.5	20	QM-07
Cadmium	4.54	0.0861	"	4.31	0.386	96.5	75-125	7.41	20	
Copper	55.9	8.61	"	43.1	16.9	90.6	75-125	4.27	20	
Lead	17.7	8.61	"	4.31	18.5	NR	75-125	5.86	20	QM-07
Nickel	20.5	8.61	"	4.31	28.5	NR	75-125	3.74	20	QM-07
Selenium	4.67	0.0861	"	4.31	0.248	103	75-125	0.991	20	
Silver	4.61	0.0861	"	4.31	0.0280	107	75-125	6.34	20	
Zinc	82.7	86.1	"	43.1	48.9	78.6	75-125	4.20	20	U

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Blank (B3E0332-BLK1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	ND	0.006	mg/kg							U
2-Methylnaphthalene	ND	0.019	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.011	"							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	0.020	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Nitrobenzene-d5	210		ug/kg	200		106	70-130			
Surrogate: 2-Fluorobiphenyl	210		"	200		103	70-130			
Surrogate: Terphenyl-d14	190		"	200		95.6	70-130			

LCS (B3E0332-BS1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	0.196	0.006	mg/kg	0.200		98.0	70-130			
2-Methylnaphthalene	0.196	0.019	"	0.200		98.0	70-130			
Acenaphthene	0.186	0.020	"	0.200		92.8	70-130			
Anthracene	0.209	0.020	"	0.200		104	70-130			
Benzo (a) anthracene	0.197	0.011	"	0.200		98.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

LCS (B3E0332-BS1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

Benzo (a) pyrene	0.193	0.020	mg/kg	0.200		96.5	70-130
Benzo (b) fluoranthene	0.194	0.020	"	0.200		96.8	70-130
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		98.8	70-130
Benzo (k) fluoranthene	0.176	0.020	"	0.200		88.0	70-130
Chrysene	0.182	0.020	"	0.200		90.8	70-130
Dibenz (a,h) anthracene	0.183	0.020	"	0.200		91.7	70-130
Fluoranthene	0.196	0.020	"	0.200		97.8	70-130
Fluorene	0.200	0.020	"	0.200		99.8	70-130
Indeno (1,2,3-cd) pyrene	0.198	0.020	"	0.200		99.2	70-130
Naphthalene	0.196	0.020	"	0.200		97.8	70-130
Phenanthrene	0.189	0.020	"	0.200		94.6	70-130
Pyrene	0.189	0.020	"	0.200		94.4	70-130
Surrogate: Nitrobenzene-d5	210		ug/kg	200		104	70-130
Surrogate: 2-Fluorobiphenyl	200		"	200		101	70-130
Surrogate: Terphenyl-dl4	190		"	200		93.9	70-130

Matrix Spike (B3E0332-MS1)

Source: Y305102-01

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	0.198	0.006	mg/kg	0.200	ND	98.9	70-130
2-Methylnaphthalene	0.199	0.019	"	0.200	ND	99.7	70-130
Acenaphthene	0.195	0.020	"	0.200	ND	97.4	70-130
Anthracene	0.202	0.020	"	0.200	0.002	100	70-130
Benzo (a) anthracene	0.205	0.011	"	0.200	0.001	102	70-130
Benzo (a) pyrene	0.212	0.020	"	0.200	0.002	105	70-130
Benzo (b) fluoranthene	0.197	0.020	"	0.200	ND	98.7	70-130
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.003	102	70-130
Benzo (k) fluoranthene	0.183	0.020	"	0.200	ND	91.7	70-130
Chrysene	0.220	0.020	"	0.200	ND	110	70-130

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Matrix Spike (B3E0332-MS1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
Dibenz (a,h) anthracene	0.193	0.020	mg/kg	0.200	ND	96.3	70-130			
Fluoranthene	0.198	0.020	"	0.200	ND	99.2	70-130			
Fluorene	0.203	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200	ND	104	70-130			
Naphthalene	0.198	0.020	"	0.200	ND	98.8	70-130			
Phenanthrene	0.188	0.020	"	0.200	ND	94.1	70-130			
Pyrene	0.199	0.020	"	0.200	0.001	99.2	70-130			
Surrogate: Nitrobenzene-d5	210		ug/kg	200		105	70-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		100	70-130			
Surrogate: Terphenyl-dl4	180		"	200		91.9	70-130			

Matrix Spike Dup (B3E0332-MSD1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
1-Methylnaphthalene	0.205	0.006	mg/kg	0.200	ND	102	70-130	3.43	20	
2-Methylnaphthalene	0.205	0.019	"	0.200	ND	103	70-130	2.89	20	
Acenaphthene	0.195	0.020	"	0.200	ND	97.4	70-130	0.0317	20	
Anthracene	0.210	0.020	"	0.200	0.002	104	70-130	3.66	20	
Benzo (a) anthracene	0.205	0.011	"	0.200	0.001	102	70-130	0.0268	20	
Benzo (a) pyrene	0.213	0.020	"	0.200	0.002	106	70-130	0.433	20	
Benzo (b) fluoranthene	0.194	0.020	"	0.200	ND	96.8	70-130	1.92	20	
Benzo (g,h,i) perylene	0.197	0.020	"	0.200	0.003	97.1	70-130	4.89	20	
Benzo (k) fluoranthene	0.182	0.020	"	0.200	ND	90.9	70-130	0.817	20	
Chrysene	0.209	0.020	"	0.200	ND	104	70-130	5.15	20	
Dibenz (a,h) anthracene	0.175	0.020	"	0.200	ND	87.3	70-130	9.75	20	
Fluoranthene	0.200	0.020	"	0.200	ND	100	70-130	0.957	20	
Fluorene	0.208	0.020	"	0.200	ND	104	70-130	2.31	20	
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	ND	99.8	70-130	3.74	20	
Naphthalene	0.205	0.020	"	0.200	ND	102	70-130	3.61	20	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Matrix Spike Dup (B3E0332-MSD1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
Phenanthrene	0.198	0.020	mg/kg	0.200	ND	98.8	70-130	4.83	20	
Pyrene	0.197	0.020	"	0.200	0.001	98.1	70-130	1.11	20	
Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	70-130			
Surrogate: 2-Fluorobiphenyl	210		"	200		103	70-130			
Surrogate: Terphenyl-dl4	180		"	200		87.8	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: Green 1

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 B3E0405 - DTPA Sorbitol Preparation

Blank (B3E0405-BLK1)

Prepared: 05/04/2023 Analyzed: 05/05/2023

Boron	ND	0.100	mg/L							U
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Duplicate (B3E0405-DUP1)

Source: Y305062-13

Prepared: 05/04/2023 Analyzed: 05/05/2023

Boron	0.272	0.0987	mg/L		0.257			5.85	50	
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Batch B3E0407 - Saturated Paste Metals

Blank (B3E0407-BLK1)

Prepared: 05/04/2023 Analyzed: 05/05/2023

SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

Duplicate (B3E0407-DUP1)

Source: Y305062-13

Prepared: 05/04/2023 Analyzed: 05/05/2023

SAR	0.00		SAR	0.642				200	200	U
Calcium PPM	252	10.0	mg/L	248				1.55	50	
Magnesium PPM	32.6	10.0	"	26.5				20.7	50	
Sodium PPM	40.0	10.0	"	39.8				0.351	50	

Batch B3E0408 - Saturated Paste Metals

Blank (B3E0408-BLK1)

Prepared: 05/04/2023 Analyzed: 05/05/2023

SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0408 - Saturated Paste Metals

Duplicate (B3E0408-DUP1)		Source: Y305093-01			Prepared: 05/04/2023 Analyzed: 05/05/2023					
SAR	0.00		SAR		0.844			200	200	U
Calcium PPM	27.6	10.0	mg/L		20.9			27.5	50	
Magnesium PPM	5.49	10.0	"		4.68			15.9	50	U
Sodium PPM	16.6	10.0	"		16.4			1.57	50	

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0410 - Saturated Paste pH/EC										
Blank (B3E0410-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
pH	0.00		pH Units							U
Duplicate (B3E0410-DUP1)					Source: Y305062-13		Prepared: 05/04/2023 Analyzed: 05/05/2023			
Specific Conductance (EC)	2.07	0.00500	mmhos/cm		1.90			8.54	25	
pH	8.54		pH Units		8.94			4.58	25	
Batch B3E0411 - Saturated Paste pH/EC										
Blank (B3E0411-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
pH	0.00		pH Units							U
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B3E0411-DUP1)					Source: Y305093-01		Prepared: 05/04/2023 Analyzed: 05/05/2023			
pH	8.60		pH Units		8.63			0.348	25	
Specific Conductance (EC)	0.602	0.00500	mmhos/cm		0.549			9.33	25	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 L681067 -										
DUP (L 90956-DUP)		Source: Y305111-03			Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	ND	0.515	mg/Kg		<0.515		-	0	20	
MS (L 90956-MS)		Source: Y305111-03			Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	36.1	2.54	mg/Kg	40.6	<1.24	89	75-125			
LCS (LCS)					Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	7.31	0.5	mg/Kg	8		91	75-125			
LRB (LRB)					Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.



Jen Pellegrini For Noelle Doyle Mathis, President

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April 25, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green

Project Number - 1

Attached are your analytical results for Green received by Origins Laboratory, Inc. April 18, 2023. This project is associated with Origins project number Y304412-01.

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: 1

Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green South 7	Y304412-01	Soil	April 17, 2023 13:10	04/18/2023 16:52
Green South 8	Y304412-02	Soil	April 17, 2023 13:20	04/18/2023 16:52
Green West 1	Y304412-03	Soil	April 17, 2023 14:30	04/18/2023 16:52
Green West 2	Y304412-04	Soil	April 17, 2023 14:35	04/18/2023 16:52
Green West 3	Y304412-05	Soil	April 17, 2023 14:40	04/18/2023 16:52
Green West 4	Y304412-06	Soil	April 17, 2023 14:50	04/18/2023 16:52
Green West 5	Y304412-07	Soil	April 17, 2023 14:55	04/18/2023 16:52
Green West 6	Y304412-08	Soil	April 18, 2023 7:30	04/18/2023 16:52
Green West 7	Y304412-09	Soil	April 18, 2023 8:30	04/18/2023 16:52

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: 1
Project: Green

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

ORIGINS
LABORATORY, INC

4304412

www.originslaboratory.com

page 1 of 1

Client: Verdad Resources
Address: 1125 17th Street
Suite 550 Denver Co 80202
Telephone Number: 970 845 6900
Email Address: mcguiretti@verdadresources.com
Project Manager: Dean Wagoner
Project Name: Green
Project Number: 1
Samples Collected By: Dean Wagoner
d.wagoner@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 Canister #	Other	Full 915			
Green South 17	4-17-23	1:10pm	3												
Green South 8	4-17-23	1:20pm	3												
Green West 1	4-17-23	2:30pm	3												
Green West 2	4-17-23	2:35pm	3												
Green West 3	4-17-23	2:40pm	3												
Green West 4	4-17-23	2:50pm	3												
Green West 5	4-17-23	2:55pm	3												
Green West 6	4-18-23	7:30am	3												
Green West 7	4-18-23	8:30am	3												
Relinquished By: <u>Dean Wagoner</u>	Date: <u>4-18-23</u>	Time: <u>1052</u>	Received By: <u>CHS</u>	Date: <u>4/18/23</u>	Time: <u>1652</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>									
Relinquished By:	Date:	Time:	Received By:	Date:	Time:										

Temp Received: 10

Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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: 1
Project: Green

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4304412

Client: Verdad

Client Project ID: Green

Checklist Completed by: EHS/HW

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

Date/time completed: 4/18/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 10 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: T004

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 4/18/23

Origins Laboratory, Inc.

[Signature]

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: 1
Project: Green

Green South 7
4/17/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.947	0.0982	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	86.4 %	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: 1
Project: Green

Green South 7
4/17/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	93.5 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	99.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.60	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	3.39	0.823	"	"	"	"	"
Sodium	4.71	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 7
4/17/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.3 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.98	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.03	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.48	0.0882	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green South 7
4/17/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-01 (Soil)

Table 915 metals by EPA 6020B

Barium	110	8.82	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.137	0.0882	"	"	"	"	"
Copper	ND	8.82	"	"	"	"	"
Lead	ND	8.82	"	"	"	"	"
Nickel	9.34	8.82	"	"	"	"	"
Selenium	ND	0.0882	"	"	"	"	"
Silver	ND	0.0882	"	"	"	"	"
Zinc	ND	88.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green South 8
4/17/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.997	0.100	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.7 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	92.6 %	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: 1
Project: Green

Green South 8
4/17/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.9 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.893	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	3.15	0.823	"	"	"	"	"
Sodium	13.3	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green South 8
4/17/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-02 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	61.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	66.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.49	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	9.38	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.89	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.67	0.0897	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green South 8
4/17/2023 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-02 (Soil)

Table 915 metals by EPA 6020B

Barium	536	8.97	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.147	0.0897	"	"	"	"	"
Copper	ND	8.97	"	"	"	"	"
Lead	ND	8.97	"	"	"	"	"
Nickel	10.5	8.97	"	"	"	"	"
Selenium	0.0923	0.0897	"	"	"	"	"
Silver	ND	0.0897	"	"	"	"	"
Zinc	ND	89.7	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 1
4/17/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.161	0.0995	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	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	B3D1833	04/18/2023	04/19/2023	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	98.0 %	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: 1
Project: Green

Green West 1
4/17/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.2 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	95.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.878	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.90	0.823	"	"	"	"	"
Sodium	2.59	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

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: 1
Project: Green

Green West 1
4/17/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.35	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.20	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.604	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.78	0.0894	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 1
4/17/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-03 (Soil)

Table 915 metals by EPA 6020B

Barium	96.9		8.94	mg/kg	10	B3D1902	04/19/2023	04/20/2023	
Cadmium	ND		0.0894	"	"	"	"	"	
Copper	ND		8.94	"	"	"	"	"	
Lead	ND		8.94	"	"	"	"	"	
Nickel	ND		8.94	"	"	"	"	"	
Selenium	ND		0.0894	"	"	"	"	"	
Silver	ND		0.0894	"	"	"	"	"	
Zinc	ND		89.4	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.248	0.509	mg/Kg	1	L677623	04/17/2023	04/21/2023	
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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: 1
Project: Green

Green West 2
4/17/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.168	0.100	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	88.8 %	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: 1
Project: Green

Green West 2
4/17/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	93.2 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	97.5 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.925	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.58	0.823	"	"	"	"	"
Sodium	2.80	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 2

4/17/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y304412-04 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	59.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.50	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.594	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.08	0.0866	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 2
4/17/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-04 (Soil)

Table 915 metals by EPA 6020B

Barium	23.2	8.66	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	ND	0.0866	"	"	"	"	"
Copper	ND	8.66	"	"	"	"	"
Lead	ND	8.66	"	"	"	"	"
Nickel	ND	8.66	"	"	"	"	"
Selenium	ND	0.0866	"	"	"	"	"
Silver	ND	0.0866	"	"	"	"	"
Zinc	ND	86.6	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 3
4/17/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.288	0.0989	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	92.4 %	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: 1
Project: Green

Green West 3

4/17/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304412-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	93.2 %		70-130			B3D18 33	04/18/2023	04/19/2023	
Surrogate: 4-Bromofluorobenzene	98.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.505		0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023	
Magnesium	1.20		0.823	"	"	"	"	"	
Sodium	3.52		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 3
4/17/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-05 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.43	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.82	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.591	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.01	0.0924	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 3
4/17/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-05 (Soil)

Table 915 metals by EPA 6020B

Barium	31.0		9.24	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	ND		0.0924	"	"	"	"	"
Copper	ND		9.24	"	"	"	"	"
Lead	10.3		9.24	"	"	"	"	"
Nickel	10.9		9.24	"	"	"	"	"
Selenium	ND		0.0924	"	"	"	"	"
Silver	ND		0.0924	"	"	"	"	"
Zinc	ND		92.4	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 4
4/17/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.148	0.101	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	113 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	89.6 %	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: 1
Project: Green

Green West 4
4/17/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.3 %		70-130			B3D18 33	04/18/2023	04/19/2023	
Surrogate: 4-Bromofluorobenzene	97.7 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.32		0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023	
Magnesium	3.00		0.823	"	"	"	"	"	
Sodium	5.20		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 4
4/17/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-06 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	60.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	3.54	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.04	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.54	0.0955	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 4
4/17/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-06 (Soil)

Table 915 metals by EPA 6020B

Barium	20.1	9.55	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	ND	0.0955	"	"	"	"	"
Copper	ND	9.55	"	"	"	"	"
Lead	ND	9.55	"	"	"	"	"
Nickel	ND	9.55	"	"	"	"	"
Selenium	ND	0.0955	"	"	"	"	"
Silver	ND	0.0955	"	"	"	"	"
Zinc	ND	95.5	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 5
4/17/2023 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.92	0.0987	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.1 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	90.8 %	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: 1
Project: Green

Green West 5
4/17/2023 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.3 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	99.7 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.774	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	5.26	0.823	"	"	"	"	"
Sodium	28.8	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 5
4/17/2023 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-07 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.9 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.55	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	16.6	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.73	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.67	0.0931	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 5
4/17/2023 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-07 (Soil)

Table 915 metals by EPA 6020B

Barium	122	9.31	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.151	0.0931	"	"	"	"	"
Copper	ND	9.31	"	"	"	"	"
Lead	ND	9.31	"	"	"	"	"
Nickel	10.3	9.31	"	"	"	"	"
Selenium	0.111	0.0931	"	"	"	"	"
Silver	ND	0.0931	"	"	"	"	"
Zinc	ND	93.1	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.513	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 6
4/18/2023 7:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.135	0.0997	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1833	04/18/2023	04/19/2023	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	90.8 %	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: 1
Project: Green

Green West 6

4/18/2023 7:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304412-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.5 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.811	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.12	0.823	"	"	"	"	"
Sodium	2.55	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 6
4/18/2023 7:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-08 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.25	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.59	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.515	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.34	0.0898	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 6

4/18/2023 7:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304412-08 (Soil)

Table 915 metals by EPA 6020B

Barium	19.5	8.98	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	ND	0.0898	"	"	"	"	"
Copper	ND	8.98	"	"	"	"	"
Lead	ND	8.98	"	"	"	"	"
Nickel	ND	8.98	"	"	"	"	"
Selenium	ND	0.0898	"	"	"	"	"
Silver	ND	0.0898	"	"	"	"	"
Zinc	ND	89.8	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

Green West 7
4/18/2023 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.185	0.0980	mg/L	1	B3D1912	04/19/2023	04/20/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1835	04/18/2023	04/19/2023	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	B3D1833	04/18/2023	04/19/2023	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	108 %	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: 1
Project: Green

Green West 7

4/18/2023 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304412-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %	70-130	B3D18 33	04/18/2023	04/19/2023
Surrogate: 4-Bromofluorobenzene	90.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.831	0.499	meq/L	10	[CALC]	04/19/2023	04/21/2023
Magnesium	1.24	0.823	"	"	"	"	"
Sodium	2.70	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677456	04/21/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green West 7
4/18/2023 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304412-09 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677456	04/21/2023	04/21/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	55.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	42 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.29	pH Units	1	B3D1918	04/19/2023	04/20/2023
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SAR by 20B Saturated Paste

SAR	2.66	SAR	1	B3D1910	04/19/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.534	0.00500	mmhos/cm	1	B3D1918	04/19/2023	04/20/2023
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Table 915 metals by EPA 6020B

Arsenic	2.47	0.0890	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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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: 1
Project: Green

Green West 7
4/18/2023 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304412-09 (Soil)

Table 915 metals by EPA 6020B

Barium	26.9	8.90	mg/kg	10	B3D1902	04/19/2023	04/20/2023
Cadmium	0.0988	0.0890	"	"	"	"	"
Copper	ND	8.90	"	"	"	"	"
Lead	ND	8.90	"	"	"	"	"
Nickel	ND	8.90	"	"	"	"	"
Selenium	ND	0.178	"	20	"	"	04/20/2023
Silver	ND	0.0890	"	10	"	"	04/20/2023
Zinc	ND	89.0	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677623	04/17/2023	04/21/2023
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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: 1
Project: Green

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 B3D1833 - EPA 5030 (soil)										
Blank (B3D1833-BLK1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
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	0.091		"	0.125		73.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1833 - EPA 5030 (soil)										
LCS (B3D1833-BS1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100		111	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.0981	0.00200	"	0.100		98.1	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.0963	0.00200	"	0.100		96.3	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.227	0.00400	"	0.200		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.088		"	0.125		70.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.6	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1833 - EPA 5030 (soil)										
Matrix Spike (B3D1833-MS1)		Source: Y304407-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Benzene	0.0960	0.00200	"	0.100	0.00194	94.0	70-130			
Ethylbenzene	0.0999	0.00200	"	0.100	ND	99.9	70-130			
Naphthalene	0.114	0.00380	"	0.100	0.00106	113	70-130			
Toluene	0.0917	0.00200	"	0.100	ND	91.7	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.216	0.00400	"	0.200	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.090		"	0.125		71.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.2	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1833 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1833-MSD1)		Source: Y304407-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130	3.37	20	
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130	3.55	20	
Benzene	0.100	0.00200	"	0.100	0.00194	98.5	70-130	4.60	20	
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	3.21	20	
Naphthalene	0.123	0.00380	"	0.100	0.00106	122	70-130	8.00	20	
Toluene	0.0968	0.00200	"	0.100	ND	96.8	70-130	5.35	20	
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	3.39	20	
m,p-Xylene	0.224	0.00400	"	0.200	ND	112	70-130	3.47	20	
Surrogate: 1,2-Dichloroethane-d4	0.093		"	0.125		74.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1835 - EPA 3550B										
Blank (B3D1835-BLK1)					Prepared: 04/18/2023 Analyzed: 04/19/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

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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 B3D1835 - EPA 3550B

LCS (B3D1835-BS1)

Prepared: 04/18/2023 Analyzed: 04/19/2023

Diesel (C10-C28)	963	50.0	mg/kg	1000		96.3	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	62		"	49.8		124	50-150			

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Project: Green

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 B3D1835 - EPA 3550B

Matrix Spike (B3D1835-MS1)		Source: Y304407-01			Prepared: 04/18/2023 Analyzed: 04/19/2023					
Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	45		"	49.8		91.2	50-150			

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Project: Green

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 B3D1835 - EPA 3550B										
Matrix Spike Dup (B3D1835-MSD1)		Source: Y304407-01			Prepared: 04/18/2023 Analyzed: 04/19/2023					
Diesel (C10-C28)	912	50.0	mg/kg	1000	ND	91.2	70-130	5.49	35	
Residual Range Organics (C28-C40)	946	200	"	1000	ND	94.6	70-130	6.23	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control

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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 B3D1902 - EPA 3050B

Blank (B3D1902-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	ND	0.000100	mg/kg
Barium	ND	0.0100	"
Cadmium	ND	0.000100	"
Copper	ND	0.0100	"
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B3D1902-BS1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	0.0518	0.000100	mg/kg	0.0500	104	80-120
Barium	5.36	0.0100	"	5.00	107	80-120
Cadmium	0.0529	0.000100	"	0.0500	106	80-120
Copper	0.554	0.0100	"	0.500	111	80-120
Lead	0.0530	0.0100	"	0.0500	106	80-120
Nickel	0.0548	0.0100	"	0.0500	110	80-120
Selenium	0.0498	0.000100	"	0.0500	99.5	80-120
Silver	0.0430	0.000100	"	0.0500	85.9	80-120
Zinc	0.548	0.100	"	0.500	110	80-120

Matrix Spike (B3D1902-MS1)

Source: Y304392-01

Prepared: 04/19/2023 Analyzed: 04/20/2023

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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 B3D1902 - EPA 3050B

Matrix Spike (B3D1902-MS1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.72	0.0883	mg/kg	4.42	5.11	104	75-125			
Barium	830	8.83	"	442	206	141	75-125			QM-07
Cadmium	4.81	0.0883	"	4.42	0.267	103	75-125			
Copper	48.2	8.83	"	44.2	8.64	89.6	75-125			
Lead	13.9	8.83	"	4.42	10.2	84.8	75-125			
Nickel	13.7	8.83	"	4.42	9.78	88.8	75-125			
Selenium	4.38	0.0883	"	4.42	0.138	96.1	75-125			
Silver	3.67	0.0883	"	4.42	0.0479	81.9	75-125			
Zinc	83.9	88.3	"	44.2	46.0	86.0	75-125			
Matrix Spike Dup (B3D1902-MSD1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.66	0.0905	mg/kg	4.53	5.11	101	75-125	0.649	20	
Barium	750	9.05	"	453	206	120	75-125	10.1	20	
Cadmium	5.10	0.0905	"	4.53	0.267	107	75-125	5.93	20	
Copper	48.8	9.05	"	45.3	8.64	88.8	75-125	1.34	20	
Lead	15.0	9.05	"	4.53	10.2	107	75-125	7.52	20	
Nickel	18.8	9.05	"	4.53	9.78	199	75-125	31.2	20	QM-07, QR-DUP
Selenium	4.39	0.0905	"	4.53	0.138	94.1	75-125	0.272	20	
Silver	3.80	0.0905	"	4.53	0.0479	83.0	75-125	3.72	20	
Zinc	87.6	90.5	"	45.3	46.0	91.9	75-125	4.25	20	

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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 B3D1910 - Saturated Paste Metals

Blank (B3D1910-BLK1)

Prepared: 04/19/2023 Analyzed: 04/21/2023

Calcium PPM	ND	10.0	mg/L
SAR	0.00		SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B3D1910-DUP1)

Source: Y304315-01

Prepared: 04/19/2023 Analyzed: 04/21/2023

Calcium PPM	134	10.0	mg/L	139	3.54	50
SAR	0.00		SAR	0.404	200	200
Magnesium PPM	25.8	10.0	mg/L	27.6	6.72	50
Sodium PPM	18.7	10.0	"	19.9	6.20	50

Batch B3D1912 - DTPA Sorbitol Preparation

Blank (B3D1912-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Boron	ND	0.100	mg/L
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Duplicate (B3D1912-DUP1)

Source: Y304321-01

Prepared: 04/19/2023 Analyzed: 04/20/2023

Boron	0.328	0.0991	mg/L	0.344	4.88	50
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Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1918 - Saturated Paste pH/EC										
Blank (B3D1918-BLK1)					Prepared: 04/19/2023 Analyzed: 04/20/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3D1918-DUP1)					Source: Y304315-01 Prepared: 04/19/2023 Analyzed: 04/20/2023					
Specific Conductance (EC)	1.17	0.00500	mmhos/cm		1.18			1.11	25	
pH	7.61		pH Units		7.77			2.08	25	

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PAH by 8270D SIM - 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 L677456 - 3550B

MSD (L 99389-MSD-L677456)		Source: Y304412-02			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Chrysene	0.117	0.00067	mg/Kg	0.163	<0.000624	71.7	30-130	0.8	30	
Acenaphthene	0.111	0.00067	"	0.163	<0.000304	68	30-130	3.5	30	
Pyrene	0.123	0.00067	"	0.163	<0.000643	75.4	30-130	3.9	30	
Naphthalene	0.108	0.00201	"	0.163	<0.00145	66.2	30-130	6.2	30	
Indeno(1,2,3-cd)pyrene	0.0913	0.00067	"	0.163	<0.000627	56	30-130	4.8	30	
Fluorene	0.111	0.00067	"	0.163	<0.000286	68	30-130	3.5	30	
Fluoranthene	0.125	0.00067	"	0.163	<0.000394	76.6	30-130	4.6	30	
Dibenz(a,h)anthracene	0.101	0.00067	"	0.163	<0.000614	61.9	30-130	4.8	30	
2-Methylnaphthalene	0.12	0.00201	"	0.163	<0.00194	73.6	30-130	8	30	
1-Methylnaphthalene	0.113	0.00201	"	0.163	<0.00109	69.3	30-130	9.2	30	
Benzo(a)anthracene	0.123	0.00067	"	0.163	<0.000493	75.4	30-130	5.5	30	
Benzo(k)fluoranthene	0.119	0.00067	"	0.163	<0.000437	73	30-130	4.9	30	
Anthracene	0.115	0.00067	"	0.163	<0.000334	70.5	30-130	3.4	30	
Benzo(a)pyrene	0.127	0.00067	"	0.163	<0.000468	77.9	30-130	3.1	30	
Benzo(b)fluoranthene	0.109	0.00067	"	0.163	<0.000585	66.8	30-130	2.7	30	
Surrogate: Nitrobenzene-d5	50.1		"	0.327	181	50.1	29-110			
Surrogate: 2-Fluorobiphenyl	54.4		"	0.327	200	54.4	33-115			
Surrogate: 4-Terphenyl-d14	60.2		"	0.327	217	60.2	33-122			

MS (L 99389-MS-L677456)		Source: Y304412-02			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Dibenz(a,h)anthracene	0.106	0.00067	mg/Kg	0.167	<0.000614	63.4	30-130			
Benzo(k)fluoranthene	0.125	0.00067	"	0.167	<0.000437	74.8	30-130			
Naphthalene	0.115	0.00201	"	0.167	<0.00145	68.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0958	0.00067	"	0.167	<0.000627	57.3	30-130			
Fluoranthene	0.131	0.00067	"	0.167	<0.000394	78.4	30-130			
Pyrene	0.128	0.00067	"	0.167	<0.000643	76.6	30-130			
Chrysene	0.118	0.00067	"	0.167	<0.000624	70.6	30-130			

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PAH by 8270D SIM - 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 L677456 - 3550B

MS (L 99389-MS-L677456)		Source: Y304412-02			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Benzo(a)pyrene	0.131	0.00067	mg/Kg	0.167	<0.000468	78.4	30-130			
Benzo(a)anthracene	0.13	0.00067	"	0.167	<0.000493	77.8	30-130			
Anthracene	0.119	0.00067	"	0.167	<0.000334	71.2	30-130			
Acenaphthene	0.115	0.00067	"	0.167	<0.000304	68.8	30-130			
2-Methylnaphthalene	0.13	0.00201	"	0.167	<0.00194	77.8	30-130			
1-Methylnaphthalene	0.124	0.00201	"	0.167	<0.00109	74.2	30-130			
Benzo(b)fluoranthene	0.112	0.00067	"	0.167	<0.000585	67	30-130			
Fluorene	0.115	0.00067	"	0.167	<0.000286	68.8	30-130			
Surrogate: Nitrobenzene-d5	51.6		"	0.333	181	51.6	29-110			
Surrogate: 4-Terphenyl-d14	61.8		"	0.333	217	61.8	33-122			
Surrogate: 2-Fluorobiphenyl	58.5		"	0.333	200	58.5	33-115			

LCS (LCS-L677456)

Prepared: 04/21/2023 Analyzed: 04/21/2023

Pyrene	0.139	0.00067	mg/Kg	0.167		83.2	30-130			
Benzo(b)fluoranthene	0.122	0.00067	"	0.167		73	30-130			
Benzo(k)fluoranthene	0.131	0.00067	"	0.167		78.4	30-130			
Chrysene	0.13	0.00067	"	0.167		77.8	30-130			
Fluoranthene	0.14	0.00067	"	0.167		83.8	30-130			
Indeno(1,2,3-cd)pyrene	0.11	0.00067	"	0.167		65.8	30-130			
Benzo(a)pyrene	0.14	0.00067	"	0.167		83.8	30-130			
Dibenz(a,h)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Naphthalene	0.115	0.00201	"	0.167		68.8	30-130			
Anthracene	0.125	0.00067	"	0.167		74.8	30-130			
Acenaphthene	0.12	0.00067	"	0.167		71.8	30-130			
2-Methylnaphthalene	0.128	0.00201	"	0.167		76.6	30-130			
1-Methylnaphthalene	0.119	0.00201	"	0.167		71.2	30-130			
Fluorene	0.121	0.00067	"	0.167		72.4	30-130			

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Project: Green

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L677456 - 3550B										
LCS (LCS-L677456)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
Benzo(a)anthracene	0.138	0.00067	mg/Kg	0.167		82.6	30-130			
Surrogate: Nitrobenzene-d5	60		"	0.333	60		29-110			
Surrogate: 4-Terphenyl-d14	72.3		"	0.333	72.3		33-122			
Surrogate: 2-Fluorobiphenyl	67.5		"	0.333	67.5		33-115			
LRB (LRB-L677456)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
Naphthalene	ND	0.00201	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54.9		"	0.333	54.9		29-110			
Surrogate: 4-Terphenyl-d14	68.1		"	0.333	68.1		33-122			
Surrogate: 2-Fluorobiphenyl	62.1		"	0.333	62.1		33-115			

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 L677623 -										
DUP (L 99391-DUP)	Source: Y304412-04				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 99391-MS)	Source: Y304412-04				Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	36.2	2.5	mg/Kg	38.9	<1.22	93	75-125			
LCS (LCS)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	7.26	0.5	mg/Kg	8		91	75-125			
LRB (LRB)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Notes and Definitions

U Sample is Non-Detect.

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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May 15, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green 1

Project Number - [none]

Attached are your analytical results for Green 1 received by Origins Laboratory, Inc. May 03, 2023. This project is associated with Origins project number Y305112-01.

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: Green 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green North 1	Y305112-01	Soil	May 3, 2023 10:10	05/03/2023 16:20
Green North 2	Y305112-02	Soil	May 3, 2023 10:55	05/03/2023 16:20
Green North 3	Y305112-03	Soil	May 3, 2023 11:30	05/03/2023 16:20
Green North 4	Y305112-04	Soil	May 3, 2023 11:50	05/03/2023 16:20
Green North 5	Y305112-05	Soil	May 3, 2023 12:25	05/03/2023 16:20
Green North 6	Y305112-06	Soil	May 3, 2023 12:55	05/03/2023 16:20
Green North 7	Y305112-07	Soil	May 3, 2023 13:15	05/03/2023 16:20
Green North 8	Y305112-08	Soil	May 3, 2023 13:25	05/03/2023 16:20
Green North 9	Y305112-09	Soil	May 3, 2023 14:05	05/03/2023 16:20
Green North 10	Y305112-10	Soil	May 3, 2023 14:40	05/03/2023 16:20

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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: Green 1

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

ORIGINS
LABORATORY, INC

4305112

www.originslaboratory.com

page 1 of 1

Client: Verdad Resources
Address: 1125 17th Street Suite 550
Telephone Number: 720 845 6700
Email Address: mcg net@verdadrresources.com
Project Manager: Dean Wagoner
Project Name: Green 1
Project Number: 4305112
Samples Collected By: Dean Wagoner
dwagoner@verdadrresources.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	4305112	
Green North 1	5-3-23	10:10 am	3										1
Green North 2	5-3-23	10:55 am	3										2
Green North 3	5-3-23	11:30 am	3										3
Green North 4	5-3-23	11:50 am	3										4
Green North 5	5-3-23	12:25 pm	3										5
Green North 6	5-3-23	12:55 pm	3										6
Green North 7	5-3-23	1:15 pm	3										7
Green North 8	5-3-23	1:25 pm	3										8
Green North 9	5-3-23	2:05 pm	3										9
Green North 10	5-3-23	2:40 pm	3										10

Temp Received -

10

Date Results Needed

5/3/23

10:20

Turnaround Time:
Same Day ☐ 24 Hr ☒
48 Hr ☐ 72 Hr ☐
Standard ☐



Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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: Green 1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4305112

Client: Verdad

Client Project ID: Green 1

Checklist Completed by: EHS

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

Date/time completed: 5/3/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 10 °C / °C / °C

Thermometer ID: T003

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

EHS
Reviewed by (Project Manager)

5/3/23
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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: Green 1

Green North 1
5/3/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-01 (Soil)

Boron (DTPA Sorbitol)

Boron	2.57	0.0989	mg/L	1	B3E0405	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	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	B3E0335	05/03/2023	05/04/2023	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	117 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 1
5/3/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.7 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.08	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	9.00	0.823	"	"	"	"	"
Sodium	33.5	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 1
5/3/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-01 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	110 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	101 %	70-130	"	"	"
Surrogate: Terphenyl-d14	95.3 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.31	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	14.3	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.24	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 1
5/3/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.89	0.0968	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	564	9.68	"	"	"	"	"	
Cadmium	0.140	0.0968	"	"	"	"	"	
Copper	ND	9.68	"	"	"	"	"	U
Lead	ND	9.68	"	"	"	"	"	U
Nickel	ND	9.68	"	"	"	"	"	U
Selenium	0.0997	0.0968	"	"	"	"	"	
Silver	ND	0.0968	"	"	"	"	"	U
Zinc	ND	96.8	"	"	"	"	"	U

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681067	05/03/2023	05/10/2023
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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: Green 1

Green North 2
5/3/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-02 (Soil)

Boron (DTPA Sorbitol)

Boron	2.84	0.101	mg/L	1	B3E0405	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	75.7 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	119 %	70-130	"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 2
5/3/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.8 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.56	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	9.81	0.823	"	"	"	"	"
Sodium	34.0	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 2
5/3/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	111 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	102 %	70-130	"	"	"
Surrogate: Terphenyl-d14	89.4 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.19	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	13.7	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.51	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 2
5/3/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.88	0.0930	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	173	9.30	"	"	"	"	"	
Cadmium	0.137	0.0930	"	"	"	"	"	
Copper	ND	9.30	"	"	"	"	"	U
Lead	ND	9.30	"	"	"	"	"	U
Nickel	10.7	9.30	"	"	"	"	"	
Selenium	0.0967	0.0930	"	"	"	"	"	
Silver	ND	0.0930	"	"	"	"	"	U
Zinc	ND	93.0	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 3
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-03 (Soil)

Boron (DTPA Sorbitol)

Boron	2.68	0.100	mg/L	1	B3E0405	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	123 %	70-130			"	"	"	
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 3
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.1 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.92	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	7.28	0.823	"	"	"	"	"
Sodium	26.2	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 3
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-03 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	109 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	99.3 %	70-130	"	"	"
Surrogate: Terphenyl-d14	94.2 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.25	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	12.2	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.45	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 3
5/3/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.08	0.0967	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	122	9.67	"	"	"	"	"	
Cadmium	0.148	0.0967	"	"	"	"	"	
Copper	ND	9.67	"	"	"	"	"	U
Lead	ND	9.67	"	"	"	"	"	U
Nickel	10.1	9.67	"	"	"	"	"	
Selenium	0.181	0.0967	"	"	"	"	"	
Silver	ND	0.0967	"	"	"	"	"	U
Zinc	ND	96.7	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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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: Green 1

Green North 4
5/3/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-04 (Soil)

Boron (DTPA Sorbitol)

Boron	3.08	0.100	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	126 %	70-130			"	"	"	
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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 4
5/3/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.4 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.87	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	8.61	0.823	"	"	"	"	"
Sodium	33.4	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 4
5/3/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-04 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	107 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	101 %	70-130	"	"	"
Surrogate: Terphenyl-d14	97.7 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.34	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	14.6	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.40	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 4
5/3/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.16	0.0892	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	181	8.92	"	"	"	"	"	
Cadmium	0.166	0.0892	"	"	"	"	"	
Copper	9.03	8.92	"	"	"	"	"	
Lead	ND	8.92	"	"	"	"	"	U
Nickel	9.66	8.92	"	"	"	"	"	
Selenium	0.191	0.0892	"	"	"	"	"	
Silver	ND	0.0892	"	"	"	"	"	U
Zinc	ND	89.2	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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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: Green 1

Green North 5
5/3/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-05 (Soil)

Boron (DTPA Sorbitol)

Boron	1.97	0.0988	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	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	B3E0335	05/03/2023	05/04/2023	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	125 %	70-130			"	"	"	
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 5
5/3/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	93.6 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.40	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	4.39	0.823	"	"	"	"	"
Sodium	17.5	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 5
5/3/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-05 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	111 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	101 %	70-130	"	"	"
Surrogate: Terphenyl-d14	89.1 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.31	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	10.3	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.33	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 5
5/3/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.20	0.0919	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	177	9.19	"	"	"	"	"	
Cadmium	0.127	0.0919	"	"	"	"	"	
Copper	ND	9.19	"	"	"	"	"	U
Lead	ND	9.19	"	"	"	"	"	U
Nickel	9.33	9.19	"	"	"	"	"	
Selenium	0.103	0.0919	"	"	"	"	"	
Silver	ND	0.0919	"	"	"	"	"	U
Zinc	ND	91.9	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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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: Green 1

Green North 6
5/3/2023 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.83	0.101	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	137 %	70-130			"	"	"	S-GC
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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 6
5/3/2023 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	86.1 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	102 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.10	0.823	"	"	"	"	"
Sodium	9.58	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 6
5/3/2023 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-06 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	109 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	100 %	70-130	"	"	"
Surrogate: Terphenyl-d14	95.0 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.49	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	12.1	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.10	0.00500	mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 6
5/3/2023 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.85	0.0858	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	95.5	8.58	"	"	"	"	"	
Cadmium	0.112	0.0858	"	"	"	"	"	
Copper	ND	8.58	"	"	"	"	"	U
Lead	ND	8.58	"	"	"	"	"	U
Nickel	9.06	8.58	"	"	"	"	"	
Selenium	0.113	0.0858	"	"	"	"	"	
Silver	ND	0.0858	"	"	"	"	"	U
Zinc	ND	85.8	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 7

5/3/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.87	0.101	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.3 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	123 %	70-130			"	"	"
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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 7

5/3/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	89.7 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	21.3	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	20.9	0.823	"	"	"	"	"
Sodium	32.7	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 7

5/3/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-07 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	110 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	105 %	70-130	"	"	"
Surrogate: Terphenyl-d14	97.1 %	70-130	"	"	"

pH in Soil by 9045D

pH	7.97	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	7.12	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.80	0.00500	mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 7

5/3/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.03	0.0923	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	107	9.23	"	"	"	"	"	
Cadmium	0.129	0.0923	"	"	"	"	"	
Copper	ND	9.23	"	"	"	"	"	U
Lead	ND	9.23	"	"	"	"	"	U
Nickel	ND	9.23	"	"	"	"	"	U
Selenium	ND	0.0923	"	"	"	"	"	U
Silver	ND	0.0923	"	"	"	"	"	U
Zinc	ND	92.3	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 8

5/3/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-08 (Soil)

Boron (DTPA Sorbitol)

Boron	2.43	0.101	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.3 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	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	130 %	70-130	"	"	"	"	"	
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 8

5/3/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.1 %	70-130	B3E03 35	05/03/2023	05/04/2023
Surrogate: 4-Bromofluorobenzene	99.5 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	21.2	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	22.8	0.823	"	"	"	"	"
Sodium	38.6	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 8

5/3/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-08 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	107 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	99.3 %	70-130	"	"	"
Surrogate: Terphenyl-d14	94.1 %	70-130	"	"	"

pH in Soil by 9045D

pH	7.99	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	8.22	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.53	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 8

5/3/2023 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-08 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.15	0.0910	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	208	9.10	"	"	"	"	"	
Cadmium	0.148	0.0910	"	"	"	"	"	
Copper	ND	9.10	"	"	"	"	"	U
Lead	ND	9.10	"	"	"	"	"	U
Nickel	10.0	9.10	"	"	"	"	"	
Selenium	0.114	0.0910	"	"	"	"	"	
Silver	ND	0.0910	"	"	"	"	"	U
Zinc	ND	91.0	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.513	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 9
5/3/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305112-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.157	0.101	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00340	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00228	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	124 %	70-130			"	"	"	
Surrogate: Toluene-d8	92.3 %	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: Green 1

Green North 9

5/3/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 101 % 70-130 B3E03 35 05/03/2023 05/04/2023

Metals by Saturated Paste by EPA 6010

Calcium	0.719	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.10	0.823	"	"	"	"	"
Sodium	2.94	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 9

5/3/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-09 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	108 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	104 %	70-130	"	"	"
Surrogate: Terphenyl-d14	93.3 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.08	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	3.09	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.560	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Table 915 metals by EPA 6020B

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 9

5/3/2023 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-09 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.32	0.0885	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	37.8	8.85	"	"	"	"	"	
Cadmium	ND	0.0885	"	"	"	"	"	U
Copper	ND	8.85	"	"	"	"	"	U
Lead	ND	8.85	"	"	"	"	"	U
Nickel	8.85	8.85	"	"	"	"	"	
Selenium	ND	0.0885	"	"	"	"	"	U
Silver	ND	0.0885	"	"	"	"	"	U
Zinc	ND	88.5	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 10

5/3/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.124	0.100	mg/L	1	B3E0406	05/04/2023	05/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0333	05/03/2023	05/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00254	0.00200	mg/kg	1	B3E0335	05/03/2023	05/04/2023	
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	123 %	70-130			"	"	"	
Surrogate: Toluene-d8	89.6 %	70-130			"	"	"	

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 10

5/3/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	102 %	70-130	B3E03 35	05/03/2023	05/04/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.759	0.499	meq/L	10	[CALC]	05/04/2023	05/05/2023
Magnesium	1.11	0.823	"	"	"	"	"
Sodium	2.58	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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 (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

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 10

5/3/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-10 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B3E0332	05/03/2023	05/05/2023	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: Nitrobenzene-d5	115 %	70-130	"	"	"
Surrogate: 2-Fluorobiphenyl	104 %	70-130	"	"	"
Surrogate: Terphenyl-d14	96.9 %	70-130	"	"	"

pH in Soil by 9045D

pH	8.06	pH Units	1	B3E0411	05/04/2023	05/05/2023
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SAR by 20B Saturated Paste

SAR	2.67	SAR	1	B3E0408	05/04/2023	05/05/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.514	0.00500 mmhos/cm	1	B3E0411	05/04/2023	05/05/2023
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Table 915 metals by EPA 6020B

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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Green North 10

5/3/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y305112-10 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.38	0.0884	mg/kg	10	B3E0413	05/04/2023	05/08/2023	
Barium	30.5	8.84	"	"	"	"	"	
Cadmium	ND	0.0884	"	"	"	"	"	U
Copper	ND	8.84	"	"	"	"	"	U
Lead	ND	8.84	"	"	"	"	"	U
Nickel	ND	8.84	"	"	"	"	"	U
Selenium	ND	0.0884	"	"	"	"	"	U
Silver	ND	0.0884	"	"	"	"	"	U
Zinc	ND	88.4	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.513	mg/Kg	1	L681097	05/03/2023	05/10/2023
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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0333 - EPA 3550B										
Blank (B3E0333-BLK1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0333 - EPA 3550B

LCS (B3E0333-BS1)

Prepared: 05/03/2023 Analyzed: 05/03/2023

Diesel (C10-C28)	944	50.0	mg/kg	1000		94.4	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0333 - EPA 3550B

Matrix Spike (B3E0333-MS1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	820	50.0	mg/kg	1000	ND	82.0	70-130			
Residual Range Organics (C28-C40)	970	200	"	1000	ND	97.0	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.5	50-150			

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0333 - EPA 3550B

Matrix Spike Dup (B3E0333-MSD1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
Diesel (C10-C28)	850	50.0	mg/kg	1000	ND	85.0	70-130	3.60	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	5.48	35	
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)										
Blank (B3E0335-BLK1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
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		94.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)										
LCS (B3E0335-BS1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.111	0.00200	"	0.100		111	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.114	0.00200	"	0.100		114	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.225	0.00400	"	0.200		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	87.8		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	103		70-130			

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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)										
Matrix Spike (B3E0335-MS1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	0.0684	0.00200	mg/kg	0.100	ND	68.4	70-130			QM-07
1,3,5-Trimethylbenzene	0.0698	0.00200	"	0.100	ND	69.8	70-130			QM-07
Benzene	0.0907	0.00200	"	0.100	ND	90.7	70-130			
Ethylbenzene	0.0745	0.00200	"	0.100	ND	74.5	70-130			
Naphthalene	0.0822	0.00380	"	0.100	ND	82.2	70-130			
Toluene	0.0894	0.00200	"	0.100	ND	89.4	70-130			
o-Xylene	0.0736	0.00200	"	0.100	ND	73.6	70-130			
m,p-Xylene	0.151	0.00400	"	0.200	ND	75.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0335 - EPA 5030 (soil)										
Matrix Spike Dup (B3E0335-MSD1)		Source: Y305109-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	0.0600	0.00200	mg/kg	0.100	ND	60.0	70-130	13.2	20	QM-07
1,3,5-Trimethylbenzene	0.0609	0.00200	"	0.100	ND	60.9	70-130	13.6	20	QM-07
Benzene	0.0875	0.00200	"	0.100	ND	87.5	70-130	3.66	20	
Ethylbenzene	0.0665	0.00200	"	0.100	ND	66.5	70-130	11.3	20	QM-07
Naphthalene	0.0701	0.00380	"	0.100	ND	70.1	70-130	15.8	20	
Toluene	0.0839	0.00200	"	0.100	ND	83.9	70-130	6.37	20	
o-Xylene	0.0660	0.00200	"	0.100	ND	66.0	70-130	11.0	20	QM-07
m,p-Xylene	0.134	0.00400	"	0.200	ND	67.1	70-130	11.9	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.9	70-130			

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0413 - EPA 3050B

Blank (B3E0413-BLK1)

Prepared: 05/04/2023 Analyzed: 05/08/2023

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.0100	"							U
Nickel	ND	0.0100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

LCS (B3E0413-BS1)

Prepared: 05/04/2023 Analyzed: 05/08/2023

Arsenic	0.0500	0.000100	mg/kg	0.0500		100	80-120
Barium	5.42	0.0100	"	5.00		108	80-120
Cadmium	0.0538	0.000100	"	0.0500		108	80-120
Copper	0.521	0.0100	"	0.500		104	80-120
Lead	0.0513	0.0100	"	0.0500		103	80-120
Nickel	0.0520	0.0100	"	0.0500		104	80-120
Selenium	0.0545	0.000100	"	0.0500		109	80-120
Silver	0.0570	0.000100	"	0.0500		114	80-120
Zinc	0.492	0.100	"	0.500		98.3	80-120

Matrix Spike (B3E0413-MS1)

Source: Y305102-01

Prepared: 05/04/2023 Analyzed: 05/08/2023

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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: Green 1

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
Batch B3E0413 - EPA 3050B										
Matrix Spike (B3E0413-MS1)		Source: Y305102-01			Prepared: 05/04/2023 Analyzed: 05/08/2023					
Arsenic	8.89	0.0919	mg/kg	4.59	7.03	40.6	75-125			QM-07
Barium	665	9.19	"	459	293	80.9	75-125			
Cadmium	4.89	0.0919	"	4.59	0.386	98.1	75-125			
Copper	58.4	9.19	"	45.9	16.9	90.2	75-125			
Lead	18.8	9.19	"	4.59	18.5	5.39	75-125			QM-07
Nickel	19.8	9.19	"	4.59	28.5	NR	75-125			QM-07
Selenium	4.71	0.0919	"	4.59	0.248	97.2	75-125			
Silver	4.92	0.0919	"	4.59	0.0280	106	75-125			
Zinc	86.3	91.9	"	45.9	48.9	81.4	75-125			U
Matrix Spike Dup (B3E0413-MSD1)		Source: Y305102-01			Prepared: 05/04/2023 Analyzed: 05/08/2023					
Arsenic	8.30	0.0861	mg/kg	4.31	7.03	29.6	75-125	6.84	20	QM-07
Barium	558	8.61	"	431	293	61.5	75-125	17.5	20	QM-07
Cadmium	4.54	0.0861	"	4.31	0.386	96.5	75-125	7.41	20	
Copper	55.9	8.61	"	43.1	16.9	90.6	75-125	4.27	20	
Lead	17.7	8.61	"	4.31	18.5	NR	75-125	5.86	20	QM-07
Nickel	20.5	8.61	"	4.31	28.5	NR	75-125	3.74	20	QM-07
Selenium	4.67	0.0861	"	4.31	0.248	103	75-125	0.991	20	
Silver	4.61	0.0861	"	4.31	0.0280	107	75-125	6.34	20	
Zinc	82.7	86.1	"	43.1	48.9	78.6	75-125	4.20	20	U

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Blank (B3E0332-BLK1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	ND	0.006	mg/kg							U
2-Methylnaphthalene	ND	0.019	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.011	"							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	0.020	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Nitrobenzene-d5	210		ug/kg	200		106	70-130			
Surrogate: 2-Fluorobiphenyl	210		"	200		103	70-130			
Surrogate: Terphenyl-d14	190		"	200		95.6	70-130			

LCS (B3E0332-BS1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	0.196	0.006	mg/kg	0.200		98.0	70-130
2-Methylnaphthalene	0.196	0.019	"	0.200		98.0	70-130
Acenaphthene	0.186	0.020	"	0.200		92.8	70-130
Anthracene	0.209	0.020	"	0.200		104	70-130
Benzo (a) anthracene	0.197	0.011	"	0.200		98.6	70-130

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

LCS (B3E0332-BS1)

Prepared: 05/03/2023 Analyzed: 05/04/2023

Benzo (a) pyrene	0.193	0.020	mg/kg	0.200		96.5	70-130
Benzo (b) fluoranthene	0.194	0.020	"	0.200		96.8	70-130
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		98.8	70-130
Benzo (k) fluoranthene	0.176	0.020	"	0.200		88.0	70-130
Chrysene	0.182	0.020	"	0.200		90.8	70-130
Dibenz (a,h) anthracene	0.183	0.020	"	0.200		91.7	70-130
Fluoranthene	0.196	0.020	"	0.200		97.8	70-130
Fluorene	0.200	0.020	"	0.200		99.8	70-130
Indeno (1,2,3-cd) pyrene	0.198	0.020	"	0.200		99.2	70-130
Naphthalene	0.196	0.020	"	0.200		97.8	70-130
Phenanthrene	0.189	0.020	"	0.200		94.6	70-130
Pyrene	0.189	0.020	"	0.200		94.4	70-130
Surrogate: Nitrobenzene-d5	210		ug/kg	200		104	70-130
Surrogate: 2-Fluorobiphenyl	200		"	200		101	70-130
Surrogate: Terphenyl-dl4	190		"	200		93.9	70-130

Matrix Spike (B3E0332-MS1)

Source: Y305102-01

Prepared: 05/03/2023 Analyzed: 05/04/2023

1-Methylnaphthalene	0.198	0.006	mg/kg	0.200	ND	98.9	70-130
2-Methylnaphthalene	0.199	0.019	"	0.200	ND	99.7	70-130
Acenaphthene	0.195	0.020	"	0.200	ND	97.4	70-130
Anthracene	0.202	0.020	"	0.200	0.002	100	70-130
Benzo (a) anthracene	0.205	0.011	"	0.200	0.001	102	70-130
Benzo (a) pyrene	0.212	0.020	"	0.200	0.002	105	70-130
Benzo (b) fluoranthene	0.197	0.020	"	0.200	ND	98.7	70-130
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.003	102	70-130
Benzo (k) fluoranthene	0.183	0.020	"	0.200	ND	91.7	70-130
Chrysene	0.220	0.020	"	0.200	ND	110	70-130

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Matrix Spike (B3E0332-MS1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
Dibenz (a,h) anthracene	0.193	0.020	mg/kg	0.200	ND	96.3	70-130			
Fluoranthene	0.198	0.020	"	0.200	ND	99.2	70-130			
Fluorene	0.203	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200	ND	104	70-130			
Naphthalene	0.198	0.020	"	0.200	ND	98.8	70-130			
Phenanthrene	0.188	0.020	"	0.200	ND	94.1	70-130			
Pyrene	0.199	0.020	"	0.200	0.001	99.2	70-130			
Surrogate: Nitrobenzene-d5	210		ug/kg	200		105	70-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		100	70-130			
Surrogate: Terphenyl-dl4	180		"	200		91.9	70-130			

Matrix Spike Dup (B3E0332-MSD1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
1-Methylnaphthalene	0.205	0.006	mg/kg	0.200	ND	102	70-130	3.43	20	
2-Methylnaphthalene	0.205	0.019	"	0.200	ND	103	70-130	2.89	20	
Acenaphthene	0.195	0.020	"	0.200	ND	97.4	70-130	0.0317	20	
Anthracene	0.210	0.020	"	0.200	0.002	104	70-130	3.66	20	
Benzo (a) anthracene	0.205	0.011	"	0.200	0.001	102	70-130	0.0268	20	
Benzo (a) pyrene	0.213	0.020	"	0.200	0.002	106	70-130	0.433	20	
Benzo (b) fluoranthene	0.194	0.020	"	0.200	ND	96.8	70-130	1.92	20	
Benzo (g,h,i) perylene	0.197	0.020	"	0.200	0.003	97.1	70-130	4.89	20	
Benzo (k) fluoranthene	0.182	0.020	"	0.200	ND	90.9	70-130	0.817	20	
Chrysene	0.209	0.020	"	0.200	ND	104	70-130	5.15	20	
Dibenz (a,h) anthracene	0.175	0.020	"	0.200	ND	87.3	70-130	9.75	20	
Fluoranthene	0.200	0.020	"	0.200	ND	100	70-130	0.957	20	
Fluorene	0.208	0.020	"	0.200	ND	104	70-130	2.31	20	
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	ND	99.8	70-130	3.74	20	
Naphthalene	0.205	0.020	"	0.200	ND	102	70-130	3.61	20	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0332 - EPA 3580

Matrix Spike Dup (B3E0332-MSD1)		Source: Y305102-01			Prepared: 05/03/2023 Analyzed: 05/04/2023					
Phenanthrene	0.198	0.020	mg/kg	0.200	ND	98.8	70-130	4.83	20	
Pyrene	0.197	0.020	"	0.200	0.001	98.1	70-130	1.11	20	
Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	70-130			
Surrogate: 2-Fluorobiphenyl	210		"	200		103	70-130			
Surrogate: Terphenyl-dl4	180		"	200		87.8	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0405 - DTPA Sorbitol Preparation										
Blank (B3E0405-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3E0405-DUP1)					Source: Y305062-13		Prepared: 05/04/2023 Analyzed: 05/05/2023			
Boron	0.272	0.0987	mg/L		0.257			5.85	50	
Batch B3E0406 - DTPA Sorbitol Preparation										
Blank (B3E0406-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3E0406-DUP1)					Source: Y305093-01		Prepared: 05/04/2023 Analyzed: 05/05/2023			
Boron	0.144	0.100	mg/L		0.120			18.0	50	
Batch B3E0408 - Saturated Paste Metals										
Blank (B3E0408-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U
Duplicate (B3E0408-DUP1)					Source: Y305093-01		Prepared: 05/04/2023 Analyzed: 05/05/2023			
Calcium PPM	27.6	10.0	mg/L		20.9			27.5	50	
SAR	0.00		SAR		0.844			200	200	U
Magnesium PPM	5.49	10.0	mg/L		4.68			15.9	50	U
Sodium PPM	16.6	10.0	"		16.4			1.57	50	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0411 - Saturated Paste pH/EC										
Blank (B3E0411-BLK1)					Prepared: 05/04/2023 Analyzed: 05/05/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
pH	0.00		pH Units							U
Duplicate (B3E0411-DUP1)					Source: Y305093-01 Prepared: 05/04/2023 Analyzed: 05/05/2023					
Specific Conductance (EC)	0.602	0.00500	mmhos/cm		0.549			9.33	25	
pH	8.60		pH Units		8.63			0.348	25	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L681067 -										
DUP (L 90956-DUP)		Source: 90956			Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	ND	0.515	mg/Kg		<0.515	-		0	20	
MS (L 90956-MS)		Source: 90956			Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	36.1	2.54	mg/Kg	40.6	<1.24	89	75-125			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 L681097 -										
DUP (L 90970-DUP)	Source: Y305112-10				Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	ND	0.51	mg/Kg		<0.510	-		0	20	
MS (L 90970-MS)	Source: Y305112-10				Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	35.5	2.5	mg/Kg	39.3	<1.22	90	75-125			
LCS (LCS)					Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	6.34	0.5	mg/Kg	8		79	75-125			
LRB (LRB)					Prepared: Analyzed: 05/10/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

Notes and Definitions

U Sample is Non-Detect.

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.

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.



Jen Pellegrini For Noelle Doyle Mathis, President

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.



May 12, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver

CO 80202

Project Name - Green 1

Project Number - [none]

Attached are your analytical results for Green 1 received by Origins Laboratory, Inc. May 03, 2023. This project is associated with Origins project number Y305110-01.

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: Green 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Ground Water	Y305110-01	Water	May 3, 2023 0:00	05/03/2023 16:40

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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources

1125 17th St Suite 550

Denver

CO

80202

Dean Wagoner

Project Number: [none]

Project: Green 1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4305110

Client: Verdad

Client Project ID: Green 1

Checklist Completed by: EHS

Shipped Via: HD

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

Date/time completed: 5/3/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 10 °C 1 / 1 °C 1 / 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>SD</u>
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"/>			<u>NC</u>
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.

EHS
Reviewed by (Project Manager)

5/3/23
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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: Green 1

Green Ground Water
5/3/2023 12:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305110-01 (Water)

Anions by IC 300.0

Chloride	196	31.2	mg/L	125	B3E0904	Lab	05/09/2023	05/10/2023	
Sulfate	213	31.2	"	"	"	Lab	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	8.42	2.00	ug/L	1	B3E0331	JSM	05/03/2023	05/03/2023	
1,3,5-Trimethylbenzene	3.61	2.00	"	"	"	JSM	"	"	
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	2.13	1.00	"	"	"	JSM	"	"	
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	24.2	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	70-130			"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	900	5.00	mg/L	1	B3E0414	SCL	05/04/2023	05/04/2023	
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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: Green 1

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 B3E0331 - EPA 5030B (Water)										
Blank (B3E0331-BLK1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.8	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.

Jen Pellegrini For Noelle Doyle Mathis, President

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0331 - EPA 5030B (Water)										
LCS (B3E0331-BS1)					Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	47.1	2.00	ug/L	50.0		94.2	70-130			
1,3,5-Trimethylbenzene	48.1	2.00	"	50.0		96.2	70-130			
Benzene	46.0	1.00	"	50.0		92.0	70-130			
Ethylbenzene	47.6	1.00	"	50.0		95.2	70-130			
m,p-Xylene	97.2	2.00	"	100		97.2	70-130			
Naphthalene	44.9	2.00	"	50.0		89.8	70-130			
o-Xylene	46.8	1.00	"	50.0		93.5	70-130			
Toluene	45.4	1.00	"	50.0		90.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.3	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	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: Green 1

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 B3E0331 - EPA 5030B (Water)										
Matrix Spike (B3E0331-MS1)		Source: Y305084-01			Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	40.1	2.00	ug/L	50.0	ND	80.3	70-130			
1,3,5-Trimethylbenzene	40.6	2.00	"	50.0	ND	81.2	70-130			
Benzene	42.9	1.00	"	50.0	ND	85.8	70-130			
Ethylbenzene	45.1	1.00	"	50.0	ND	90.1	70-130			
m,p-Xylene	90.4	2.00	"	100	ND	90.4	70-130			
Naphthalene	38.0	2.00	"	50.0	ND	75.9	70-130			
o-Xylene	40.4	1.00	"	50.0	ND	80.9	70-130			
Toluene	41.3	1.00	"	50.0	ND	82.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.6	70-130			
Surrogate: 4-Bromofluorobenzene	72		"	62.5		116	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: Green 1

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 B3E0331 - EPA 5030B (Water)										
Matrix Spike Dup (B3E0331-MSD1)			Source: Y305084-01		Prepared: 05/03/2023 Analyzed: 05/03/2023					
1,2,4-Trimethylbenzene	41.7	2.00	ug/L	50.0	ND	83.4	70-130	3.79	20	
1,3,5-Trimethylbenzene	42.8	2.00	"	50.0	ND	85.6	70-130	5.32	20	
Benzene	45.1	1.00	"	50.0	ND	90.2	70-130	4.98	20	
Ethylbenzene	48.5	1.00	"	50.0	ND	97.0	70-130	7.35	20	
m,p-Xylene	96.5	2.00	"	100	ND	96.5	70-130	6.53	20	
Naphthalene	38.4	2.00	"	50.0	ND	76.9	70-130	1.26	20	
o-Xylene	42.2	1.00	"	50.0	ND	84.3	70-130	4.12	20	
Toluene	44.9	1.00	"	50.0	ND	89.8	70-130	8.38	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.6	70-130			
Surrogate: Toluene-d8	57		"	62.5		91.3	70-130			
Surrogate: 4-Bromofluorobenzene	71		"	62.5		113	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: Green 1

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 B3E0414 - NO PREP

Blank (B3E0414-BLK1)

Prepared: 05/04/2023 Analyzed: 05/04/2023

Total Dissolved Solids	ND	5.00	mg/L							U
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LCS (B3E0414-BS1)

Prepared: 05/04/2023 Analyzed: 05/04/2023

Total Dissolved Solids	975	5.00	mg/L	1010		96.5	90-110			
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Duplicate (B3E0414-DUP1)

Source: Y304684-21

Prepared: 05/04/2023 Analyzed: 05/04/2023

Total Dissolved Solids	10700	5.00	mg/L		10500			1.12	10	
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Batch B3E0904 - Filter .45um non acidified

Blank (B3E0904-BLK1)

Prepared: 05/09/2023 Analyzed: 05/10/2023

Chloride	ND	0.250	mg/L							U
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Sulfate	ND	0.250	"							U
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LCS (B3E0904-BS1)

Prepared: 05/09/2023 Analyzed: 05/10/2023

Chloride	4.03	0.250	mg/L	4.00		101	90-110			
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Sulfate	4.08	0.250	"	4.00		102	90-110			
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Matrix Spike (B3E0904-MS1)

Source: Y304661-15

Prepared: 05/09/2023 Analyzed: 05/10/2023

Chloride	571		mg/L	500	95.6	95.1	90-110			
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Sulfate	626		"	500	137	97.7	90-110			
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Matrix Spike Dup (B3E0904-MSD1)

Source: Y304661-15

Prepared: 05/09/2023 Analyzed: 05/10/2023

Origins Laboratory, Inc.



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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Green 1

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 B3E0904 - Filter .45um non acidified

Matrix Spike Dup (B3E0904-MSD1)			Source: Y304661-15			Prepared: 05/09/2023 Analyzed: 05/10/2023				
Chloride	578		mg/L	500	95.6	96.5	90-110	1.17	5	
Sulfate	631		"	500	137	98.8	90-110	0.835	5	

Origins Laboratory, Inc.



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Verdad Resources

1125 17th St Suite 550

Denver CO 80202

Dean Wagoner

Project Number: [none]

Project: Green 1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

April 25, 2023

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Green

Project Number - 1

Attached are your analytical results for Green received by Origins Laboratory, Inc. April 18, 2023. This project is associated with Origins project number Y304413-01.

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: 1

Project: Green

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Green Background	Y304413-01	Soil	April 18, 2023 14:00	04/18/2023 16:50

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 1
Project: Green

www.originslaboratory.com

4304413 page of

ORIGINS LABORATORY, INC

Client: Verdad Resources
Address: 125 17th Street Suite 550
Denver CO 80202
Telephone Number: 720 845 6900
Email Address: mcugnetti@verdadresources.com

Project Manager: Dean Wagoner
Project Name: Green
Project Number: 1
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 Canister #	Other		
Green Background	4-18-23	2:00	2					X				X	1
													2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: Dean Wagoner Date: 4-18-23 Time: 1650
Relinquished By: Date: Time: 1650

Received By: EHS Date: 4/18/23 Time: 1650
Received By: Date: Time: 1650

Turnaround Time: Same Day ☒ 24 Hr ☒ 48 Hr ☒ 72 Hr ☐ Standard ☐

Date Results Needed

Temp Received- 6.0

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

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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: 1
Project: Green

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 480443

Client: Verdad

Client Project ID: Green

Checklist Completed by: EMS HSN

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

Date/time completed: 4/18/23

Airbill #: NA

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

Cooler Number/Temperature: 1 / 6.0 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 7084

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 type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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) [Signature]

Date/Time Reviewed 4/19/23

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini, Project Manager

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: 1
Project: Green

Green Background
4/18/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304413-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.837	0.0990	mg/L	1	B3D2005	04/20/2023	04/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1836	04/18/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.9 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1802	04/18/2023	04/18/2023	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	117 %	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.

Jen Pellegrini, Project Manager

Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Background
4/18/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304413-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.6 %	70-130	B3D18 02	04/18/2023	04/18/2023
Surrogate: 4-Bromofluorobenzene	93.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.03	0.499	meq/L	10	[CALC]	04/20/2023	04/21/2023
Magnesium	2.83	0.823	"	"	"	"	"
Sodium	5.43	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Background
4/18/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304413-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L677615	04/21/2023	04/24/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	47.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	56.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B3D2016	04/20/2023	04/21/2023
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SAR by 20B Saturated Paste

SAR	3.91	SAR	1	B3D2010	04/20/2023	04/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.903	0.00500	mmhos/cm	1	B3D2016	04/20/2023	04/21/2023
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Table 915 metals by EPA 6020B

Arsenic	3.23	0.0911	mg/kg	10	B3D1902	04/19/2023	04/20/2023
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Green Background
4/18/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304413-01 (Soil)

Table 915 metals by EPA 6020B

Barium	51.1	9.11	mg/kg	10	B3D1902	04/19/2023	04/20/2023	
Cadmium	0.101	0.0911	"	"	"	"	"	
Copper	ND	9.11	"	"	"	"	"	U
Lead	ND	9.11	"	"	"	"	"	U
Nickel	10.3	9.11	"	"	"	"	"	
Selenium	0.134	0.0911	"	"	"	"	"	
Silver	ND	0.0911	"	"	"	"	"	U
Zinc	ND	91.1	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L677648	04/18/2023	04/21/2023
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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 B3D1802 - EPA 5030 (soil)										
Blank (B3D1802-BLK1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
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	0.13		"	0.125	104		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	93.0		70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D1802 - EPA 5030 (soil)										
LCS (B3D1802-BS1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0995	0.00200	mg/kg	0.100		99.5	70-130			
1,3,5-Trimethylbenzene	0.0935	0.00200	"	0.100		93.5	70-130			
Benzene	0.0934	0.00200	"	0.100		93.4	70-130			
Ethylbenzene	0.0954	0.00200	"	0.100		95.4	70-130			
Naphthalene	0.109	0.00380	"	0.100		109	70-130			
Toluene	0.0882	0.00200	"	0.100		88.2	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.198	0.00400	"	0.200		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3D1802 - EPA 5030 (soil)

Matrix Spike (B3D1802-MS1)		Source: Y304372-02			Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0783	0.00200	mg/kg	0.100	ND	78.3	70-130			
1,3,5-Trimethylbenzene	0.0735	0.00200	"	0.100	ND	73.5	70-130			
Benzene	0.0791	0.00200	"	0.100	ND	79.1	70-130			
Ethylbenzene	0.0753	0.00200	"	0.100	ND	75.3	70-130			
Naphthalene	0.0955	0.00380	"	0.100	ND	95.5	70-130			
Toluene	0.0743	0.00200	"	0.100	ND	74.3	70-130			
o-Xylene	0.0815	0.00200	"	0.100	ND	81.5	70-130			
m,p-Xylene	0.156	0.00400	"	0.200	ND	77.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

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Dean Wagoner
Project Number: 1
Project: Green

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 B3D1802 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1802-MSD1)		Source: Y304372-02			Prepared: 04/18/2023 Analyzed: 04/18/2023					
1,2,4-Trimethylbenzene	0.0667	0.00200	mg/kg	0.100	ND	66.7	70-130	16.1	20	QM-07
1,3,5-Trimethylbenzene	0.0625	0.00200	"	0.100	ND	62.5	70-130	16.1	20	QM-07
Benzene	0.0687	0.00200	"	0.100	ND	68.7	70-130	14.1	20	QM-07
Ethylbenzene	0.0649	0.00200	"	0.100	ND	64.9	70-130	14.9	20	QM-07
Naphthalene	0.0788	0.00380	"	0.100	ND	78.8	70-130	19.1	20	
Toluene	0.0642	0.00200	"	0.100	ND	64.2	70-130	14.5	20	QM-07
o-Xylene	0.0697	0.00200	"	0.100	ND	69.7	70-130	15.6	20	QM-07
m,p-Xylene	0.134	0.00400	"	0.200	ND	67.0	70-130	15.1	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Project: Green

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 B3D1836 - EPA 3550B										
Blank (B3D1836-BLK1)					Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

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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 B3D1836 - EPA 3550B

LCS (B3D1836-BS1)

Prepared: 04/18/2023 Analyzed: 04/18/2023

Diesel (C10-C28)	1020	50.0	mg/kg	1000		102	70-130			
Residual Range Organics (C28-C40)	919	200	"	1000		91.9	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Project: Green

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 B3D1836 - EPA 3550B

Matrix Spike (B3D1836-MS1)		Source: Y304406-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	915	200	"	1000	ND	91.5	70-130			
Surrogate: o-Terphenyl	45		"	49.8		91.1	50-150			

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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 B3D1836 - EPA 3550B

Matrix Spike Dup (B3D1836-MSD1)		Source: Y304406-01			Prepared: 04/18/2023 Analyzed: 04/18/2023					
Diesel (C10-C28)	976	50.0	mg/kg	1000	ND	97.6	70-130	4.06	35	
Residual Range Organics (C28-C40)	924	200	"	1000	ND	92.4	70-130	1.00	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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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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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 B3D1902 - EPA 3050B

Blank (B3D1902-BLK1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.0100	"							U
Nickel	ND	0.0100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

LCS (B3D1902-BS1)

Prepared: 04/19/2023 Analyzed: 04/20/2023

Arsenic	0.0518	0.000100	mg/kg	0.0500		104	80-120
Barium	5.36	0.0100	"	5.00		107	80-120
Cadmium	0.0529	0.000100	"	0.0500		106	80-120
Copper	0.554	0.0100	"	0.500		111	80-120
Lead	0.0530	0.0100	"	0.0500		106	80-120
Nickel	0.0548	0.0100	"	0.0500		110	80-120
Selenium	0.0498	0.000100	"	0.0500		99.5	80-120
Silver	0.0430	0.000100	"	0.0500		85.9	80-120
Zinc	0.548	0.100	"	0.500		110	80-120

Matrix Spike (B3D1902-MS1)

Source: Y304392-01

Prepared: 04/19/2023 Analyzed: 04/20/2023

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Dean Wagoner
Project Number: 1
Project: Green

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
Batch B3D1902 - EPA 3050B										
Matrix Spike (B3D1902-MS1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.72	0.0883	mg/kg	4.42	5.11	104	75-125			
Barium	830	8.83	"	442	206	141	75-125			QM-07
Cadmium	4.81	0.0883	"	4.42	0.267	103	75-125			
Copper	48.2	8.83	"	44.2	8.64	89.6	75-125			
Lead	13.9	8.83	"	4.42	10.2	84.8	75-125			
Nickel	13.7	8.83	"	4.42	9.78	88.8	75-125			
Selenium	4.38	0.0883	"	4.42	0.138	96.1	75-125			
Silver	3.67	0.0883	"	4.42	0.0479	81.9	75-125			
Zinc	83.9	88.3	"	44.2	46.0	86.0	75-125			U
Matrix Spike Dup (B3D1902-MSD1)		Source: Y304392-01			Prepared: 04/19/2023 Analyzed: 04/20/2023					
Arsenic	9.66	0.0905	mg/kg	4.53	5.11	101	75-125	0.649	20	
Barium	750	9.05	"	453	206	120	75-125	10.1	20	
Cadmium	5.10	0.0905	"	4.53	0.267	107	75-125	5.93	20	
Copper	48.8	9.05	"	45.3	8.64	88.8	75-125	1.34	20	
Lead	15.0	9.05	"	4.53	10.2	107	75-125	7.52	20	
Nickel	18.8	9.05	"	4.53	9.78	199	75-125	31.2	20	QM-07, QR-DUP
Selenium	4.39	0.0905	"	4.53	0.138	94.1	75-125	0.272	20	
Silver	3.80	0.0905	"	4.53	0.0479	83.0	75-125	3.72	20	
Zinc	87.6	90.5	"	45.3	46.0	91.9	75-125	4.25	20	U

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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
Batch B3D2005 - DTPA Sorbitol Preparation										
Blank (B3D2005-BLK1)					Prepared: 04/20/2023 Analyzed: 04/21/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3D2005-DUP1)					Source: Y304353-02 Prepared: 04/20/2023 Analyzed: 04/21/2023					
Boron	3.64	0.0982	mg/L		3.83			5.16	50	
Batch B3D2010 - Saturated Paste Metals										
Blank (B3D2010-BLK1)					Prepared: 04/20/2023 Analyzed: 04/21/2023					
Calcium PPM	ND	10.0	mg/L							U
SAR	0.00		SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U
Duplicate (B3D2010-DUP1)					Source: Y304353-12 Prepared: 04/20/2023 Analyzed: 04/21/2023					
SAR	0.00		SAR		29.1			200	200	U
Calcium PPM	0.637	10.0	mg/L		0.698			9.14	50	U
Magnesium PPM	ND	10.0	"		0.496				50	U
Sodium PPM	120	10.0	"		130			7.80	50	

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Project Number: 1
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Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3D2016 - Saturated Paste pH/EC										
Blank (B3D2016-BLK1)					Prepared: 04/20/2023 Analyzed: 04/21/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B3D2016-DUP1)					Source: Y304353-12 Prepared: 04/20/2023 Analyzed: 04/21/2023					
Specific Conductance (EC)	0.538	0.00500	mmhos/cm		0.567			5.17	25	
pH	9.63		pH Units		9.60			0.312	25	

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Project Number: 1
Project: Green

PAH by 8270D SIM - 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 L677615 - 3550B

MSD (L 99437-MSD-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Benzo(k)fluoranthene	0.0969	0.00067	mg/Kg	0.166	<0.000437	58.3	30-130	1.6	30	
Pyrene	0.101	0.00067	"	0.166	<0.000643	60.8	30-130	4	30	
Naphthalene	0.0879	0.00201	"	0.166	<0.00145	52.9	30-130	6.8	30	
Indeno(1,2,3-cd)pyrene	0.0959	0.00067	"	0.166	<0.000627	57.7	30-130	2.2	30	
Fluorene	0.0962	0.00067	"	0.166	<0.000286	57.9	30-130	4	30	
Fluoranthene	0.101	0.00067	"	0.166	<0.000394	60.8	30-130	4.2	30	
Dibenz(a,h)anthracene	0.092	0.00067	"	0.166	<0.000614	55.4	30-130	4.1	30	
Chrysene	0.0982	0.00067	"	0.166	<0.000624	59.1	30-130	2.9	30	
Anthracene	0.0945	0.00067	"	0.166	<0.000334	56.9	30-130	5.6	30	
1-Methylnaphthalene	0.0908	0.00201	"	0.166	<0.00109	54.6	30-130	7.1	30	
Benzo(b)fluoranthene	0.11	0.00067	"	0.166	<0.000585	66.2	30-130	3.7	30	
2-Methylnaphthalene	0.0912	0.00201	"	0.166	<0.00194	54.9	30-130	7.2	30	
Acenaphthene	0.0932	0.00067	"	0.166	<0.000304	56.1	30-130	6.4	30	
Benzo(a)anthracene	0.108	0.00067	"	0.166	<0.000493	65	30-130	3.7	30	
Benzo(a)pyrene	0.0985	0.00067	"	0.166	<0.000468	59.3	30-130	0.8	30	
Surrogate: 4-Terphenyl-d14	52.1		"	0.332	183	52.1	33-122			
Surrogate: Nitrobenzene-d5	47.2		"	0.332	167	47.2	29-110			
Surrogate: 2-Fluorobiphenyl	46.6		"	0.332	163	46.6	33-115			

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Benzo(k)fluoranthene	0.0953	0.00067	mg/Kg	0.163	<0.000437	58.4	30-130			
Benzo(b)fluoranthene	0.106	0.00067	"	0.163	<0.000585	65	30-130			
Indeno(1,2,3-cd)pyrene	0.0938	0.00067	"	0.163	<0.000627	57.5	30-130			
Fluorene	0.0924	0.00067	"	0.163	<0.000286	56.6	30-130			
Fluoranthene	0.0968	0.00067	"	0.163	<0.000394	59.3	30-130			
Chrysene	0.0953	0.00067	"	0.163	<0.000624	58.4	30-130			
Pyrene	0.097	0.00067	"	0.163	<0.000643	59.5	30-130			

Origins Laboratory, Inc.



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Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - 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 L677615 - 3550B

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Naphthalene	0.0821	0.00201	mg/Kg	0.163	<0.00145	50.3	30-130			
Benzo(a)anthracene	0.104	0.00067	"	0.163	<0.000493	63.8	30-130			
Anthracene	0.0893	0.00067	"	0.163	<0.000334	54.7	30-130			
Acenaphthene	0.0874	0.00067	"	0.163	<0.000304	53.6	30-130			
2-Methylnaphthalene	0.0848	0.00201	"	0.163	<0.00194	52	30-130			
1-Methylnaphthalene	0.0845	0.00201	"	0.163	<0.00109	51.8	30-130			
Benzo(a)pyrene	0.0977	0.00067	"	0.163	<0.000468	59.9	30-130			
Dibenz(a,h)anthracene	0.0883	0.00067	"	0.163	<0.000614	54.1	30-130			
Surrogate: Nitrobenzene-d5	43.1		"	0.327	167	43.1	29-110			
Surrogate: 4-Terphenyl-d14	51		"	0.327	183	51	33-122			
Surrogate: 2-Fluorobiphenyl	43.1		"	0.327	163	43.1	33-115			

LCS (LCS-L677615)		Prepared: 04/21/2023 Analyzed: 04/24/2023								
Pyrene	0.125	0.00067	mg/Kg	0.167		74.8	30-130			
Benzo(b)fluoranthene	0.136	0.00067	"	0.167		81.4	30-130			
Benzo(k)fluoranthene	0.124	0.00067	"	0.167		74.2	30-130			
Chrysene	0.118	0.00067	"	0.167		70.6	30-130			
Fluoranthene	0.127	0.00067	"	0.167		76	30-130			
Indeno(1,2,3-cd)pyrene	0.127	0.00067	"	0.167		76	30-130			
Benzo(a)pyrene	0.128	0.00067	"	0.167		76.6	30-130			
Dibenz(a,h)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Naphthalene	0.105	0.00201	"	0.167		62.8	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Acenaphthene	0.11	0.00067	"	0.167		65.8	30-130			
2-Methylnaphthalene	0.108	0.00201	"	0.167		64.6	30-130			
1-Methylnaphthalene	0.107	0.00201	"	0.167		64	30-130			
Fluorene	0.117	0.00067	"	0.167		70	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L677615 - 3550B										
LCS (LCS-L677615)					Prepared: 04/21/2023 Analyzed: 04/24/2023					
Benzo(a)anthracene	0.136	0.00067	mg/Kg	0.167		81.4	30-130			
Surrogate: Nitrobenzene-d5	58.8		"	0.333		58.8	29-110			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333		66.6	33-122			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333		56.4	33-115			
LRB (LRB-L677615)					Prepared: 04/21/2023 Analyzed: 04/24/2023					
Naphthalene	ND	0.00201	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	55.5		"	0.333		55.5	29-110			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333		63.9	33-122			
Surrogate: 2-Fluorobiphenyl	55.2		"	0.333		55.2	33-115			

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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

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 L677648 -										
DUP (L 99400-DUP)		Source: 99400			Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 99400-MS)		Source: 99400			Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	36.1	2.5	mg/Kg	38.9	<1.22	93	75-125			
LCS (LCS)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	6.9	0.5	mg/Kg	8		86	75-125			
LRB (LRB)					Prepared: Analyzed: 04/21/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: 1
Project: Green

Notes and Definitions

U Sample is Non-Detect.

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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