



**Verdad Resources**

**Dean Wagoner**

**1125 17th St Suite 550**

**Denver**

**CO**

**80202**

**April 10, 2025**

**Project Name - County Line 3107**

**Project Number - [none]**

Attached are your analytical results for County Line 3107 received by Origins Laboratory March 26, 2025. This project is associated with Origins project number E5C0926-01.

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

303.433.1322

projectmanager@originslab.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: County Line 3107

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Wall	E5C0926-01	Soil	March 26, 2025 12:20	03/26/2025 14:14
East Wall	E5C0926-02	Soil	March 26, 2025 12:25	03/26/2025 14:14
South Wall	E5C0926-03	Soil	March 26, 2025 12:30	03/26/2025 14:14
West Wall	E5C0926-04	Soil	March 26, 2025 12:35	03/26/2025 14:14
Floor	E5C0926-05	Soil	March 26, 2025 12:40	03/26/2025 14:14

Origins Laboratory



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# ORIGINS LABORATORY

Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

Page 1 of 1  
**ES0926**

**ORIGINS**  
 LABORATORY

Client: Verdad Resources  
 Address: 1125 17th Street Suite 600  
Denver Co. 80202  
 Telephone Number: 770 845 1800  
 Email Address: mcginneth@verdadresources.com

Project Manager: Dean Wagoner  
 Project Name: Adoptive County Line 3107  
 Project Number: \_\_\_\_\_

Key: W=Water  
GW=Groundwater  
SW=Surface Water  
WW=Waste Water  
L=Liquid

Collected by: Dean Wagoner  
 Invoice/Billing info: Wagoner@verdadresources.com

5-Soil | 50-Solid | 0-01 | A-Al | G-Gas | H-Hydrochloric | HNO3-Nitric | H2SO4-Sulfuric | NaOH-Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis	Comments
North wall	3-26-25	12:20	3 Soil	Soil			
East wall	3-26-25	12:05	3 Soil	Soil			
South wall	3-26-25	12:30	3 Soil	Soil			
West wall	3-26-25	12:35	3 Soil	Soil			
Floor	3-26-25	12:40	3 Soil	Soil			

Relinquished By: Dean Wagoner Date: 3-26-25 Time: 14:17

Received By: NKM Date: 03/26/25 Time: 14:17

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Turnaround Time:  SAME DAY  24 Hr  48 Hr  72

Standard

Temp Received: \_\_\_\_\_ Received On Ice?  Yes  No

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# ORIGINS LABORATORY

Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

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

**Sample Receipt Checklist**

Origins Work Order: ESC0926 Client: Verdad Resources  
 Client Project ID: countyline 3107

Checklist Completed by: JAB/sun Shipped Via: HD  
 Date/time completed: 3/26/25 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_

Cooler Number/Temperature: 1/29.4.c (Describe)

Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subsampled analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO <sub>3</sub> , HCl, H <sub>2</sub> SO <sub>4</sub> / (pH >10 for samples preserved with Na <sub>2</sub> O <sup>2</sup> /NaOH, ZnAc <sub>2</sub> ·2H <sub>2</sub> O)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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 03/17/25

Origins Laboratory

[Signature]

Kayla Kenyon For Jen Pellegrini, Project Manager

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Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**North Wall**  
**3/26/2025 12:20:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-01 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>PAH by 3541/8270</b>									
1-Methylnaphthalene	ND	0.00117	0.00356	mg/kg dry	1	2773780	04/01/2025	04/01/2025	U
2-Methylnaphthalene	ND	0.00117	0.00356	"	"	"	"	"	U
Acenaphthene	ND	0.00117	0.00356	"	"	"	"	"	U
Acenaphthylene	ND	0.00117	0.00356	"	"	"	"	"	U
Anthracene	ND	0.00117	0.00356	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00117	0.00356	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00117	0.00356	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00117	0.00356	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00117	0.00356	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00117	0.00356	"	"	"	"	"	U
Chrysene	ND	0.00117	0.00356	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00117	0.00356	"	"	"	"	"	U
Fluoranthene	ND	0.00117	0.00356	"	"	"	"	"	U
Fluorene	ND	0.00117	0.00356	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00117	0.00356	"	"	"	"	"	U
Naphthalene	ND	0.00117	0.00356	"	"	"	"	"	U
Phenanthrene	ND	0.00117	0.00356	"	"	"	"	"	U
Pyrene	ND	0.00117	0.00356	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	59 %			22-135		"	"	"	

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**North Wall**  
**3/26/2025 12:20:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-01 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>Total Metals 7196A</b>									
Hexavalent Chromium	ND	0.144	0.360	mg/kg dry	1	2775194	04/02/2025	04/07/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.185		0.0998	mg/L	1	B5C2823	03/28/2025	04/01/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C2906	03/29/2025	03/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	77.0 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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**North Wall**

**3/26/2025 12:20:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	99.4 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.0 %			70-130		"	"	"	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	1.45		0.499	meq/L	10	[CALC]	04/01/2025	04/04/2025	
Magnesium	0.836		0.823	"	"	"	"	"	
Sodium	1.37		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.24			pH Units	1	B5D0134	04/01/2025	04/03/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.28		0.0100	SAR	1	B5D0130	04/01/2025	04/04/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.405		0.00500	mmhos/cm	1	B5D0134	04/01/2025	04/03/2025	
<b>Table 915 metals by EPA 6020B</b>									

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1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**North Wall**  
**3/26/2025 12:20:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-01 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.28		0.279	mg/kg	10	B5C2763	03/27/2025	03/28/2025	
Barium	84.6		9.61	"	"	"	"	"	
Cadmium	0.105		0.0961	"	"	"	"	"	
Copper	ND		9.61	"	"	"	"	"	Ua
Lead	6.94		0.961	"	"	"	"	"	
Nickel	7.95		0.961	"	"	"	"	"	
Selenium	ND		0.250	"	"	"	"	"	Ua
Silver	ND		0.0961	"	"	"	"	"	Ua
Zinc	ND		35.5	"	"	"	"	"	Ua

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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

### East Wall

3/26/2025 12:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-02 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>PAH by 3541/8270</b>									
1-Methylnaphthalene	ND	0.00117	0.00354	mg/kg dry	1	2773780	04/01/2025	04/02/2025	U
2-Methylnaphthalene	ND	0.00117	0.00354	"	"	"	"	"	U
Acenaphthene	ND	0.00117	0.00354	"	"	"	"	"	U
Acenaphthylene	ND	0.00117	0.00354	"	"	"	"	"	U
Anthracene	ND	0.00117	0.00354	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00117	0.00354	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00117	0.00354	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00117	0.00354	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00117	0.00354	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00117	0.00354	"	"	"	"	"	U
Chrysene	ND	0.00117	0.00354	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00117	0.00354	"	"	"	"	"	U
Fluoranthene	ND	0.00117	0.00354	"	"	"	"	"	U
Fluorene	ND	0.00117	0.00354	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00117	0.00354	"	"	"	"	"	U
Naphthalene	ND	0.00117	0.00354	"	"	"	"	"	U
Phenanthrene	ND	0.00117	0.00354	"	"	"	"	"	U
Pyrene	ND	0.00117	0.00354	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	72 %				22-135	"	"	"	

Origins Laboratory



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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

### East Wall

3/26/2025 12:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-02 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>Total Metals 7196A</b>									
Hexavalent Chromium	ND	0.118	0.296	mg/kg dry	1	2775194	04/02/2025	04/07/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.207		0.0999	mg/L	1	B5C2823	03/28/2025	04/01/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C2906	03/29/2025	03/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	81.9 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

### East Wall

3/26/2025 12:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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### E5C0926-02 (Soil) Origins Laboratory

#### GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	101 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.1 %			70-130		"	"	"	

#### Metals by Saturated Paste by EPA 6010

Calcium	1.55		0.499	meq/L	10	[CALC]	04/01/2025	04/04/2025	
Magnesium	0.872		0.823	"	"	"	"	"	
Sodium	1.65		0.435	"	"	"	"	"	

#### pH in Soil by 9045D

pH	8.26			pH Units	1	B5D0134	04/01/2025	04/03/2025	
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#### SAR by 20B Saturated Paste

SAR	1.50		0.0100	SAR	1	B5D0130	04/01/2025	04/04/2025	
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#### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.467		0.00500	mmhos/cm	1	B5D0134	04/01/2025	04/03/2025	
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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: County Line 3107

**East Wall**

**3/26/2025 12:25:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-02 (Soil)  
Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.09		0.258	mg/kg	10	B5C2763	03/27/2025	03/28/2025	
Barium	76.0		8.90	"	"	"	"	"	
Cadmium	0.0907		0.0890	"	"	"	"	"	
Copper	ND		8.90	"	"	"	"	"	Ua
Lead	6.39		0.890	"	"	"	"	"	
Nickel	7.34		0.890	"	"	"	"	"	
Selenium	ND		0.231	"	"	"	"	"	Ua
Silver	ND		0.0890	"	"	"	"	"	Ua
Zinc	ND		32.9	"	"	"	"	"	Ua

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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**South Wall**  
**3/26/2025 12:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-03 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>PAH by 3541/8270</b>									
1-Methylnaphthalene	ND	0.00116	0.00350	mg/kg dry	1	2773780	04/01/2025	04/02/2025	U
2-Methylnaphthalene	ND	0.00116	0.00350	"	"	"	"	"	U
Acenaphthene	ND	0.00116	0.00350	"	"	"	"	"	U
Acenaphthylene	ND	0.00116	0.00350	"	"	"	"	"	U
Anthracene	ND	0.00116	0.00350	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00116	0.00350	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00116	0.00350	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00116	0.00350	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00116	0.00350	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00116	0.00350	"	"	"	"	"	U
Chrysene	ND	0.00116	0.00350	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00116	0.00350	"	"	"	"	"	U
Fluoranthene	ND	0.00116	0.00350	"	"	"	"	"	U
Fluorene	ND	0.00116	0.00350	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00116	0.00350	"	"	"	"	"	U
Naphthalene	ND	0.00116	0.00350	"	"	"	"	"	U
Phenanthrene	ND	0.00116	0.00350	"	"	"	"	"	U
Pyrene	ND	0.00116	0.00350	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	58 %			22-135		"	"	"	

Origins Laboratory



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1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**South Wall**  
**3/26/2025 12:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-03 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>Total Metals 7196A</b>									
Hexavalent Chromium	ND	0.154	0.385	mg/kg dry	1	2775194	04/02/2025	04/07/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.196		0.100	mg/L	1	B5C2823	03/28/2025	04/01/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C2906	03/29/2025	03/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	82.6 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

Origins Laboratory



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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## South Wall

3/26/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-03 (Soil) Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	101 %			70-130		"	"	"	
Surrogate: Toluene-d8	94.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	88.4 %			70-130		"	"	"	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	1.64		0.499	meq/L	10	[CALC]	04/01/2025	04/04/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.31		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.23			pH Units	1	B5D0134	04/01/2025	04/03/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.19		0.0100	SAR	1	B5D0130	04/01/2025	04/04/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.430		0.00500	mmhos/cm	1	B5D0134	04/01/2025	04/03/2025	
<b>Table 915 metals by EPA 6020B</b>									

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Kayla Kenyon For Jen Pellegrini, Project Manager

Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**South Wall**  
**3/26/2025 12:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-03 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.31		0.254	mg/kg	10	B5C2763	03/27/2025	03/28/2025	
Barium	88.7		8.75	"	"	"	"	"	
Cadmium	0.0945		0.0875	"	"	"	"	"	
Copper	ND		8.75	"	"	"	"	"	Ua
Lead	6.64		0.875	"	"	"	"	"	
Nickel	7.95		0.875	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	Ua
Silver	ND		0.0875	"	"	"	"	"	Ua
Zinc	ND		32.4	"	"	"	"	"	Ua

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 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**West Wall**  
**3/26/2025 12:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-04 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>PAH by 3541/8270</b>									
1-Methylnaphthalene	ND	0.00117	0.00355	mg/kg dry	1	2773780	04/01/2025	04/02/2025	U
2-Methylnaphthalene	ND	0.00117	0.00355	"	"	"	"	"	U
Acenaphthene	ND	0.00117	0.00355	"	"	"	"	"	U
Acenaphthylene	ND	0.00117	0.00355	"	"	"	"	"	U
Anthracene	ND	0.00117	0.00355	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00117	0.00355	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00117	0.00355	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00117	0.00355	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00117	0.00355	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00117	0.00355	"	"	"	"	"	U
Chrysene	ND	0.00117	0.00355	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00117	0.00355	"	"	"	"	"	U
Fluoranthene	ND	0.00117	0.00355	"	"	"	"	"	U
Fluorene	ND	0.00117	0.00355	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00117	0.00355	"	"	"	"	"	U
Naphthalene	ND	0.00117	0.00355	"	"	"	"	"	U
Phenanthrene	ND	0.00117	0.00355	"	"	"	"	"	U
Pyrene	ND	0.00117	0.00355	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	60 %			22-135		"	"	"	

Origins Laboratory



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Kayla Kenyon For Jen Pellegrini, Project Manager

Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**West Wall**  
**3/26/2025 12:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-04 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>Total Metals 7196A</b>									
Hexavalent Chromium	ND	0.133	0.334	mg/kg dry	1	2775194	04/02/2025	04/07/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.214		0.100	mg/L	1	B5C2823	03/28/2025	04/01/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C2906	03/29/2025	03/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	85.4 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

Origins Laboratory



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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**West Wall**  
**3/26/2025 12:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-04 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	99.0 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.6 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.85		0.499	meq/L	10	[CALC]	04/01/2025	04/04/2025	
Magnesium	0.899		0.823	"	"	"	"	"	
Sodium	1.72		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.24			pH Units	1	B5D0134	04/01/2025	04/03/2025	
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**SAR by 20B Saturated Paste**

SAR	1.47		0.0100	SAR	1	B5D0130	04/01/2025	04/04/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.506		0.00500	mmhos/cm	1	B5D0134	04/01/2025	04/03/2025	
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**Table 915 metals by EPA 6020B**

Origins Laboratory



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Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**West Wall**  
**3/26/2025 12:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-04 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.09		0.274	mg/kg	10	B5C2763	03/27/2025	03/28/2025	
Barium	69.4		9.44	"	"	"	"	"	
Cadmium	ND		0.0944	"	"	"	"	"	Ua
Copper	ND		9.44	"	"	"	"	"	Ua
Lead	6.34		0.944	"	"	"	"	"	
Nickel	6.98		0.944	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	Ua
Silver	ND		0.0944	"	"	"	"	"	Ua
Zinc	ND		34.9	"	"	"	"	"	Ua

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Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**Floor**  
**3/26/2025 12:40:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-05 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>PAH by 3541/8270</b>									
1-Methylnaphthalene	ND	0.00116	0.00351	mg/kg dry	1	2773780	04/01/2025	04/02/2025	U
2-Methylnaphthalene	ND	0.00116	0.00351	"	"	"	"	"	U
Acenaphthene	ND	0.00116	0.00351	"	"	"	"	"	U
Acenaphthylene	ND	0.00116	0.00351	"	"	"	"	"	U
Anthracene	ND	0.00116	0.00351	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00116	0.00351	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00116	0.00351	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00116	0.00351	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00116	0.00351	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00116	0.00351	"	"	"	"	"	U
Chrysene	ND	0.00116	0.00351	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00116	0.00351	"	"	"	"	"	U
Fluoranthene	ND	0.00116	0.00351	"	"	"	"	"	U
Fluorene	ND	0.00116	0.00351	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00116	0.00351	"	"	"	"	"	U
Naphthalene	ND	0.00116	0.00351	"	"	"	"	"	U
Phenanthrene	ND	0.00116	0.00351	"	"	"	"	"	U
Pyrene	ND	0.00116	0.00351	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	48 %				22-135	"	"	"	

Origins Laboratory



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Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

Floor  
 3/26/2025 12:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-05 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>Total Metals 7196A</b>									
Hexavalent Chromium	ND	0.125	0.313	mg/kg dry	1	2775194	04/02/2025	04/07/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.226		0.100	mg/L	1	B5C2823	03/28/2025	04/01/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C2906	03/29/2025	03/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	84.2 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

Origins Laboratory



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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

**Floor**

**3/26/2025 12:40:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0926-05 (Soil)  
Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5C2727	03/27/2025	03/28/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	101 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	87.3 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.83		0.499	meq/L	10	[CALC]	04/01/2025	04/04/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.62		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.22			pH Units	1	B5D0134	04/01/2025	04/03/2025	
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**SAR by 20B Saturated Paste**

SAR	1.40		0.0100	SAR	1	B5D0130	04/01/2025	04/04/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.491		0.00500	mmhos/cm	1	B5D0134	04/01/2025	04/03/2025	
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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: County Line 3107

Floor  
3/26/2025 12:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0926-05 (Soil) Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.39		0.250	mg/kg	10	B5C2763	03/27/2025	03/28/2025	
Barium	110		8.62	"	"	"	"	"	
Cadmium	0.102		0.0862	"	"	"	"	"	
Copper	ND		8.62	"	"	"	"	"	Ua
Lead	6.60		0.862	"	"	"	"	"	
Nickel	8.25		0.862	"	"	"	"	"	
Selenium	ND		0.224	"	"	"	"	"	Ua
Silver	ND		0.0862	"	"	"	"	"	Ua
Zinc	ND		31.9	"	"	"	"	"	Ua

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 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5C2823 - DTPA Sorbitol Preparation**

**Blank (B5C2823-BLK1)**

Prepared: 03/28/2025 Analyzed: 04/01/2025

Boron	ND	0.100	mg/L							Ua
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**Duplicate (B5C2823-DUP1)**

**Source: E5C0926-01**

Prepared: 03/28/2025 Analyzed: 04/01/2025

Boron	0.166	0.100	mg/L		0.185			10.8	50	
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**Batch B5D0130 - Saturated Paste Metals**

**Blank (B5D0130-BLK1)**

Prepared: 04/01/2025 Analyzed: 04/04/2025

SAR	ND	0.0100	SAR							Ua
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**Duplicate (B5D0130-DUP1)**

**Source: E5C0920-01**

Prepared: 04/01/2025 Analyzed: 04/04/2025

SAR	ND	0.0100	SAR		0.192				200	Ua
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Origins Laboratory

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Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5C2906 - EPA 3550B**

**Blank (B5C2906-BLK1)**

Prepared: 03/29/2025 Analyzed: 03/31/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		91.6	50-150			

**LCS (B5C2906-BS1)**

Prepared: 03/29/2025 Analyzed: 03/31/2025

Diesel (C10-C28)	878	50.0	mg/kg	1000		87.8	70-130			
Residual Range Organics (C28-C40)	843	200	"	1000		84.3	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

**Matrix Spike (B5C2906-MS1)**

**Source: E5C0926-01**

Prepared: 03/29/2025 Analyzed: 03/31/2025

Diesel (C10-C28)	890	50.0	mg/kg	1000	ND	89.0	70-130			
Residual Range Organics (C28-C40)	842	200	"	1000	ND	84.2	70-130			
Surrogate: o-Terphenyl	36		"	49.8		72.3	50-150			

**Matrix Spike Dup (B5C2906-MSD1)**

**Source: E5C0926-01**

Prepared: 03/29/2025 Analyzed: 03/31/2025

Diesel (C10-C28)	952	50.0	mg/kg	1000	ND	95.2	70-130	6.75	35	
Residual Range Organics (C28-C40)	921	200	"	1000	ND	92.1	70-130	9.00	35	
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

Origins Laboratory



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 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5C2763 - EPA 3050B**

**Blank (B5C2763-BLK1)**

Prepared: 03/27/2025 Analyzed: 03/28/2025

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua
Copper	ND	10.0	"							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

**LCS (B5C2763-BS1)**

Prepared: 03/27/2025 Analyzed: 03/28/2025

Arsenic	5.02	0.290	mg/kg	5.00		100	80-120			
Barium	524	10.0	"	500		105	80-120			
Cadmium	5.03	0.100	"	5.00		101	80-120			
Copper	50.3	10.0	"	50.0		101	80-120			
Lead	4.93	1.00	"	5.00		98.5	80-120			
Nickel	5.36	1.00	"	5.00		107	80-120			
Selenium	5.51	0.260	"	5.00		110	80-120			
Silver	5.18	0.100	"	5.00		104	80-120			
Zinc	50.0	37.0	"	50.0		100	80-120			

**Matrix Spike (B5C2763-MS1)**

**Source: E5C0926-01**

Prepared: 03/27/2025 Analyzed: 03/28/2025

Arsenic	7.91	0.287	mg/kg	4.95	3.28	93.6	75-125			
Barium	627	9.90	"	495	84.6	110	75-125			
Cadmium	5.29	0.0990	"	4.95	0.105	105	75-125			
Copper	58.1	9.90	"	49.5	6.27	105	75-125			
Lead	11.5	0.990	"	4.95	6.94	91.3	75-125			

Origins Laboratory

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Verdad Resources  
 1125 17th St Suite 550  
 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5C2763 - EPA 3050B**

**Matrix Spike (B5C2763-MS1)**

**Source: E5C0926-01**

Prepared: 03/27/2025 Analyzed: 03/28/2025

Nickel	12.2	0.990	mg/kg	4.95	7.95	86.6	75-125			
Selenium	5.60	0.257	"	4.95	0.165	110	75-125			
Silver	5.42	0.0990	"	4.95	0.0240	109	75-125			
Zinc	78.5	36.6	"	49.5	30.7	96.5	75-125			

**Matrix Spike Dup (B5C2763-MSD1)**

**Source: E5C0926-01**

Prepared: 03/27/2025 Analyzed: 03/28/2025

Arsenic	8.22	0.269	mg/kg	4.64	3.28	106	75-125	3.78	20	
Barium	643	9.29	"	464	84.6	120	75-125	2.55	20	
Cadmium	5.35	0.0929	"	4.64	0.105	113	75-125	1.00	20	
Copper	58.8	9.29	"	46.4	6.27	113	75-125	1.24	20	
Lead	12.1	0.929	"	4.64	6.94	111	75-125	5.54	20	
Nickel	13.3	0.929	"	4.64	7.95	114	75-125	8.01	20	
Selenium	5.61	0.241	"	4.64	0.165	117	75-125	0.0982	20	
Silver	5.34	0.0929	"	4.64	0.0240	115	75-125	1.34	20	
Zinc	79.9	34.4	"	46.4	30.7	106	75-125	1.80	20	

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Kayla Kenyon For Jen Pellegrini, Project Manager



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 Denver CO 80202

Dean Wagoner  
 Project Number: [none]  
 Project: County Line 3107

**Saturated Paste - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5D0134 - Saturated Paste pH/EC**

**Blank (B5D0134-BLK1)**

Prepared: 04/01/2025 Analyzed: 04/03/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
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**Duplicate (B5D0134-DUP1)**

**Source: E5C0920-01**

Prepared: 04/01/2025 Analyzed: 04/03/2025

Specific Conductance (EC)	0.385	0.00500	mmhos/cm		0.392			1.83	25	
pH	9.72		pH Units		9.64			0.826	25	

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Kayla Kenyon For Jen Pellegrini, Project Manager

Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B5C2727 - EPA 5030 (soil)

#### Blank (B5C2727-BLK1)

Prepared: 03/27/2025 Analyzed: 03/27/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.4	70-130			

#### LCS (B5C2727-BS1)

Prepared: 03/27/2025 Analyzed: 03/27/2025

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.118	0.00200	"	0.100		118	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Toluene	0.111	0.00200	"	0.100		111	70-130			
o-Xylene	0.0977	0.00200	"	0.100		97.7	70-130			
m,p-Xylene	0.212	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125		82.2	70-130			

#### Matrix Spike (B5C2727-MS1)

Source: E5C0911-01

Prepared: 03/27/2025 Analyzed: 03/27/2025

1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg	0.100	ND	100	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.111	0.00200	"	0.100	ND	111	70-130			

Origins Laboratory



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Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B5C2727 - EPA 5030 (soil)

#### Matrix Spike (B5C2727-MS1)

Source: E5C0911-01

Prepared: 03/27/2025 Analyzed: 03/27/2025

Ethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
Toluene	0.107	0.00200	"	0.100	ND	107	70-130			
o-Xylene	0.0982	0.00200	"	0.100	ND	98.2	70-130			
m,p-Xylene	0.214	0.00400	"	0.200	ND	107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125		84.0	70-130			

#### Matrix Spike Dup (B5C2727-MSD1)

Source: E5C0911-01

Prepared: 03/27/2025 Analyzed: 03/27/2025

1,2,4-Trimethylbenzene	0.0934	0.00200	mg/kg	0.100	ND	93.4	70-130	7.05	20	
1,3,5-Trimethylbenzene	0.0928	0.00200	"	0.100	ND	92.8	70-130	8.58	20	
Benzene	0.112	0.00200	"	0.100	ND	112	70-130	0.664	20	
Ethylbenzene	0.0914	0.00200	"	0.100	ND	91.4	70-130	11.5	20	
Toluene	0.103	0.00200	"	0.100	ND	103	70-130	4.06	20	
o-Xylene	0.0896	0.00200	"	0.100	ND	89.6	70-130	9.12	20	
m,p-Xylene	0.192	0.00400	"	0.200	ND	95.8	70-130	11.3	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125		80.0	70-130			

Origins Laboratory



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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## PAH by 3541/8270 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2773780 - SW846 3541

**BLANK (1206054243-BLK)**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Acenaphthylene	ND	0.00326	mg/kg	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00326	"	-	-	-	-	-	-	U
2-Methylnaphthalene	ND	0.00326	"	-	-	-	-	-	-	U
Indeno(1,2,3-cd)pyrene	ND	0.00326	"	-	-	-	-	-	-	U
Pyrene	ND	0.00326	"	-	-	-	-	-	-	U
Naphthalene	ND	0.00326	"	-	-	-	-	-	-	U
Fluorene	ND	0.00326	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00326	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00326	"	-	-	-	-	-	-	U
Chrysene	ND	0.00326	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00326	"	-	-	-	-	-	-	U
Benzo(ghi)perylene	ND	0.00326	"	-	-	-	-	-	-	U
Benzo(b)fluoranthene	ND	0.00326	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00326	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00326	"	-	-	-	-	-	-	U
Anthracene	ND	0.00326	"	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00326	"	-	-	-	-	-	-	U
Phenanthrene	ND	0.00326	"	-	-	-	-	-	-	U

Surrogate: 5-alpha-Androstane

0.134

"

0.163

82

22-135

**LCS (1206054244-BKS)**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Chrysene	0.260	0.00329	mg/kg	0.329	79	42-117
Dibenzo(a,h)anthracene	0.260	0.00329	"	0.329	79	38-132
Fluoranthene	0.246	0.00329	"	0.329	75	39-119
Fluorene	0.233	0.00329	"	0.329	71	37-115
Indeno(1,2,3-cd)pyrene	0.252	0.00329	"	0.329	77	38-133
Naphthalene	0.222	0.00329	"	0.329	67	38-109

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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## PAH by 3541/8270 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2773780 - SW846 3541**

**LCS (1206054244-BKS)**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Pyrene	0.247	0.00329	mg/kg	0.329		75	38-117			
Benzo(k)fluoranthene	0.228	0.00329	"	0.329		69	40-122			
Anthracene	0.252	0.00329	"	0.329		77	41-117			
Phenanthrene	0.240	0.00329	"	0.329		73	42-113			
2-Methylnaphthalene	0.218	0.00329	"	0.329		66	39-110			
Benzo(b)fluoranthene	0.243	0.00329	"	0.329		74	39-123			
Benzo(a)anthracene	0.253	0.00329	"	0.329		77	42-120			
Acenaphthylene	0.238	0.00329	"	0.329		73	39-119			
Acenaphthene	0.232	0.00329	"	0.329		71	41-112			
Benzo(ghi)perylene	0.252	0.00329	"	0.329		76	35-120			
Benzo(a)pyrene	0.255	0.00329	"	0.329		78	39-127			
1-Methylnaphthalene	0.215	0.00329	"	0.329		65	39-109			

Surrogate: 5-alpha-Androstane

0.144

0.164

87

22-135

**LCSD (1206054245-BKSD)**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Benzo(k)fluoranthene	0.209	0.00332	mg/kg	0.332		63	40-122	9	30	
Chrysene	0.235	0.00332	"	0.332		71	42-117	10	30	
Dibenzo(a,h)anthracene	0.232	0.00332	"	0.332		70	38-132	12	30	
Pyrene	0.221	0.00332	"	0.332		67	38-117	11	30	
Fluorene	0.211	0.00332	"	0.332		63	37-115	10	30	
Phenanthrene	0.215	0.00332	"	0.332		65	42-113	11	30	
Fluoranthene	0.219	0.00332	"	0.332		66	39-119	12	30	
Benzo(ghi)perylene	0.224	0.00332	"	0.332		67	35-120	12	30	
Naphthalene	0.197	0.00332	"	0.332		59	38-109	12	30	
1-Methylnaphthalene	0.191	0.00332	"	0.332		58	39-109	12	30	
Benzo(b)fluoranthene	0.213	0.00332	"	0.332		64	39-123	13	30	
Indeno(1,2,3-cd)pyrene	0.225	0.00332	"	0.332		68	38-133	11	30	

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1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## PAH by 3541/8270 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2773780 - SW846 3541

### LCSD (1206054245-BKSD)

Prepared: 04/01/2025 Analyzed: 04/01/2025

2-Methylnaphthalene	0.193	0.00332	mg/kg	0.332		58	39-110	12	30	
Acenaphthene	0.207	0.00332	"	0.332		62	41-112	12	30	
Acenaphthylene	0.215	0.00332	"	0.332		65	39-119	11	30	
Anthracene	0.226	0.00332	"	0.332		68	41-117	11	30	
Benzo(a)anthracene	0.229	0.00332	"	0.332		69	42-120	10	30	
Benzo(a)pyrene	0.229	0.00332	"	0.332		69	39-127	11	30	
Surrogate: 5-alpha-Androstane	0.123		"	0.166		74	22-135			

### MS (1206054246 S)

Source: 716192001

Prepared: 04/01/2025 Analyzed: 04/01/2025

Naphthalene	0.126	0.00389	mg/kg dry	0.389	<0.00129	32	16-126			
Benzo(ghi)perylene	0.150	0.00389	"	0.389	<0.00129	38	10-128			
Indeno(1,2,3-cd)pyrene	0.153	0.00389	"	0.389	<0.00129	39	13-134			
Fluorene	0.134	0.00389	"	0.389	<0.00129	34	16-134			
Fluoranthene	0.151	0.00389	"	0.389	<0.00129	39	14-136			
Dibenzo(a,h)anthracene	0.154	0.00389	"	0.389	<0.00129	39	11-134			
Chrysene	0.159	0.00389	"	0.389	<0.00129	41	19-129			
Benzo(k)fluoranthene	0.143	0.00389	"	0.389	<0.00129	37	18-138			
Phenanthrene	0.141	0.00389	"	0.389	<0.00129	36	16-132			
Benzo(a)pyrene	0.157	0.00389	"	0.389	<0.00129	40	16-133			
Benzo(a)anthracene	0.155	0.00389	"	0.389	<0.00129	40	20-132			
Anthracene	0.148	0.00389	"	0.389	<0.00129	38	18-136			
Acenaphthylene	0.140	0.00389	"	0.389	<0.00129	36	18-134			
Acenaphthene	0.130	0.00389	"	0.389	<0.00129	33	17-129			
2-Methylnaphthalene	0.126	0.00389	"	0.389	<0.00129	32	15-132			
1-Methylnaphthalene	0.123	0.00389	"	0.389	<0.00129	32	15-129			
Benzo(b)fluoranthene	0.149	0.00389	"	0.389	<0.00129	38	14-136			
Pyrene	0.153	0.00389	"	0.389	<0.00129	39	12-139			

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Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

## PAH by 3541/8270 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2773780 - SW846 3541**

**MS (1206054246 S)**

**Source: 716192001**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Surrogate: 5-alpha-Androstane	0.0810	mg/kg dry	0.195	0.110	42	22-135
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**MSD (1206054247 SD)**

**Source: 716192001**

Prepared: 04/01/2025 Analyzed: 04/01/2025

Pyrene	0.187	0.00392	mg/kg dry	0.392	<0.00129	48	12-139	20	30	
Benzo(k)fluoranthene	0.171	0.00392	"	0.392	<0.00129	44	18-138	18	30	
Chrysene	0.194	0.00392	"	0.392	<0.00129	50	19-129	20	30	
Dibenzo(a,h)anthracene	0.191	0.00392	"	0.392	<0.00129	49	11-134	22	30	
Fluoranthene	0.185	0.00392	"	0.392	<0.00129	47	14-136	20	30	
Fluorene	0.178	0.00392	"	0.392	<0.00129	45	16-134	28	30	
Indeno(1,2,3-cd)pyrene	0.186	0.00392	"	0.392	<0.00129	47	13-134	20	30	
Phenanthrene	0.178	0.00392	"	0.392	<0.00129	45	16-132	24	30	
Benzo(a)pyrene	0.191	0.00392	"	0.392	<0.00129	49	16-133	19	30	
Naphthalene	0.168	0.00392	"	0.392	<0.00129	43	16-126	29	30	
1-Methylnaphthalene	0.165	0.00392	"	0.392	<0.00129	42	15-129	29	30	
Benzo(a)anthracene	0.188	0.00392	"	0.392	<0.00129	48	20-132	19	30	
Anthracene	0.189	0.00392	"	0.392	<0.00129	48	18-136	24	30	
Acenaphthylene	0.185	0.00392	"	0.392	<0.00129	47	18-134	28	30	
Acenaphthene	0.174	0.00392	"	0.392	<0.00129	45	17-129	29	30	
2-Methylnaphthalene	0.167	0.00392	"	0.392	<0.00129	43	15-132	28	30	
Benzo(b)fluoranthene	0.180	0.00392	"	0.392	<0.00129	46	14-136	18	30	
Benzo(ghi)perylene	0.185	0.00392	"	0.392	<0.00129	47	10-128	21	30	

Surrogate: 5-alpha-Androstane	0.0988	"	0.196	0.110	50	22-135
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Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: County Line 3107

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2775194 - SW846 3060A**

Prepared: 04/02/2025 Analyzed: 04/07/2025

**BLANK (1206057338-BLK)**

Hexavalent Chromium	ND	0.297	mg/kg				-			U
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**LCS (1206057339-BKS)**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	3.12	0.316	mg/kg	3.16		98.9	80-120			
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**DUP (1206057340 D)**

**Source: E5C0926-01**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	ND	0.359	mg/kg dry		<0.144		0-50	N/A	50	U
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**MS (1206057341 S)**

**Source: E5C0926-01**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	2.01	0.359	mg/kg dry	3.59	<0.144	56	75-125			
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**DUP (1206057342 D)**

**Source: E5C0926-02**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	ND	0.296	mg/kg dry		<0.118		0-50	N/A	50	U
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**MS (1206057343 S)**

**Source: E5C0926-02**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	1.46	0.296	mg/kg dry	2.96	<0.118	48.3	75-125			
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**ILCS (1206057344-ILCS)**

Prepared: 04/02/2025 Analyzed: 04/07/2025

Hexavalent Chromium	5.47	0.259	mg/kg	5.36		102	80-120			
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Origins Laboratory



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: County Line 3107

## Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection 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.

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager