



March 28, 2024

**Verdad Resources**

**Dean Wagoner**

**1125 17th St Suite 550**

**Denver**

**CO 80202**

**Project Name - Peggy 2525**

**Project Number - [none]**

Attached are your analytical results for Peggy 2525 received by Origins Laboratory, Inc. March 07, 2024. This project is associated with Origins project number Y403179-01.

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: Peggy 2525

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sample #1	Y403179-01	Soil	March 6, 2024 14:20	03/07/2024 10:23
Sample #2	Y403179-02	Soil	March 6, 2024 14:55	03/07/2024 10:23
Sample #7	Y403179-03	Soil	March 6, 2024 15:15	03/07/2024 10:23
Sample #9	Y403179-04	Soil	March 6, 2024 15:40	03/07/2024 10:23
Sample #11	Y403179-05	Soil	March 6, 2024 16:25	03/07/2024 10:23

Origins Laboratory, Inc.



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Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: Peggy 2525

# ORIGINS

LABORATORY, INC

www.originslaboratory.com

4403174

page 1 of 1

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

Project Manager: Dean Wagoner  
Project Name: Peggy 2525  
Project Number: \_\_\_\_\_  
Samples Collected By: Dean Wagoner  
dwagoner@verdadresources.com

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	AS	BS		
Sample #1	3/1/24	2:20pm	3					X							
Sample #2	3/6/24	2:55pm						X							
Sample #7	3/6/24	3:15pm						X							
Sample #9	3/6/24	3:40pm						X							
Sample #11	3/6/24	4:25pm						X							
Relinquished By: <u>Dean Wagoner</u>	Date: <u>3/7/24</u>	Time: <u>10:23</u>		Received By: <u>[Signature]</u>	Date: <u>3/7/24</u>	Time: <u>10:23</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							
Relinquished By: _____	Date: _____	Time: _____		Received By: _____	Date: _____	Time: _____									

Temp Received- 7 Date Results Needed \_\_\_\_\_

Origins Laboratory, Inc.

*J. Bynon*

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CO

80202

Dean Wagoner

Project Number: [none]

Project: Peggy 2525

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 440279

Client: Verdad

Client Project ID: Peggy 2525

Checklist Completed by: JW/ELS

Date/time completed: 3/7/14

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

Airbill #: N/A

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

Cooler Number/Temperature: 1,7 °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 <sup>(1)</sup> ?		<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 <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 (> 1/4 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 subcontracted 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 NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<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: JW (Project Manager)

Date/Time Reviewed: 3/8/14

Origins Laboratory, Inc.

*J. Bynon*

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Verdad Resources  
1125 17th St Suite 550  
Denver CO 80202

Dean Wagoner  
Project Number: [none]  
Project: Peggy 2525

### Sample #1

3/6/2024 2:20:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

### Origins Laboratory, Inc. Y403179-01 (Soil)

#### Metals by Saturated Paste by EPA 6010

Calcium	7.02	0.499	meq/L	10	[CALC]	ACC	03/18/2024	03/19/2024
Magnesium	1.69	0.823	"	"	"	ACC	"	"
Sodium	3.47	0.435	"	"	"	ACC	"	"

#### SAR by 20B Saturated Paste

SAR	1.66	0.0100	SAR	1	B4C1802	ACC	"	"
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Project: Peggy 2525

## Sample #2

3/6/2024 2:55:00PM

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

Y403179-02 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	5.19	0.499	meq/L	10	[CALC]	ACC	03/18/2024	03/19/2024
Magnesium	1.35	0.823	"	"	"	ACC	"	"
Sodium	3.33	0.435	"	"	"	ACC	"	"

### SAR by 20B Saturated Paste

SAR	1.84	0.0100	SAR	1	B4C1802	ACC	"	"
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**Sample #7**

**3/6/2024 3:15:00PM**

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

**Origins Laboratory, Inc.**

**Y403179-03 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	3.60	0.288	mg/kg	10	B4C1534	HJD	03/15/2024	03/27/2024
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Origins Laboratory, Inc.



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Project Number: [none]

Project: Peggy 2525

**Sample #9**

**3/6/2024 3:40:00PM**

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

**Origins Laboratory, Inc.**

**Y403179-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.823	0.0988	mg/L	1	B4C1803	DT	03/18/2024	03/20/2024
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Origins Laboratory, Inc.



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Project: Peggy 2525

## Sample #11

3/6/2024 4:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y403179-05 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	4.56	0.499	meq/L	10	[CALC]	ACC	03/18/2024	03/19/2024
Magnesium	1.10	0.823	"	"	"	ACC	"	"
Sodium	2.72	0.435	"	"	"	ACC	"	"

### SAR by 20B Saturated Paste

SAR	1.62	0.0100	SAR	1	B4C1802	ACC	"	"
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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
Batch B4C1534 - EPA 3050B										
Blank (B4C1534-BLK1)					Prepared: 03/15/2024 Analyzed: 03/27/2024					
Arsenic	ND	0.290	mg/kg							
LCS (B4C1534-BS1)					Prepared: 03/15/2024 Analyzed: 03/27/2024					
Arsenic	5.06	0.290	mg/kg	5.00		101	80-120			
Matrix Spike (B4C1534-MS1)		Source: Y403418-05			Prepared: 03/15/2024 Analyzed: 03/27/2024					
Arsenic	7.86	0.268	mg/kg	4.63	3.87	86.2	75-125			
Matrix Spike Dup (B4C1534-MSD1)		Source: Y403418-05			Prepared: 03/15/2024 Analyzed: 03/27/2024					
Arsenic	8.55	0.261	mg/kg	4.50	3.87	104	75-125	8.47	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 B4C1802 - Saturated Paste Metals

#### Blank (B4C1802-BLK1)

Prepared: 03/18/2024 Analyzed: 03/19/2024

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

#### Duplicate (B4C1802-DUP1)

Source: Y403435-01

Prepared: 03/18/2024 Analyzed: 03/19/2024

SAR	ND	0.0100	SAR	44.9		200
Calcium PPM	15.6	10.0	mg/L	14.7	6.40	50
Magnesium PPM	2.32	10.0	"	1.99	15.3	50
Sodium PPM	690	10.0	"	691	0.114	50

### Batch B4C1803 - DTPA Sorbitol Preparation

#### Blank (B4C1803-BLK1)

Prepared: 03/18/2024 Analyzed: 03/20/2024

Boron	ND	0.100	mg/L
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#### Duplicate (B4C1803-DUP1)

Source: Y402302-03

Prepared: 03/18/2024 Analyzed: 03/20/2024

Boron	1.15	0.0990	mg/L	1.26	9.74	50
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### Notes and Definitions

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.



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