

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



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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Verdad Resources
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 Denver 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

Shipped Via: TUD

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

Date/time completed: 3/7/14

Airbill #: N/A

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

Cooler Number/Temperature: L7 °C / _____ °C / _____ °C (Describe)

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⁾ ?		X		
Is there ice present (document if blue ice is used)	X			
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.

Reviewed by: JW (Project Manager)

5/8/14
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

Sample #1

3/6/2024 2:20:00PM

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



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

Sample #2

3/6/2024 2:55:00PM

Analyte	Result	Reporting 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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Origins Laboratory, Inc.



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

Sample #7

3/6/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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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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Verdad Resources
1125 17th St Suite 550
Denver CO 80202

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

Sample #9

3/6/2024 3:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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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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Verdad Resources
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Dean Wagoner
 Project Number: [none]
 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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Dean Wagoner
 Project Number: [none]
 Project: Peggy 2525

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

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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Project: Peggy 2525

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.

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