



Eagle Environmental Consulting, LLC

March 26, 2025

David Castro

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - UPRR 1-1

Project Number - -

Attached are your analytical results for UPRR 1-1 received by Origins Laboratory February 20, 2025. This project is associated with Origins project number E5B0518-01.

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



Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

David Castro
Project Number: -
Project: UPRR 1-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-01@0.5'	E5B0518-01	Soil	February 20, 2025 11:40	02/20/2025 16:41
BG-01@4'	E5B0518-02	Soil	February 20, 2025 11:50	02/20/2025 16:41
BG-03@0.5'	E5B0518-03	Soil	February 20, 2025 12:00	02/20/2025 16:41
BG-03@4'	E5B0518-04	Soil	February 20, 2025 12:10	02/20/2025 16:41
BG-04@0.5'	E5B0518-05	Soil	February 20, 2025 12:15	02/20/2025 16:41
BG-04@4'	E5B0518-06	Soil	February 20, 2025 12:25	02/20/2025 16:41
BG-05@0.5'	E5B0518-07	Soil	February 20, 2025 12:30	02/20/2025 16:41
BG-05@4'	E5B0518-08	Soil	February 20, 2025 12:40	02/20/2025 16:41

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.

ORIGINS LABORATORY

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

David Castro
Project Number: -
Project: UPRR 1-1

ORIGINS
LABORATORY

ES00518

Page 1 of 2

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis			Comments
						1	2	3	
RG-0105'	11/15	11:40	2	S	NP				
RG-0104'									
RG-0300S'		1:00							
RG-0104'		1:10							
RG-0105'		1:15							
RG-0104'		1:25							
RG-0500S'		1:30							
RF-0501'		1:40							

Requisitioned By: <i>[Signature]</i>	Date: 11/15	Time: 6:01	Received By: VS	Date: 11/18	Time: 6:1
Requisitioned By: <i>[Signature]</i>	Date:	Time:	Received By:	Date:	Time:

Turnaround Time
 48 Hr 72
 SAME DAY 24 Hr
 Standard

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Telephone Number: 303-453-4444
 Email Address: David.Castro@EagleEC.com
 Project Manager: David Castro
 Project Name: UPRR 1-1
 Project Number: ES00518
 Collected By: VS
 Invoice/Billing Info: Bill to Client
 S-Sol | SP-Solid | O-Oil | A-Air | L-Liquids | H-Hydrochloric | HNO3-Nitric | H2SO4-Sulfuric | NaOH-Sodium Hydroxide
 W-Water
 SW-Surface Water
 WW-Waste Water
 L-Liquid

Origins Laboratory
[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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

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

Sample Receipt Checklist

Origins Work Order: ES20518 Client: Eagle

Checklist Completed by: SAB/ Shipped Project ID: UPRR 1-1

Date/time completed: 2/20/25 Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Cooler Number/Temperature: 1 / 0.6 °C / _____ °C / _____ °C / _____ °C

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 ⁽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 subcooled analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaOH, NaOH, ZrAc, 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 be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) AC Date/Time Reviewed 2/21/25

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-01@0.5'

2/20/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-01 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.356		0.101	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.89		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.15			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.175		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.273		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-01@0.5'

2/20/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5B0518-01 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	5.84		0.278	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	167		9.58	"	"	"	"	"	"
Cadmium	0.181		0.0958	"	"	"	"	"	"
Copper	10.7		9.58	"	"	"	"	"	"
Lead	9.46		0.958	"	"	"	"	"	"
Nickel	12.7		0.958	"	"	"	"	"	"
Selenium	ND		0.249	"	"	"	"	"	"
Silver	ND		0.0958	"	"	"	"	"	"
Zinc	44.1		35.4	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-01@4'
2/20/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-02 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.128		0.0995	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.10		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.713		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.32			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.742		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.300		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-01@4'
2/20/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.91		0.276	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	393		9.53	"	"	"	"	"	"
Cadmium	0.145		0.0953	"	"	"	"	"	"
Copper	ND		9.53	"	"	"	"	"	"
Lead	7.24		0.953	"	"	"	"	"	"
Nickel	9.17		0.953	"	"	"	"	"	"
Selenium	ND		0.248	"	"	"	"	"	"
Silver	ND		0.0953	"	"	"	"	"	"
Zinc	ND		35.2	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-03@0.5'

2/20/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5B0518-03 (Soil)
 Enthalpy Analytical**

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
----------------------	----	------	------	-------	---	---------	------------	------------	--

Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.331		0.0998	mg/L	1	B5B2108	02/21/2025	02/24/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	2.33		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.824		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.16			pH Units	1	B5B2112	02/21/2025	02/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.681		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.386		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-03@0.5'
2/20/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	6.87		0.273	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	188		9.42	"	"	"	"	"	"
Cadmium	0.215		0.0942	"	"	"	"	"	"
Copper	13.8		9.42	"	"	"	"	"	"
Lead	11.2		0.942	"	"	"	"	"	"
Nickel	15.5		0.942	"	"	"	"	"	"
Selenium	0.311		0.245	"	"	"	"	"	"
Silver	ND		0.0942	"	"	"	"	"	"
Zinc	52.9		34.9	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-03@4'
2/20/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-04 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.21	0.21	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.285		0.0997	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.43		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.08		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.42			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.388		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.336		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-03@4'
2/20/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	7.33		0.275	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	440		9.48	"	"	"	"	"	"
Cadmium	0.230		0.0948	"	"	"	"	"	"
Copper	12.0		9.48	"	"	"	"	"	"
Lead	10.9		0.948	"	"	"	"	"	"
Nickel	14.5		0.948	"	"	"	"	"	"
Selenium	ND		0.247	"	"	"	"	"	"
Silver	ND		0.0948	"	"	"	"	"	"
Zinc	48.4		35.1	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-04@0.5'

2/20/2025 12:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5B0518-05 (Soil)
 Enthalpy Analytical**

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
----------------------	----	------	------	-------	---	---------	------------	------------	--

Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.320		0.0989	mg/L	1	B5B2108	02/21/2025	02/24/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	2.41		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.884		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.18			pH Units	1	B5B2112	02/21/2025	02/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.719		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.393		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-04@0.5'
2/20/2025 12:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.82		0.278	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	185		9.58	"	"	"	"	"	"
Cadmium	0.209		0.0958	"	"	"	"	"	"
Copper	12.1		9.58	"	"	"	"	"	"
Lead	9.75		0.958	"	"	"	"	"	"
Nickel	12.9		0.958	"	"	"	"	"	"
Selenium	0.267		0.249	"	"	"	"	"	"
Silver	ND		0.0958	"	"	"	"	"	"
Zinc	44.2		35.5	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-04@4'
2/20/2025 12:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-06 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.284		0.0998	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.51		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.13		0.823	"	"	"	"	"	
Sodium	0.438		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.35			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.381		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.348		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-04@4'
2/20/2025 12:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	6.41		0.274	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	344		9.43	"	"	"	"	"	"
Cadmium	0.219		0.0943	"	"	"	"	"	"
Copper	11.5		9.43	"	"	"	"	"	"
Lead	10.3		0.943	"	"	"	"	"	"
Nickel	13.2		0.943	"	"	"	"	"	"
Selenium	0.267		0.245	"	"	"	"	"	"
Silver	ND		0.0943	"	"	"	"	"	"
Zinc	45.6		34.9	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-05@0.5'

2/20/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-07 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.357		0.0996	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.94		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.23			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.164		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.277		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-05@0.5'

2/20/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.32		0.273	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	458		9.41	"	"	"	"	"	"
Cadmium	0.158		0.0941	"	"	"	"	"	"
Copper	ND		9.41	"	"	"	"	"	"
Lead	7.63		0.941	"	"	"	"	"	"
Nickel	9.80		0.941	"	"	"	"	"	"
Selenium	ND		0.245	"	"	"	"	"	"
Silver	ND		0.0941	"	"	"	"	"	"
Zinc	36.0		34.8	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-05@4'
2/20/2025 12:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0518-08 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0782	03/15/2025	03/15/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.139		0.101	mg/L	1	B5B2108	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.14		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.786		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.40			pH Units	1	B5B2112	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	0.805		0.0100	SAR	1	B5B2104	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.307		0.00500	mmhos/cm	1	B5B2112	02/21/2025	02/25/2025	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

BG-05@4'
2/20/2025 12:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5B0518-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.27		0.279	mg/kg	10	B5B2022	02/20/2025	02/24/2025	
Barium	161		9.61	"	"	"	"	"	"
Cadmium	0.169		0.0961	"	"	"	"	"	"
Copper	9.80		9.61	"	"	"	"	"	"
Lead	9.03		0.961	"	"	"	"	"	"
Nickel	11.0		0.961	"	"	"	"	"	"
Selenium	0.259		0.250	"	"	"	"	"	"
Silver	ND		0.0961	"	"	"	"	"	"
Zinc	40.3		35.5	"	"	"	"	"	"

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5B2104 - Saturated Paste Metals

Blank (B5B2104-BLK1)

Prepared: 02/21/2025 Analyzed: 02/26/2025

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

Duplicate (B5B2104-DUP1)

Source: E5B0509-03

Prepared: 02/21/2025 Analyzed: 02/26/2025

SAR	ND	0.0100	SAR	0.755				200		
Calcium PPM	16.9	10.0	mg/L	17.5				3.37	50	
Magnesium PPM	2.74	10.0	"	2.69				1.84	50	
Sodium PPM	11.8	10.0	"	12.8				8.03	50	

Batch B5B2108 - DTPA Sorbitol Preparation

Blank (B5B2108-BLK1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

Boron	ND	0.100	mg/L							
-------	----	-------	------	--	--	--	--	--	--	--

Duplicate (B5B2108-DUP1)

Source: E5B0510-01

Prepared: 02/21/2025 Analyzed: 02/24/2025

Boron	0.111	0.100	mg/L	0.0831				28.7	50	
-------	-------	-------	------	--------	--	--	--	------	----	--

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5B2022 - EPA 3050B

Blank (B5B2022-BLK1)

Prepared: 02/20/2025 Analyzed: 02/24/2025

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

LCS (B5B2022-BS1)

Prepared: 02/20/2025 Analyzed: 02/24/2025

Arsenic	5.46	0.290	mg/kg	5.00		109	80-120			
Barium	514	10.0	"	500		103	80-120			
Cadmium	5.23	0.100	"	5.00		105	80-120			
Copper	52.7	10.0	"	50.0		105	80-120			
Lead	5.08	1.00	"	5.00		102	80-120			
Nickel	5.52	1.00	"	5.00		110	80-120			
Selenium	5.23	0.260	"	5.00		105	80-120			
Silver	5.19	0.100	"	5.00		104	80-120			
Zinc	54.6	37.0	"	50.0		109	80-120			

Matrix Spike (B5B2022-MS1)

Source: E5B0515-03

Prepared: 02/20/2025 Analyzed: 02/24/2025

Arsenic	9.26	0.280	mg/kg	4.83	3.86	112	75-125			
Barium	596	9.66	"	483	82.7	106	75-125			
Cadmium	5.30	0.0966	"	4.83	0.0568	108	75-125			
Copper	59.3	9.66	"	48.3	7.44	107	75-125			
Lead	13.3	0.966	"	4.83	7.86	113	75-125			

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5B2022 - EPA 3050B

Matrix Spike (B5B2022-MS1)

Source: E5B0515-03

Prepared: 02/20/2025 Analyzed: 02/24/2025

Nickel	12.4	0.966	mg/kg	4.83	6.67	118	75-125			
Selenium	5.08	0.251	"	4.83	0.157	102	75-125			
Silver	5.14	0.0966	"	4.83	0.0208	106	75-125			
Zinc	87.4	35.8	"	48.3	32.9	113	75-125			

Matrix Spike Dup (B5B2022-MSD1)

Source: E5B0515-03

Prepared: 02/20/2025 Analyzed: 02/24/2025

Arsenic	9.05	0.277	mg/kg	4.78	3.86	109	75-125	2.29	20	
Barium	607	9.56	"	478	82.7	110	75-125	1.78	20	
Cadmium	5.12	0.0956	"	4.78	0.0568	106	75-125	3.38	20	
Copper	58.1	9.56	"	47.8	7.44	106	75-125	2.12	20	
Lead	13.2	0.956	"	4.78	7.86	111	75-125	1.18	20	
Nickel	12.0	0.956	"	4.78	6.67	112	75-125	2.86	20	
Selenium	4.85	0.248	"	4.78	0.157	98.1	75-125	4.74	20	
Silver	5.00	0.0956	"	4.78	0.0208	104	75-125	2.71	20	
Zinc	85.2	35.4	"	47.8	32.9	109	75-125	2.59	20	

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5B2112 - Saturated Paste pH/EC

Blank (B5B2112-BLK1)

Prepared: 02/21/2025 Analyzed: 02/25/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5B2112-DUP1)

Source: E5B0509-03

Prepared: 02/21/2025 Analyzed: 02/25/2025

pH 8.30 pH Units 8.44 1.67 25

Specific Conductance (EC) 0.180 0.00500 mmhos/cm 0.180 0.0556 25

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.



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

David Castro
 Project Number: -
 Project: UPRR 1-1

TOTAL METALS BY SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIC0782 - No Prep IC-WET										
Blank (BIC0782-BLK1)										
					Prepared: 03/15/2025 Analyzed: 03/15/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIC0782-BS1)										
					Prepared: 03/15/2025 Analyzed: 03/15/2025					
Chromium, Hexavalent	0.06	0.005	mg/kg	0.0500		116	80-120			
LCS (BIC0782-BS2)										
					Prepared: 03/15/2025 Analyzed: 03/15/2025					
Chromium, Hexavalent	7.19	1.00	mg/kg	8.44		85.2	80-120			
Matrix Spike (BIC0782-MS1)										
		Source: E5B0518-01			Prepared: 03/15/2025 Analyzed: 03/15/2025					
Chromium, Hexavalent	2.29	0.21	mg/kg	2.05	ND	112	75-125			
Matrix Spike Dup (BIC0782-MSD1)										
		Source: E5B0518-01			Prepared: 03/15/2025 Analyzed: 03/15/2025					
Chromium, Hexavalent	2.31	0.20	mg/kg	2.04	ND	113	75-125	0.959	20	

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.



Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

David Castro
Project Number: -
Project: UPRR 1-1

Notes and Definitions

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

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.