



July 03, 2024

Eagle Environmental Consulting, LLC

David Castro

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Bayswater - WAAG North Offsite BGs Project Number - [none]

Attached are your analytical results for Bayswater - WAAG North Offsite BGs received by Origins Laboratory, Inc. June 19, 2024. This project is associated with Origins project number Y406569-01.

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



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

David Castro  
Project Number: [none]  
Project: Bayswater - WAAG North Offsite BGs

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-01@0.5'	Y406569-01	Soil	June 19, 2024 12:17	06/19/2024 16:49
BG-01@4'	Y406569-02	Soil	June 19, 2024 12:45	06/19/2024 16:49
BG-01@6.5'	Y406569-03	Soil	June 19, 2024 12:52	06/19/2024 16:49
BG-02@0.5'	Y406569-04	Soil	June 19, 2024 12:56	06/19/2024 16:49
BG-02@4'	Y406569-05	Soil	June 19, 2024 13:14	06/19/2024 16:49
BG-02@6.5'	Y406569-06	Soil	June 19, 2024 13:25	06/19/2024 16:49

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

## ORIGINS LABORATORY, INC

Client: Amelia Jensen

Address: 8000 W 44th Ave

Telephone Number: 303-453-1494

Email Address: David.Castro@originslab.com

Project Manager: David Castro

Project Name: WAAG North Offsite BGs

Project Number: 1406569

Collected By: SL

Invoice/Billing Info: Bill to Eagle

Page 1 of 1

1726 Elk Placer Denver, CO 80221 | # 303.453.1322 | originslab.com | Temp Received -  Received on Ice?

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis			Comments
							Aspirate	Filter	915-Metal	
1	1501005	6/19/24	10:47	2	IMP		X	X	X	
2	1501004		10:48	1			X	X	X	
3	1501005		10:50	1			X	X	X	
4	1501005		10:50	1			X	X	X	
5	1501005		10:50	1			X	X	X	
6	1501005		10:50	1			X	X	X	
7										
8										
9										
10										

Relinquished By: [Signature] Date: 6/19/24 Time: 11:14

Received By: [Signature] Date: 6/19/24 Time: 10:49

Turnaround Time:  SAME DAY  24 Hr  48 Hr  72 Hr

Standard  Vials  No

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

# ORIGINS LABORATORY, INC

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

David Castro  
Project Number: [none]  
Project: Bayswater - WAAG North Offsite BGs

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

**Sample Receipt Checklist**

Origins Work Order: 1400504 Client: Eagle  
Client Project ID: WAAG N

Checklist Completed by: AKO Shipped Via: HO  
Date/time completed: 6/19/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

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

Cooler Number/Temperature: 1115 °C  °C  °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 7005

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"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SD
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (If so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note: if confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaOH) (pH >12 for samples preserved with NaOH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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): AKO Date/Time Reviewed: 6/21/24 0935

Origins Laboratory, Inc.



Jordan A. Bynon, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@0.5'**  
**6/19/2024 12:17:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.40		0.100	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	------	--	-------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	2.88		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	1.40		0.823	"	"	"	"	"	
Sodium	0.617		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.42			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	0.422		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.430		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	6.40		0.258	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	326		8.90	"	"	"	"	"	
Cadmium	0.298		0.0890	"	"	"	"	"	
Copper	14.6		8.90	"	"	"	"	"	

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@0.5'**  
**6/19/2024 12:17:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-01 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	11.5		0.890	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	12.4		0.890	"	"	"	"	"	"
Selenium	ND		0.231	"	"	"	"	"	"
Silver	ND		0.0890	"	"	"	"	"	"
Zinc	57.9		32.9	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	ND	0.131	0.328	mg/kg dry	1	2634514	07/01/2024	07/02/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@4'**

**6/19/2024 12:45:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.304		0.0995	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	4.10		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	2.52		0.823	"	"	"	"	"	
Sodium	3.20		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.46			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	1.76		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.994		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	3.65		0.273	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	306		9.41	"	"	"	"	"	
Cadmium	0.147		0.0941	"	"	"	"	"	
Copper	ND		9.41	"	"	"	"	"	

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jordan A. Bynon, Project Manager

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@4'**

**6/19/2024 12:45:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-02 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.60		0.941	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	7.58		0.941	"	"	"	"	"	"
Selenium	ND		0.245	"	"	"	"	"	"
Silver	ND		0.0941	"	"	"	"	"	"
Zinc	ND		34.8	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	0.296	0.150	0.376	mg/kg dry	1	2634514	07/01/2024	07/02/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@6.5'**  
**6/19/2024 12:52:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.293		0.0994	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	2.74		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	2.76		0.823	"	"	"	"	"	
Sodium	2.82		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.52			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	1.70		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.868		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	4.71		0.251	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	276		8.67	"	"	"	"	"	
Cadmium	0.252		0.0867	"	"	"	"	"	
Copper	14.1		8.67	"	"	"	"	"	

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-01@6.5'**  
**6/19/2024 12:52:00PM**

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


**Origins Laboratory, Inc.**  
**Y406569-03 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	15.0		0.867	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	13.0		0.867	"	"	"	"	"	"
Selenium	ND		0.225	"	"	"	"	"	"
Silver	ND		0.0867	"	"	"	"	"	"
Zinc	57.9		32.1	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	0.321	0.127	0.318	mg/kg dry	1	2634514	07/01/2024	07/02/2024	
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	--

Origins Laboratory, Inc.  


*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@0.5'**  
**6/19/2024 12:56:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.40		0.100	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	------	--	-------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	2.81		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	1.26		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.48			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	0.240		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.385		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	6.00		0.270	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	336		9.32	"	"	"	"	"	
Cadmium	0.302		0.0932	"	"	"	"	"	
Copper	13.6		9.32	"	"	"	"	"	

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@0.5'**  
**6/19/2024 12:56:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-04 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	11.2		0.932	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	11.8		0.932	"	"	"	"	"	"
Selenium	ND		0.242	"	"	"	"	"	"
Silver	ND		0.0932	"	"	"	"	"	"
Zinc	55.1		34.5	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	ND	0.106	0.265	mg/kg dry	1	2634514	07/01/2024	07/02/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@4'**

**6/19/2024 1:14:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.314		0.0988	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	4.46		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	2.68		0.823	"	"	"	"	"	
Sodium	3.20		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.51			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	1.69		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.04		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	3.83		0.277	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	332		9.57	"	"	"	"	"	
Cadmium	0.160		0.0957	"	"	"	"	"	
Copper	ND		9.57	"	"	"	"	"	

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@4'**

**6/19/2024 1:14:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-05 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	7.59		0.957	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	7.62		0.957	"	"	"	"	"	"
Selenium	ND		0.249	"	"	"	"	"	"
Silver	ND		0.0957	"	"	"	"	"	"
Zinc	ND		35.4	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	0.296	0.132	0.329	mg/kg dry	1	2634514	07/01/2024	07/02/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@6.5'**  
**6/19/2024 1:25:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.300		0.0989	mg/L	1	B4F2012	06/20/2024	06/21/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

**Metals by Saturated Paste by EPA 6010**

Calcium	3.01		0.499	meq/L	10	[CALC]	06/21/2024	06/24/2024	
Magnesium	3.05		0.823	"	"	"	"	"	
Sodium	2.96		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.46			pH Units	1	B4F2120	06/21/2024	06/21/2024	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	1.70		0.0100	SAR	1	B4F2110	06/21/2024	06/24/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.908		0.00500	mmhos/cm	1	B4F2120	06/21/2024	06/21/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	4.71		0.260	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Barium	182		8.98	"	"	"	"	"	
Cadmium	0.274		0.0898	"	"	"	"	"	
Copper	14.3		8.98	"	"	"	"	"	

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**BG-02@6.5'**

**6/19/2024 1:25:00PM**

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

**Origins Laboratory, Inc.**  
**Y406569-06 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	14.5		0.898	mg/kg	10	B4F2020	06/20/2024	06/21/2024	
Nickel	12.9		0.898	"	"	"	"	"	"
Selenium	ND		0.233	"	"	"	"	"	"
Silver	ND		0.0898	"	"	"	"	"	"
Zinc	58.5		33.2	"	"	"	"	"	"

**Total Metals 7196A**

Hexavalent Chromium	0.397	0.177	0.442	mg/kg dry	1	2634514	07/01/2024	07/02/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**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 B4F2020 - EPA 3050B**

**Blank (B4F2020-BLK1)**

Prepared: 06/20/2024 Analyzed: 06/21/2024

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 (B4F2020-BS1)**

Prepared: 06/20/2024 Analyzed: 06/21/2024

Arsenic	5.63	0.290	mg/kg	5.00		113	80-120			
Barium	560	10.0	"	500		112	80-120			
Cadmium	5.81	0.100	"	5.00		116	80-120			
Copper	55.0	10.0	"	50.0		110	80-120			
Lead	5.49	1.00	"	5.00		110	80-120			
Nickel	5.52	1.00	"	5.00		110	80-120			
Selenium	10.3	0.260	"	9.50		108	80-120			
Silver	5.72	0.100	"	5.00		114	80-120			
Zinc	55.2	37.0	"	50.0		110	80-120			

**Matrix Spike (B4F2020-MS1)**

Source: Y406569-01

Prepared: 06/20/2024 Analyzed: 06/21/2024

Arsenic	11.9	0.268	mg/kg	4.62	6.40	118	75-125			
Barium	924	9.24	"	462	326	129	75-125			QM-07
Cadmium	5.77	0.0924	"	4.62	0.298	118	75-125			
Copper	65.4	9.24	"	46.2	14.6	110	75-125			
Lead	16.4	0.924	"	4.62	11.5	106	75-125			

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**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 B4F2020 - EPA 3050B

**Matrix Spike (B4F2020-MS1)**

Source: Y406569-01

Prepared: 06/20/2024 Analyzed: 06/21/2024

Nickel	17.7	0.924	mg/kg	4.62	12.4	114	75-125			
Selenium	10.1	0.240	"	8.78	0.216	112	75-125			
Silver	5.46	0.0924	"	4.62	0.0445	117	75-125			
Zinc	109	34.2	"	46.2	57.9	111	75-125			

**Matrix Spike Dup (B4F2020-MSD1)**

Source: Y406569-01

Prepared: 06/20/2024 Analyzed: 06/21/2024

Arsenic	11.4	0.263	mg/kg	4.53	6.40	109	75-125	4.43	20	
Barium	877	9.07	"	453	326	121	75-125	5.16	20	
Cadmium	5.50	0.0907	"	4.53	0.298	115	75-125	4.71	20	
Copper	61.5	9.07	"	45.3	14.6	104	75-125	6.13	20	
Lead	16.1	0.907	"	4.53	11.5	101	75-125	2.04	20	
Nickel	16.9	0.907	"	4.53	12.4	98.0	75-125	4.73	20	
Selenium	9.09	0.236	"	8.62	0.216	103	75-125	10.2	20	
Silver	5.18	0.0907	"	4.53	0.0445	113	75-125	5.38	20	
Zinc	103	33.6	"	45.3	57.9	98.4	75-125	6.47	20	

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B4F2012 - DTPA Sorbitol Preparation**

**Blank (B4F2012-BLK1)**

Prepared: 06/20/2024 Analyzed: 06/21/2024

Boron ND 0.100 mg/L

**Duplicate (B4F2012-DUP1)**

**Source: Y406565-07**

Prepared: 06/20/2024 Analyzed: 06/21/2024

Boron 0.275 0.0996 mg/L 0.276 0.230 50

**Batch B4F2110 - Saturated Paste Metals**

**Blank (B4F2110-BLK1)**

Prepared: 06/21/2024 Analyzed: 06/24/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

**Duplicate (B4F2110-DUP1)**

**Source: Y406569-01**

Prepared: 06/21/2024 Analyzed: 06/24/2024

Calcium PPM 54.2 10.0 mg/L 57.8 6.32 50

SAR ND 0.0100 SAR 0.422 200

Magnesium PPM 15.7 10.0 mg/L 17.1 8.11 50

Sodium PPM 11.2 10.0 " 14.2 23.1 50

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B4F2120 - Saturated Paste pH/EC**

**Blank (B4F2120-BLK1)**

Prepared: 06/21/2024 Analyzed: 06/21/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B4F2120-DUP1)**

**Source: Y406569-01**

Prepared: 06/21/2024 Analyzed: 06/21/2024

Specific Conductance (EC) 0.427 0.00500 mmhos/cm 0.430 0.677 25

pH 8.43 pH Units 8.42 0.119 25

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager



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

David Castro  
 Project Number: [none]  
 Project: Bayswater - WAAG North Offsite BGs

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

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

**Batch 2634514 - SW846 3060A**

**BLANK (1205777599-BLK)**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	ND	0.376	mg/kg							U
---------------------	----	-------	-------	--	--	--	--	--	--	---

**LCS (1205777600-BKS)**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	3.62	0.367	mg/kg	3.67		98.5	80-120			
---------------------	------	-------	-------	------	--	------	--------	--	--	--

**DUP (1205777601 D)**

**Source: 672623001**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	ND	0.275	mg/kg dry		<0.110		0-50	N/A	50	U
---------------------	----	-------	-----------	--	--------	--	------	-----	----	---

**MS (1205777602 S)**

**Source: 672623001**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	2.10	0.275	mg/kg dry	2.75	<0.110	75.2	75-125			
---------------------	------	-------	-----------	------	--------	------	--------	--	--	--

**DUP (1205777603 D)**

**Source: Y406569-05**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	0.260	0.330	mg/kg dry		0.296		0-50	12.9	50	J
---------------------	-------	-------	-----------	--	-------	--	------	------	----	---

**MS (1205777604 S)**

**Source: Y406569-05**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	2.34	0.330	mg/kg dry	3.30	0.296	61.9	75-125			
---------------------	------	-------	-----------	------	-------	------	--------	--	--	--

**ILCS (1205777605-ILCS)**

Prepared: 07/01/2024 Analyzed: 07/02/2024

Hexavalent Chromium	7.86	0.376	mg/kg	7.57		104	80-120			
---------------------	------	-------	-------	------	--	-----	--------	--	--	--

Origins Laboratory, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jordan A. Bynon, Project Manager

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

David Castro  
Project Number: [none]  
Project: Bayswater - WAAG North Offsite BGs

## Notes and Definitions

- U Result not detected above the detection limit
  - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
  - J Greater than the detection limit but less than the reporting limit
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.  
Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*