



**Confluence Compliance Companies, LLC**

**August 28, 2025**

**Chris McKisson**

**403 1/2 Rockwood Lane**

**Grand Junction CO 81507**

**Project Name - Noble - Kohlhoff USX AB #17-03P**

**Project Number - CHE0089**

Attached are your analytical results for Noble - Kohlhoff USX AB #17-03P received by Origins Laboratory July 25, 2025. This project is associated with Origins project number E5G0539-01.

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**



Confluence Compliance Companies, LLC  
403 1/2 Rockwood Lane  
Grand Junction CO 81507

Chris McKisson  
Project Number: CHE0089  
Project: Noble - Kohlhoff USX AB #17-03P

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG03@5'	E5G0539-01	Soil	July 24, 2025 10:50	07/25/2025 17:03
BKG04@7'	E5G0539-02	Soil	July 24, 2025 11:05	07/25/2025 17:03
BKG05@7'	E5G0539-03	Soil	July 24, 2025 11:25	07/25/2025 17:03
BKG02@5'	E5G0539-04	Soil	July 24, 2025 11:40	07/25/2025 17:03
BKG01@5'	E5G0539-05	Soil	July 24, 2025 11:55	07/25/2025 17:03

This supplemental report is being reissued to provide revised 6020 metals data for samples **E5G0539-01**. This sample batch was found to have an incorrect dilution added which caused results to be elevated. This revised report includes the data with the corrected dilution. KDK

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Confluence Compliance Companies, LLC  
403 1/2 Rockwood Lane  
Grand Junction CO 81507

Chris McKisson  
Project Number: CHE0089  
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5560539

Page 1 of 1

#	Sample ID	Date	Time	# of Containers	Matrix Preservative	Analysis		Comments
						W	WV	
1	BK60305	7/24	1050	2	WVP	X	X	
2	BK60407	7/24	1105	1				
3	BK60501	7/24	1125	1				
4	BK60205	7/24	1140	1				
5	BK60105	7/24	1155	1				
6								
7								
8								
9								
10								

Revised By: [Signature] Date: 7/25/15 Time: 10:55  
 Received By: [Signature] Date: 7/25/15 Time: 13:53  
 Reissued By: [Signature] Date: 7/15/15 Time: 17:03  
 Received By: [Signature] Date: 7/15/15 Time: 17:03

Temp Received - 3.3°C Received On Ice?  Yes  No

Client: Noble, Confluence Compliance  
 Address: 403 1/2 Rockwood Lane  
 Telephone Number: Grand Junction CO 81507  
 Project Number: CHE0089  
 Project Name: Kohlhoff USX AB #17-03P  
 Project Manager: Chris McKisson  
 Key: W=Water  
 W=Water  
 G=Groundwater  
 S=Surface Water  
 W=Waste Water  
 Collected By: Hilly Tinnoc, Jack Conkrecht  
 Invoice/Billing Info: Wade, Lauren Thorpe  
 Email Address: Chris.McKisson@confluence-cc.com  
 S=Soil | S=Solid | O=Oil | A=Air | G=Gas | U=Urea | H=HCl | H=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide | L=Liquid

Origins Laboratory  
[Signature]

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Chris McKisson  
Project Number: CHE0089  
Project: Noble - Kohlhoff USX AB #17-03P

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

### Sample Receipt Checklist

Origins Work Order: EGG0539 Client: CONFLUENCE  
Client Project ID: KOHLHOFF USX AB #17-03P  
Checklist Completed by: NKM/NKM Shipped Via: HD  
Date/time completed: 07/28/25 (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 / 3.3 °C (Describe)  
Thermometer ID: T-007

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 type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input 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 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 type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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 NaOH+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input 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 be in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

07/29/25  
Date/Time Reviewed

Origins Laboratory



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Kayla Kenyon, Project Manager



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 403 1/2 Rockwood Lane  
 Grand Junction CO 81507

Chris McKisson  
 Project Number: CHE0089  
 Project: Noble - Kohlhoff USX AB #17-03P

**BKG03@5'**

**7/24/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-01 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1564	07/31/2025	08/06/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.100	mg/L	1	B5G2804	07/28/2025	07/29/2025	U
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	0.985		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.29			pH Units	1	B5G2806	07/28/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.109		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.210		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	

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**7/24/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.08		0.274	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	100		77.5	"	"	"	"	"	
Cadmium	ND		0.359	"	"	"	"	"	U
Copper	ND		43.5	"	"	"	"	"	U
Lead	ND		13.2	"	"	"	"	"	U
Nickel	ND		24.6	"	"	"	"	"	U
Selenium	ND		0.246	"	"	"	"	"	U
Silver	ND		0.756	"	"	"	"	"	U
Zinc	ND		350	"	"	"	"	"	U

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**BKG04@7'**

**7/24/2025 11:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-02 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1564	07/31/2025	08/06/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.100	mg/L	1	B5G2804	07/28/2025	07/29/2025	U
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	1.06		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.20			pH Units	1	B5G2806	07/28/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.218		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.210		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	

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**BKG04@7'**

**7/24/2025 11:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-02 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.65		0.254	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	ND		71.8	"	"	"	"	"	U
Cadmium	ND		0.333	"	"	"	"	"	U
Copper	ND		40.3	"	"	"	"	"	U
Lead	ND		12.3	"	"	"	"	"	U
Nickel	ND		22.8	"	"	"	"	"	U
Selenium	0.514		0.228	"	"	"	"	"	
Silver	ND		0.701	"	"	"	"	"	U
Zinc	ND		324	"	"	"	"	"	U

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**BKG05@7'**

**7/24/2025 11:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-03 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	0.09	0.08	0.20	mg/kg	1	BIG1564	07/31/2025	08/06/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.10		0.0997	mg/L	1	B5G2804	07/28/2025	07/29/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	2.60		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	3.68		0.823	"	"	"	"	"	
Sodium	3.79		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.13			pH Units	1	B5G2806	07/28/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	2.14		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.10		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	

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**BKG05@7'**

**7/24/2025 11:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.89		0.270	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	155		76.2	"	"	"	"	"	
Cadmium	ND		0.353	"	"	"	"	"	U
Copper	ND		42.8	"	"	"	"	"	U
Lead	ND		13.0	"	"	"	"	"	U
Nickel	ND		24.2	"	"	"	"	"	U
Selenium	0.322		0.242	"	"	"	"	"	
Silver	ND		0.743	"	"	"	"	"	U
Zinc	ND		344	"	"	"	"	"	U

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**BKG02@5'**

**7/24/2025 11:40:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5G0539-04 (Soil)  
 Enthalpy Analytical**

**Total Metals by SW7199**

Chromium, Hexavalent	ND	0.08	0.21	mg/kg	1	BIG1564	07/31/2025	08/06/2025	
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.828		0.100	mg/L	1	B5G2804	07/28/2025	07/29/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.30		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	2.31		0.823	"	"	"	"	"	
Sodium	3.77		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.17			pH Units	1	B5G2806	07/28/2025	07/29/2025	
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**SAR by 20B Saturated Paste**

SAR	2.48		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.876		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	
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**BKG02@5'**

**7/24/2025 11:40:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5G0539-04 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.62		0.251	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	ND		71.0	"	"	"	"	"	U
Cadmium	0.645		0.329	"	"	"	"	"	
Copper	ND		39.8	"	"	"	"	"	U
Lead	ND		12.1	"	"	"	"	"	U
Nickel	ND		22.5	"	"	"	"	"	U
Selenium	0.404		0.225	"	"	"	"	"	
Silver	ND		0.693	"	"	"	"	"	U
Zinc	ND		320	"	"	"	"	"	U

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**BKG01@5'**

**7/24/2025 11:55:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-05 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Total Metals by SW7199</b>									
Chromium, Hexavalent	0.15	0.08	0.20	mg/kg	1	BIG1564	07/31/2025	08/06/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.20		0.100	mg/L	1	B5G2804	07/28/2025	07/29/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	2.15		0.499	meq/L	10	[CALC]	07/28/2025	07/29/2025	
Magnesium	3.16		0.823	"	"	"	"	"	
Sodium	5.49		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.12			pH Units	1	B5G2806	07/28/2025	07/29/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	3.37		0.0100	SAR	1	B5G2805	07/28/2025	07/29/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.06		0.00500	mmhos/cm	1	B5G2806	07/28/2025	07/29/2025	

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Kayla Kenyon, Project Manager

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 Project Number: CHE0089  
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**BKG01@5'**

**7/24/2025 11:55:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5G0539-05 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.38		0.266	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	119		75.2	"	"	"	"	"	
Cadmium	0.555		0.349	"	"	"	"	"	
Copper	ND		42.2	"	"	"	"	"	U
Lead	ND		12.8	"	"	"	"	"	U
Nickel	29.9		23.8	"	"	"	"	"	
Selenium	0.487		0.238	"	"	"	"	"	
Silver	ND		0.734	"	"	"	"	"	U
Zinc	ND		339	"	"	"	"	"	U

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**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 B5G2804 - DTPA Sorbitol Preparation**

**Blank (B5G2804-BLK1)**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Boron	ND	0.100	mg/L							U
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**Duplicate (B5G2804-DUP1)**

**Source: E5G0539-01**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Boron	0.0652	0.100	mg/L		0.0740			12.6	50	U
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**Batch B5G2805 - Saturated Paste Metals**

**Blank (B5G2805-BLK1)**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Calcium PPM	ND	10.0	mg/L							U
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SAR	ND	0.0100	SAR							U
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Magnesium PPM	ND	10.0	mg/L							U
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Sodium PPM	ND	10.0	"							U
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**Duplicate (B5G2805-DUP1)**

**Source: E5G0538-05**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Calcium PPM	417	10.0	mg/L		435			4.33	50	
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SAR	ND	0.0100	SAR		6.33				200	U
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Magnesium PPM	133	10.0	mg/L		139			4.98	50	
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Sodium PPM	562	10.0	"		592			5.23	50	
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Confluence Compliance Companies, LLC  
 403 1/2 Rockwood Lane  
 Grand Junction CO 81507

Chris McKisson  
 Project Number: CHE0089  
 Project: Noble - Kohlhoff USX AB #17-03P

**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 B5G2903 - EPA 3050B**

**Blank (B5G2903-BLK1)**

Prepared: 07/29/2025 Analyzed: 07/30/2025

Arsenic	ND	0.290	mg/kg wet							U
Barium	ND	82.0	"							U
Cadmium	ND	0.380	"							U
Copper	ND	46.0	"							U
Lead	ND	14.0	"							U
Nickel	ND	26.0	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.800	"							U
Zinc	ND	370	"							U

**LCS (B5G2903-BS1)**

Prepared: 07/29/2025 Analyzed: 08/01/2025

Arsenic	5.25	0.290	mg/kg wet	5.00		105	80-120			
Barium	530	82.0	"	500		106	80-120			
Cadmium	5.26	0.380	"	5.00		105	80-120			
Copper	52.2	46.0	"	50.0		104	80-120			
Lead	5.29	14.0	"	5.00		106	80-120			U
Nickel	5.36	26.0	"	5.00		107	80-120			U
Selenium	5.34	0.260	"	5.00		107	80-120			
Silver	5.16	0.800	"	5.00		103	80-120			
Zinc	51.8	370	"	50.0		104	80-120			U

**Matrix Spike (B5G2903-MS1)**

Source: E5G0537-01

Prepared: 07/29/2025 Analyzed: 07/30/2025

Arsenic	9.41	0.262	mg/kg wet	4.52	3.97	121	75-125			
Barium	704	74.1	"	452	181	116	75-125			
Cadmium	5.62	0.344	"	4.52	0.209	120	75-125			
Copper	58.9	41.6	"	45.2	9.30	110	75-125			
Lead	13.3	12.7	"	4.52	8.61	103	75-125			

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Kayla Kenyon, Project Manager



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**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 B5G2903 - EPA 3050B**

**Matrix Spike (B5G2903-MS1)**

**Source: E5G0537-01**

Prepared: 07/29/2025 Analyzed: 07/30/2025

Nickel	14.3	23.5	mg/kg wet	4.52	8.13	137	75-125			QM-07, U
Selenium	5.30	0.235	"	4.52	0.303	110	75-125			
Silver	5.43	0.723	"	4.52	0.0339	119	75-125			
Zinc	84.6	335	"	45.2	38.4	102	75-125			U

**Matrix Spike Dup (B5G2903-MSD1)**

**Source: E5G0537-01**

Prepared: 07/29/2025 Analyzed: 07/30/2025

Arsenic	8.62	0.261	mg/kg wet	4.50	3.97	104	75-125	8.80	20	
Barium	695	73.7	"	450	181	114	75-125	1.37	20	
Cadmium	5.63	0.342	"	4.50	0.209	121	75-125	0.226	20	
Copper	56.5	41.4	"	45.0	9.30	105	75-125	4.13	20	
Lead	12.8	12.6	"	4.50	8.61	93.3	75-125	3.50	20	
Nickel	13.3	23.4	"	4.50	8.13	116	75-125	7.07	20	U
Selenium	5.04	0.234	"	4.50	0.303	105	75-125	4.94	20	
Silver	5.49	0.719	"	4.50	0.0339	121	75-125	1.08	20	
Zinc	78.0	333	"	45.0	38.4	88.0	75-125	8.14	20	U

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**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 B5G2806 - Saturated Paste pH/EC**

**Blank (B5G2806-BLK1)**

Prepared: 07/28/2025 Analyzed: 07/29/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (B5G2806-DUP1)**

**Source: E5G0538-05**

Prepared: 07/28/2025 Analyzed: 07/29/2025

pH	7.98		pH Units		7.97		0.125		25	
Specific Conductance (EC)	4.85	0.00500	mmhos/cm		4.55		6.46		25	

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**Total Metals by SW7199 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch BIG1564 - No Prep IC-WET</b>										
<b>Blank (BIG1564-BLK1)</b>										
					Prepared: 07/31/2025 Analyzed: 08/05/2025					
Chromium, Hexavalent	ND	0.005	mg/kg							
<b>LCS (BIG1564-BS1)</b>										
					Prepared: 07/31/2025 Analyzed: 08/05/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		99.2	80-120			
<b>LCS (BIG1564-BS2)</b>										
					Prepared: 07/31/2025 Analyzed: 08/05/2025					
Chromium, Hexavalent	8.15	1.00	mg/kg	8.89		91.7	80-120			
<b>Matrix Spike (BIG1564-MS1)</b>										
		<b>Source: 25G2528-01</b>			Prepared: 07/31/2025 Analyzed: 08/05/2025					
Chromium, Hexavalent	1.94	0.20	mg/kg	1.96	0.17	90.3	75-125			
<b>Matrix Spike Dup (BIG1564-MSD1)</b>										
		<b>Source: 25G2528-01</b>			Prepared: 07/31/2025 Analyzed: 08/05/2025					
Chromium, Hexavalent	2.04	0.20	mg/kg	1.97	0.17	95.0	75-125	4.93	20	

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Project: Noble - Kohlhoff USX AB #17-03P

**Notes and Definitions**

- U Sample is Non-Detect.
  - 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 The reported result is an estimated value.
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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