



Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

September 10, 2024

**Project Name - KMG - Wheeler 1-21A**

**Project Number - [none]**

Attached are your analytical results for KMG - Wheeler 1-21A received by Origins Laboratory August 02, 2024. This project is associated with Origins project number Y408093-01.

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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - Wheeler 1-21A

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01R@6'	Y408093-01	Soil	August 2, 2024 10:00	08/02/2024 16:56

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.*



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - Wheeler 1-21A

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4408093 Client: Tasman  
 Checklist Completed by: JHD Client Project ID: Wheeler 1-21  
 Date/time completed: 8/2/24 Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply): 6 Soil/Solid \_\_\_\_\_ Water \_\_\_\_\_ Other: \_\_\_\_\_  
 Cooler Number/Temperature: 116 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)  
 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> ?	/			
Is there ice present (document if blue ice is used)	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			/	
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 Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> +NaOH, ZnAc+NaOH)			/	
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.

JHD  
Reviewed by (Project Manager)

8/2/24  
Date/Time Reviewed

Origins Laboratory

*J. Bynon*

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.

Tasman Geosciences  
 6855 West 119th Avenue  
 Broomfield CO 80020

Andy Sagen  
 Project Number: [none]  
 Project: KMG - Wheeler 1-21A

**WH-B01R@6'**  
**8/2/2024 10:00:00AM**

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

**GEL Laboratories, LLC**  
**Y408093-01 (Soil)**

**Total Metals 7196A**

Hexavalent Chromium	ND	0.151	0.377	mg/kg dry	1	2665189	08/30/2024	09/05/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

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.*

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - Wheeler 1-21A

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2665189 - SW846 3060A</b>										
<b>BLANK (1205840078-BLK)</b>					Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	ND	0.348	mg/kg				-			U
<b>LCS (1205840079-BKS)</b>					Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	3.45	0.343	mg/kg	3.43		101	80-120			
<b>DUP (1205840080 D)</b>					Source: 679387001 Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	ND	0.536	mg/kg dry		<0.214		0-50	N/A	50	U
<b>MS (1205840081 S)</b>					Source: 679387001 Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	4.38	0.520	mg/kg dry	5.20	<0.208	81.3	75-125			
<b>DUP (1205840082 D)</b>					Source: 679387002 Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	ND	0.435	mg/kg dry		<0.174		0-50	N/A	50	U
<b>MS (1205840083 S)</b>					Source: 679387002 Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	2.60	0.412	mg/kg dry	4.12	<0.165	61.1	75-125			
<b>ILCS (1205840084-ILCS)</b>					Prepared: 08/30/2024 Analyzed: 09/05/2024					
Hexavalent Chromium	5.82	0.275	mg/kg	5.62		103	80-120			

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.*

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - Wheeler 1-21A

---

### Notes and Definitions

- U Result not detected above the detection 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.

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.*