

**Absaroka**

**December 31, 2024**

**Max Dahlgren**

**112 High St.**

**Buffalo**

**WY**

**82834**

**Project Name - KMG - McDonald 2-4A Wellhead**

**Project Number - 37209**

Attached are your analytical results for KMG - McDonald 2-4A Wellhead received by Origins Laboratory December 17, 2024. This project is associated with Origins project number E4L0597-01.

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



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112 High St.

Buffalo WY 82834

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Project Number: 37209

Project: KMG - McDonald 2-4A Wellhead

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B18@4' V	E4L0597-01	Soil	December 17, 2024 12:10	12/17/2024 14:41

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

On behalf of Enthelphy Analytical Amelia Jensen reissued report on 01.16.2025 12:58

Absaroka  
112 High St.  
Buffalo WY 82834

Max Dahlgren  
Project Number: 37209  
Project: KMG - McDonald 2-4A Wellhead

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

Origins Work Order: E4LO Sample Receipt Checklist Client: Absaroka

Client Project ID: McDonald 2-4A

Logged in by: VS / Labeled by: RT Shipped Via: \_\_\_\_\_  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Checklist Completed by: VS/RT Airbill #: N/A

Date/time completed: 12/17/24

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


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

Thermometer ID: \_\_\_\_\_

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"/>		
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / $\leq 2$ for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> / pH > 10 for samples preserved with NaASO <sub>2</sub> /NaOH, ZnAc/NaOH			<input checked="" 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 taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) VS Date/Time Reviewed 12/17/24

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Project Number: 37209

Project: KMG - McDonald 2-4A Wellhead

FL-B18@4' V

12/17/2024 12:10:00PM


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

E4L0597-01 (Soil)

## pH in Soil by 9045D

pH	8.27			pH Units	1	B4L2420	12/24/2024	12/26/2024	
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Project: KMG - McDonald 2-4A Wellhead

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 B4L2420 - Saturated Paste pH/EC

Duplicate (B4L2420-DUP1)

Source: E4L0702-01

Prepared: 12/24/2024 Analyzed: 12/26/2024

pH	8.32		pH Units		8.38			0.719	25	
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## 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.

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