

ORIGINS LABORATORY

Quandary Consultants

Brandon VanHorn

2252 Emerson St.

Denver

CO

80205

January 23, 2025

Project Name - KMG - Jones Guy H Gas UN2

Project Number - [none]

Attached are your analytical results for KMG - Jones Guy H Gas UN2 received by Origins Laboratory January 14, 2025. This project is associated with Origins project number E5A0213-01.

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



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Jones Guy H Gas UN2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-BG-01-R	E5A0213-01	Water	January 14, 2025 11:35	01/14/2025 13:05

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2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Jones Guy H Gas UN2

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: ESA0213

Client: Quandary

Checklist Completed by: Brandon VanHorn

Client Project ID: Jones

Date/time completed: 1/14/25

Shipped Via: 410

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Cooler Number/Temperature: L 149 °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 subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Brandon VanHorn

Date/Time Reviewed 1/14/25

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J. Bynon

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Jordan A. Bynon, Project Manager

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Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Jones Guy H Gas UN2

GW-BG-01-R


1/14/2025 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E5A0213-01 (Water)

Total Dissolved Solids by 2540C

Total Dissolved Solids	6220	5.00	mg/L	1	B5A1522	01/15/2025	01/17/2025		
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Classical Chemistry Parameters - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A1522 - NO PREP										
Blank (B5A1522-BLK1)										
					Prepared: 01/15/2025 Analyzed: 01/17/2025					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B5A1522-BS1)										
					Prepared: 01/15/2025 Analyzed: 01/17/2025					
Total Dissolved Solids	994	5.00	mg/L	1010		98.4	90-110			
Duplicate (B5A1522-DUP1)										
					Source: E5A0206-05 Prepared: 01/15/2025 Analyzed: 01/17/2025					
Total Dissolved Solids	768	5.00	mg/L		756			1.57	10	

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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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Jordan A. Bynon, Project Manager