



**Ensolum**

**April 28, 2025**

**Jeremy Espinoza**

**11049 W 44th Avenue, Suite 103**

**Wheat Ridge CO 80033**

**Project Name - KMG - Palombo 23-4L Wellhead**

**Project Number - 09A1417995**

Attached are your analytical results for KMG - Palombo 23-4L Wellhead received by Origins Laboratory April 10, 2025. This project is associated with Origins project number E5D0303-01.

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**



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Project Number: 09A1417995  
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### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-RISER(23-4L)@4'	E5D0303-01	Soil	April 10, 2025 14:26	04/10/2025 15:37

Origins Laboratory

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# ORIGINS LABORATORY

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**ORIGINS LABORATORY, INC**

INITIAL

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page 1 of 1

Client: Ensolum LLC  
 Address: 11049 W 44th Ave, Suite 103, Wheat Ridge, CO 80033

Project Manager: Jeremy Espinoza  
 Project Name: Palombo 23-4L Wellhead  
 Project Number: 09A1417995

Telephone Number: KMG Team  
 Email Address: KMG Team

Samples Collected By: JR

Note: If needed, please provide partial report in 2 weeks or sooner with finished analysis.

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Groundwater	Soil	Full Table 915-1 BTEXN 1,2,4/1,3,5-TMB TPH-GRO/DRO/CRO EC/pH/SAR/SP, Boron Table 915-1 Metals	Sample Instructions
				HCl	HNO <sub>3</sub>	Other				
SEP-235E1 (23-4L)	4/10/15	4:26	8							ON HOLD
SEP-235E1 (23-4L)	4/27	5	5							
Requisitioned By: [Signature]	Date: 4/10/15	Time: 1:57	Received By: JWA	Date: 4/10/15	Time: 1:53	Turnaround Time: <input type="checkbox"/> 48 Hr <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 72 Hr <input type="checkbox"/> Standard	Date Results needed: 2-9 [Signature]			

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

### Sample Receipt Checklist

Origins Work Order: ESDC303

Client: Ensolum

Client Project ID: palombo 23-4L wellhead

Checklist Completed by: JAR/NB

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/10/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 2.9 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) / \_\_\_\_\_ °C

Thermometer ID: T007

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> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?			X	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			X	
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: JAR (Project Manager)

4/11/25  
Date/Time Reviewed

Origins Laboratory

*EHO*

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**SEP-RISER(23-4L)@4'**  
**4/10/2025 2:26:00PM**

**E5D0303-01 (Soil)**  
**GEL Laboratories, LLC**

**Total Metals 7196A**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Hexavalent Chromium	ND	0.169	0.424	mg/kg dry	1	2785640	04/23/2025	04/24/2025	U

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2785640 - SW846 3060A**

**BLANK (1206079339-BLK)**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	ND	0.377	mg/kg				-			U
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**LCS (1206079340-BKS)**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	3.18	0.316	mg/kg	3.16		101	80-120			
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**DUP (1206079341 D)**

**Source: 719482001**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	ND	0.396	mg/kg dry		<0.158		0-50	N/A	50	U
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**MS (1206079342 S)**

**Source: 719482001**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	2.43	0.396	mg/kg dry	3.96	<0.158	60	75-125			
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**DUP (1206079343 D)**

**Source: 719482002**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	ND	0.392	mg/kg dry		<0.157		0-50	N/A	50	U
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**MS (1206079344 S)**

**Source: 719482002**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	3.21	0.392	mg/kg dry	3.92	<0.157	81.8	75-125			
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**ILCS (1206079345-ILCS)**

Prepared: 04/23/2025 Analyzed: 04/24/2025

Hexavalent Chromium	6.86	0.327	mg/kg	6.67		103	80-120			
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**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.

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