



Ensolum

December 30, 2025

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Cullen Odenbaugh C UT 1

Project Number - GSH#3672

Attached are your analytical results for KMG - Cullen Odenbaugh C UT 1 received by Origins Laboratory December 18, 2025. This project is associated with Origins project number E5L0507-01.

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.

The laboratory is TNI accredited by the Utah DHHS ELAP under certificate number CO010822024.

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



Ensolium
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: GSH#3672
Project: KMG - Cullen Odenbaugh C UT 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R2	E5L0507-01	Water	December 18, 2025 13:27	12/18/2025 16:07
MW02R4	E5L0507-02	Water	December 18, 2025 13:15	12/18/2025 16:07
MW04R2	E5L0507-03	Water	December 18, 2025 13:47	12/18/2025 16:07
MW05R2	E5L0507-04	Water	December 18, 2025 13:55	12/18/2025 16:07
MW06R3	E5L0507-05	Water	December 18, 2025 13:37	12/18/2025 16:07
MW07R3	E5L0507-06	Water	December 18, 2025 13:04	12/18/2025 16:07

Origins Laboratory

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Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESLOS07

Client: Ensolum

Client Project ID: Cullen Odenbaugh

Checklist Completed by: smc / Aw

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

Date/time completed: 12/19/25

Airbill #: N/A

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

Cooler Number/Temperature: 1, 4.5 °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: T-004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	✓			
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 ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		✓		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		✓		
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)		✓		
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) JBS

Date/Time Reviewed 12/22/25



Ensolium
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Jeremy Espinoza
 Project Number: GSH#3672
 Project: KMG - Cullen Odenbaugh C UT 1

MW01R2

12/18/2025 1:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-01 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	388		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	52.1		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1330		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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Jeremy Espinoza
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MW02R4

12/18/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-02 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	102 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	217		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	241		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1020		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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Jeremy Espinoza
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MW04R2

12/18/2025 1:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-03 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.3 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	218		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	246		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1040		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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MW05R2

12/18/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-04 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.6 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	251		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	262		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1100		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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MW06R3

12/18/2025 1:37:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-05 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.0 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	210		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	238		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	954		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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MW07R3
12/18/2025 1:04:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0507-06 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L20018	12/20/2025	12/20/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.5 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	164		31.2	mg/L	125	5L19021	12/19/2025	12/23/2025	
Sulfate	75.8		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	756		5.00	"	1	5L18086	12/19/2025	12/23/2025	

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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
Batch 5L18086 - NO PREP										
Blank (5L18086-BLK1) Prepared: 12/19/2025 Analyzed: 12/23/2025										
Total Dissolved Solids	ND	5.00	mg/L							U
LCS (5L18086-BS1) Prepared: 12/19/2025 Analyzed: 12/23/2025										
Total Dissolved Solids	990	5.00	mg/L	1000		99.0	90-110			
Duplicate (5L18086-DUP1) Source: E5L0497-01 Prepared: 12/19/2025 Analyzed: 12/23/2025										
Total Dissolved Solids	2130	5.00	mg/L		2130			0.282	10	
Batch 5L19021 - Filter .45um non acidified										
Blank (5L19021-BLK1) Prepared: 12/19/2025 Analyzed: 12/23/2025										
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (5L19021-BS1) Prepared: 12/19/2025 Analyzed: 12/23/2025										
Chloride	4.04	0.250	mg/L	4.00		101	90-110			
Sulfate	3.90	0.250	"	4.00		97.4	90-110			
Matrix Spike (5L19021-MS1) Source: E5L0496-01 Prepared: 12/19/2025 Analyzed: 12/23/2025										
Chloride	569		mg/L	500	92.6	95.4	90-110			
Sulfate	1130		"	500	677	91.5	90-110			
Matrix Spike Dup (5L19021-MSD1) Source: E5L0496-01 Prepared: 12/19/2025 Analyzed: 12/23/2025										
Chloride	556		mg/L	500	92.6	92.6	90-110	2.46	5	
Sulfate	1120		"	500	677	89.1	90-110	1.07	5	QM-07

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Volatile Organic Compounds by GC/MS SW846 8260D - 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 5L20018 - EPA 5030B (Water)

Blank (5L20018-BLK1)

Prepared: 12/20/2025 Analyzed: 12/20/2025

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U

Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		106	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.8	70-130			

LCS (5L20018-BS1)

Prepared: 12/20/2025 Analyzed: 12/20/2025

1,2,4-Trimethylbenzene	52.7	2.00	ug/L	50.0		105	70-130			
1,3,5-Trimethylbenzene	54.7	2.00	"	50.0		109	70-130			
Benzene	51.1	1.00	"	50.0		102	70-130			
Ethylbenzene	55.4	1.00	"	50.0		111	70-130			
m,p-Xylene	105	2.00	"	100		105	70-130			
Naphthalene	61.5	2.00	"	50.0		123	70-130			
o-Xylene	51.7	1.00	"	50.0		103	70-130			
Toluene	52.6	1.00	"	50.0		105	70-130			

Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Matrix Spike (5L20018-MS1)

Source: E5L0507-01

Prepared: 12/20/2025 Analyzed: 12/22/2025

1,2,4-Trimethylbenzene	47.8	2.00	ug/L	50.0	ND	95.7	70-130			
1,3,5-Trimethylbenzene	48.2	2.00	"	50.0	ND	96.5	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - 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 5L20018 - EPA 5030B (Water)

Matrix Spike (5L20018-MS1)

Source: E5L0507-01

Prepared: 12/20/2025 Analyzed: 12/22/2025

Benzene	44.7	1.00	ug/L	50.0	0.340	88.8	70-130			
Ethylbenzene	49.1	1.00	"	50.0	ND	98.2	70-130			
m,p-Xylene	96.5	2.00	"	100	ND	96.5	70-130			
Naphthalene	54.9	2.00	"	50.0	ND	110	70-130			
o-Xylene	46.4	1.00	"	50.0	ND	92.9	70-130			
Toluene	48.0	1.00	"	50.0	ND	95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Matrix Spike Dup (5L20018-MSD1)

Source: E5L0507-01

Prepared: 12/20/2025 Analyzed: 12/22/2025

1,2,4-Trimethylbenzene	50.7	2.00	ug/L	50.0	ND	101	70-130	5.88	20	
1,3,5-Trimethylbenzene	51.0	2.00	"	50.0	ND	102	70-130	5.52	20	
Benzene	45.8	1.00	"	50.0	0.340	90.9	70-130	2.36	20	
Ethylbenzene	51.0	1.00	"	50.0	ND	102	70-130	3.78	20	
m,p-Xylene	101	2.00	"	100	ND	101	70-130	4.35	20	
Naphthalene	54.3	2.00	"	50.0	ND	109	70-130	0.989	20	
o-Xylene	46.5	1.00	"	50.0	ND	93.1	70-130	0.215	20	
Toluene	48.4	1.00	"	50.0	ND	96.8	70-130	0.934	20	
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

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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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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