



**Ensolum**

**December 01, 2025**

**Jeremy Espinoza**

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

**Wheat Ridge CO 80033**

**Project Name - KMG - GSHI - HSR - Stanley  
Odenbaugh 12-12**

**Project Number - GSH#9926**

Attached are your analytical results for KMG - GSHI - HSR - Stanley Odenbaugh 12-12 received by Origins Laboratory November 19, 2025. This project is associated with Origins project number E5K0497-01.

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





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

Jeremy Espinoza  
Project Number: GSH#9926  
Project: KMG - GSHI - HSR - Stanley Odenbaugh  
12-12

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH02R	E5K0497-01	Water	November 19, 2025 11:32	11/19/2025 14:18
BH03	E5K0497-02	Water	November 19, 2025 12:07	11/19/2025 14:18
BH05R	E5K0497-03	Water	November 19, 2025 12:25	11/19/2025 14:18
BH06	E5K0497-04	Water	November 19, 2025 13:13	11/19/2025 14:18
BH08	E5K0497-05	Water	November 19, 2025 12:46	11/19/2025 14:18
BH09	E5K0497-06	Water	November 19, 2025 13:02	11/19/2025 14:18
BH14	E5K0497-07	Water	November 19, 2025 12:35	11/19/2025 14:18
BH18	E5K0497-08	Water	November 19, 2025 11:56	11/19/2025 14:18
BH19	E5K0497-09	Water	November 19, 2025 11:47	11/19/2025 14:18
BH20	E5K0497-10	Water	November 19, 2025 12:17	11/19/2025 14:18

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager



ESK0497

Client: Ensolum

Project Manager: Jeremy Espinoza

Key:

Address: 11049 W 44TH, Wheat Ridge 80033

Project Name: GSH1-HSR-Stanley Odenbaugh 12-11

W= Water

Project Number: GSH#9926

GW=Groundwater

Telephone Number:

Collected By:

SW=Surface Water

Email Address: KMG Team

Invoice/Billing Info:

KMG Team

WW=Waste Water

S=Soil | SO=Soil/d | O=Oil | A=Air | G=Gas || UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

L=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis					Comments		
							Full List	BTEXN	TMBs	TDS	Chloride		Sulfate	
1	BH02R	11/19/25	11:32	4	GW	UNP	X							
2	BH03		12:07											
3	BH05R		12:25											
4	BH06		13:13											
5	BH08		12:46											
6	BH09		3:02											
7	BH14		12:35											
8	BH18		11:56											
9	BH19		11:47											
10	BH20		12:17											

Relinquished By: Bryce Sidney Date: 11/19/2025 Time: 14:18 Received By: NLM Date: 11/19/25 Time: 14:18

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Temp Received: 2.9°C Received On Ice?  Yes  No

Turnaround Time  SAME DAY  24 Hr  48 Hr  72 Standard

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: E5K0497

Client: Ensolium

Client Project ID: GSH-HSR-Stanley

Checklist Completed by: NB/NKM

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

Date/time completed: 11/20/25

Airbill #: N/A

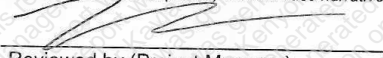
Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_

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

Thermometer ID: T004

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 type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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)/(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 NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<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 in the additional comments (above) and the case narrative.

  
Reviewed by (Project Manager)

11/21/25  
Date/Time Reviewed



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

Jeremy Espinoza  
 Project Number: GSH#9926  
 Project: KMG - GSHI - HSR - Stanley Odenbaugh  
 12-12

**BH02R**

**11/19/2025 11:32:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-01 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	108 %				70-130	"	"	"	
Surrogate: Toluene-d8	85.9 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	151 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	158		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	168		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	716		5.00	"	1	5K20046	11/20/2025	11/21/2025	

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager



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 12-12

**BH03**

**11/19/2025 12:07:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-02 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	108 %				70-130	"	"	"	
Surrogate: Toluene-d8	85.6 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	151 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	163		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	158		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	752		5.00	"	1	5K20046	11/20/2025	11/21/2025	

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 12-12

**BH05R**

**11/19/2025 12:25:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-03 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	73.7		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	
1,3,5-Trimethylbenzene	34.5		2.00	"	"	"	"	"	
Benzene	45.9		10.0	"	10	"	"	11/23/2025	
Ethylbenzene	ND		1.00	"	1	"	"	11/23/2025	U
Naphthalene	2.81		2.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	183		10.0	"	10	"	"	11/23/2025	
Surrogate: 1,2-Dichloroethane-d4	105 %				70-130	"	"	11/23/2025	
Surrogate: Toluene-d8	91.1 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	144 %				70-130	"	"	"	S-GC
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	156		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	141		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	748		5.00	"	1	5K20046	11/20/2025	11/21/2025	

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 12-12

**BH06**

**11/19/2025 1:13:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-04 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	108 %				70-130	"	"	"	
Surrogate: Toluene-d8	86.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	148 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	134		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	180		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	748		5.00	"	1	5K20046	11/20/2025	11/21/2025	

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 12-12

**BH08**

**11/19/2025 12:46:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-05 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	108 %				70-130	"	"	"	
Surrogate: Toluene-d8	86.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	146 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	151		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	194		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	818		5.00	"	1	5K20046	11/20/2025	11/21/2025	

Origins Laboratory

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 12-12

**BH09**

**11/19/2025 1:02:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-06 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	111 %				70-130	"	"	"	
Surrogate: Toluene-d8	87.0 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	148 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	140		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	186		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	770		5.00	"	1	5K20046	11/20/2025	11/21/2025	

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 12-12

**BH14**

**11/19/2025 12:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-07 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	111 %				70-130	"	"	"	
Surrogate: Toluene-d8	87.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	147 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	136		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	185		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	740		5.00	"	1	5K20047	11/20/2025	11/25/2025	

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 12-12

**BH18**

**11/19/2025 11:56:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0497-08 (Water)  
 Origins Laboratory**

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	110 %				70-130	"	"	"	
Surrogate: Toluene-d8	87.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	147 %				70-130	"	"	"	S-07

**Chloride and Sulfate By EPA 300.0**

Chloride	141		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	158		31.2	"	"	"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	784		5.00	"	1	5K20047	11/20/2025	11/25/2025	
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**BH19**

**11/19/2025 11:47:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5K0497-09 (Water) Origins Laboratory</b>									
<b>BTEX+N+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	110 %				70-130	"	"	"	
Surrogate: Toluene-d8	87.6 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	146 %				70-130	"	"	"	S-07
<b>Chloride and Sulfate By EPA 300.0</b>									
Chloride	139		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	158		31.2	"	"	"	"	"	
<b>Total Dissolved Solids by 2540C</b>									
Total Dissolved Solids	724		5.00	"	1	5K20047	11/20/2025	11/25/2025	

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Kayla Kenyon For Jen Pellegrini, Project Manager



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Jeremy Espinoza  
 Project Number: GSH#9926  
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 12-12

**BH20**

**11/19/2025 12:17:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0497-10 (Water)  
 Origins Laboratory**

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5K21072	11/21/2025	11/23/2025	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	111 %				70-130	"	"	"	
Surrogate: Toluene-d8	87.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	146 %				70-130	"	"	"	S-07

**Chloride and Sulfate By EPA 300.0**

Chloride	141		31.2	mg/L	125	5K21067	11/21/2025	11/24/2025	
Sulfate	167		31.2	"	"	"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	764		5.00	"	1	5K20047	11/20/2025	11/25/2025	
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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
<b>Batch 5K20046 - NO PREP</b>										
<b>Blank (5K20046-BLK1)</b>										
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Total Dissolved Solids	ND	5.00	mg/L							U
<b>LCS (5K20046-BS1)</b>										
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Total Dissolved Solids	990	5.00	mg/L	1020		97.1	90-110			
<b>Duplicate (5K20046-DUP1)</b>										
					<b>Source: E5K0486-03</b>					
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Total Dissolved Solids	9060	5.00	mg/L		9030			0.332	10	
<b>Batch 5K20047 - NO PREP</b>										
<b>Blank (5K20047-BLK1)</b>										
					Prepared: 11/20/2025 Analyzed: 11/25/2025					
Total Dissolved Solids	ND	5.00	mg/L							U
<b>LCS (5K20047-BS1)</b>										
					Prepared: 11/20/2025 Analyzed: 11/25/2025					
Total Dissolved Solids	1000	5.00	mg/L	1020		98.0	90-110			
<b>Duplicate (5K20047-DUP1)</b>										
					<b>Source: E5K0497-07</b>					
					Prepared: 11/20/2025 Analyzed: 11/25/2025					
Total Dissolved Solids	760	5.00	mg/L		740			2.67	10	
<b>Batch 5K21067 - Filter .45um non acidified</b>										
<b>Blank (5K21067-BLK1)</b>										
					Prepared: 11/21/2025 Analyzed: 11/24/2025					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
<b>LCS (5K21067-BS1)</b>										
					Prepared: 11/21/2025 Analyzed: 11/24/2025					
Chloride	4.02	0.250	mg/L	4.00		100	90-110			
Sulfate	3.97	0.250	"	4.00		99.2	90-110			

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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
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Batch 5K21067 - Filter .45um non acidified

**Matrix Spike (5K21067-MS1)**

Source: E5K0497-01

Prepared: 11/21/2025 Analyzed: 11/24/2025

Chloride	650		mg/L	500	158	98.4	90-110			
Sulfate	663		"	500	168	99.0	90-110			

**Matrix Spike Dup (5K21067-MSD1)**

Source: E5K0497-01

Prepared: 11/21/2025 Analyzed: 11/24/2025

Chloride	659		mg/L	500	158	100	90-110	1.35	5	
Sulfate	662		"	500	168	98.9	90-110	0.0283	5	

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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 5K21072 - EPA 5030B (Water)**

Prepared: 11/21/2025 Analyzed: 11/23/2025

**Blank (5K21072-BLK1)**

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	66		"	62.5		105	70-130			
Surrogate: Toluene-d8	54		"	62.5		85.8	70-130			
Surrogate: 4-Bromofluorobenzene	95		"	62.5		152	70-130			S-07

**LCS (5K21072-BS1)**

Prepared: 11/21/2025 Analyzed: 11/23/2025

1,2,4-Trimethylbenzene	43.4	2.00	ug/L	50.0		86.7	70-130			
1,3,5-Trimethylbenzene	43.2	2.00	"	50.0		86.5	70-130			
Benzene	43.6	1.00	"	50.0		87.3	70-130			
Ethylbenzene	45.1	1.00	"	50.0		90.2	70-130			
m,p-Xylene	84.3	2.00	"	100		84.3	70-130			
Naphthalene	40.4	2.00	"	50.0		80.8	70-130			
o-Xylene	40.2	1.00	"	50.0		80.3	70-130			
Toluene	41.4	1.00	"	50.0		82.9	70-130			

Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	53		"	62.5		85.2	70-130			
Surrogate: 4-Bromofluorobenzene	96		"	62.5		154	70-130			S-07

**Matrix Spike (5K21072-MS1)**

Source: E5K0497-01

Prepared: 11/21/2025 Analyzed: 11/23/2025

1,2,4-Trimethylbenzene	46.9	2.00	ug/L	50.0	ND	93.8	70-130			
1,3,5-Trimethylbenzene	44.0	2.00	"	50.0	ND	88.0	70-130			

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 12-12

**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 5K21072 - EPA 5030B (Water)**

<b>Matrix Spike (5K21072-MS1)</b>		<b>Source: E5K0497-01</b>			<b>Prepared: 11/21/2025 Analyzed: 11/23/2025</b>					
Benzene	42.6	1.00	ug/L	50.0	ND	85.3	70-130			
Ethylbenzene	43.5	1.00	"	50.0	ND	87.0	70-130			
m,p-Xylene	83.9	2.00	"	100	ND	83.9	70-130			
Naphthalene	44.9	2.00	"	50.0	0.600	88.7	70-130			
o-Xylene	42.8	1.00	"	50.0	ND	85.6	70-130			
Toluene	41.7	1.00	"	50.0	ND	83.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	53		"	62.5		85.6	70-130			
Surrogate: 4-Bromofluorobenzene	96		"	62.5		153	70-130			S-07

<b>Matrix Spike Dup (5K21072-MSD1)</b>		<b>Source: E5K0497-01</b>			<b>Prepared: 11/21/2025 Analyzed: 11/23/2025</b>					
1,2,4-Trimethylbenzene	47.8	2.00	ug/L	50.0	ND	95.6	70-130	1.86	20	
1,3,5-Trimethylbenzene	49.5	2.00	"	50.0	ND	99.0	70-130	11.7	20	
Benzene	48.3	1.00	"	50.0	ND	96.7	70-130	12.5	20	
Ethylbenzene	47.6	1.00	"	50.0	ND	95.1	70-130	8.89	20	
m,p-Xylene	94.3	2.00	"	100	ND	94.3	70-130	11.7	20	
Naphthalene	38.1	2.00	"	50.0	0.600	75.1	70-130	16.4	20	
o-Xylene	42.4	1.00	"	50.0	ND	84.7	70-130	1.06	20	
Toluene	46.5	1.00	"	50.0	ND	93.1	70-130	10.9	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	70-130			
Surrogate: Toluene-d8	52		"	62.5		83.4	70-130			
Surrogate: 4-Bromofluorobenzene	97		"	62.5		156	70-130			S-07

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12-12

### Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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