

ORIGINS LABORATORY

Fremont Environmental

Paul Henehan

8305 6th St, PO Box 1289

Wellington

CO

80549

April 01, 2025

**Project Name - Margaret Spaulding - Walden
ECMC**

Project Number - CO16-119

Attached are your analytical results for Margaret Spaulding - Walden ECMC received by Origins Laboratory May 17, 2024.
This project is associated with Origins project number Y405556-01.

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.

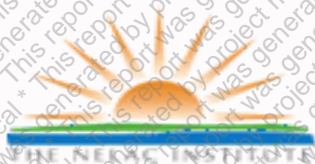
The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

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



Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	Y405556-01	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-2	Y405556-02	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-3	Y405556-03	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-4	Y405556-04	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-6	Y405556-05	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-7	Y405556-06	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-8	Y405556-07	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-9	Y405556-08	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-10	Y405556-09	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-11	Y405556-10	Water	May 15, 2024 0:00	05/17/2024 14:37
MW-E	Y405556-11	Water	May 15, 2024 0:00	05/17/2024 14:37

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Paul Henehan
 Project Number: CO16-119
 Project: Margaret Spaulding - Walden ECMC



465556

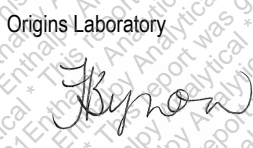
page 1 of 2

Client: Fremont Env
 Project Manager: Paul Henehan
 Project Name: Margaret Spaulding - Walden ECMC
 Project Number: CO16-119
 Samples Collected By: Mike Coakley
 Address: 8305 6th St, PO Box 1289, Wellington, CO 80549
 Telephone Number: 970.237.2772
 Email Address: Mike@fremontenv.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
MW-1	5/1/24		5	Unpreserved	Soil	Asst	
MW-2							
MW-3							
MW-4							
MW-5							
MW-6							
MW-7							
MW-8							
MW-9							
MW-10							
MW-11							

Relinquished By: [Signature] Date: 5/1/24 Time: 12:00
 Relinquished By: [Signature] Date: 5/1/24 Time: 11:37
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Date Results Needed: 5/6
 Temp received: 5.6



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: CO16-119
 Project: Margaret Spaulding - Walden ECMC

MW-1
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-01 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.8 %				70-130	"	"	"	
Surrogate: Toluene-d8	98.5 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	114		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-2
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-02 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.1 %				70-130	"	"	"	
Surrogate: Toluene-d8	99.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	128		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-3
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-03 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.6 %				70-130	"	"	"	
Surrogate: Toluene-d8	99.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	140		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-4
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-04 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	95.9%				70-130	"	"	"	
Surrogate: Toluene-d8	101%				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103%				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	116		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-6
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-05 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.4%				70-130	"	"	"	
Surrogate: Toluene-d8	101%				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	104%				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	108		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-7
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-06 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	351		100	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	95.8 %				70-130	"	"	"	
Surrogate: Toluene-d8	103 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	270		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-8
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-07 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	10.8		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	6.19		1.00	"	"	"	"	"	
Naphthalene	158		4.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	3030		100	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	92.8 %				70-130	"	"	"	
Surrogate: Toluene-d8	115 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	236		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Wellington CO 80549

Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-9
5/15/2024 12:00:00AM

Y405556-08 (Water)
Origins Laboratory

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	36.0		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	836		10.0	ug/L	10	B4E2028	05/20/2024	05/21/2024	
1,3,5-Trimethylbenzene	35.2		1.00	"	1	"	"	05/21/2024	
Benzene	1.33		1.00	"	"	"	"	"	
Ethylbenzene	138		1.00	"	"	"	"	"	
Naphthalene	183		4.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	225		1.00	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Total Dissolved Solids by 2540C									
Surrogate: 1,2-Dichloroethane-d4	95.4 %			70-130	"	"	"	"	
Surrogate: Toluene-d8	110 %			70-130	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %			70-130	"	"	"	"	
Total Dissolved Solids	392		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-10

5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-09 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	1150		10.0	ug/L	10	B4E2028	05/20/2024	05/21/2024	
1,3,5-Trimethylbenzene	46.3		1.00	"	1	"	"	05/21/2024	
Benzene	1.09		1.00	"	"	"	"	"	
Ethylbenzene	58.6		1.00	"	"	"	"	"	
Naphthalene	174		4.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	22.4		1.00	"	"	"	"	"	
Gasoline Range Hydrocarbons	2770		100	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.6 %				70-130	"	"	"	
Surrogate: Toluene-d8	107 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	200		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-11

5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-10 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	32.2		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	130		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	
1,3,5-Trimethylbenzene	5.28		1.00	"	"	"	"	"	
Benzene	2.84		1.00	"	"	"	"	"	
Ethylbenzene	2.38		1.00	"	"	"	"	"	
Naphthalene	138		4.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	2700		100	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	93.9 %			70-130	"	"	"	"	
Surrogate: Toluene-d8	110 %			70-130	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	366		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

MW-E
5/15/2024 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Y405556-11 (Water)									
Origins Laboratory									
Anions by IC 300.0									
Chloride	ND		31.2	mg/L	125	B4E2014	05/20/2024	05/21/2024	
Sulfate	ND		31.2	"	"	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B4E2028	05/20/2024	05/21/2024	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	14.0		4.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		100	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.6 %				70-130	"	"	"	
Surrogate: Toluene-d8	108 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %				70-130	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	292		5.00	mg/L	1	B4E1739	05/17/2024	05/22/2024	

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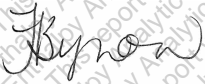
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Fremont Environmental
8305 6th St, PO Box 1289
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Paul Henehan
Project Number: CO16-119
Project: Margaret Spaulding - Walden ECMC

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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 B4E1739 - NO PREP										
Blank (B4E1739-BLK1)					Prepared: 05/17/2024 Analyzed: 05/22/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4E1739-BS1)										
					Prepared: 05/17/2024 Analyzed: 05/22/2024					
Total Dissolved Solids	1030	5.00	mg/L	1070		96.4	90-110			
Duplicate (B4E1739-DUP1)										
					Source: Y405550-01 Prepared: 05/17/2024 Analyzed: 05/22/2024					
Total Dissolved Solids	1200	5.00	mg/L		1180			1.34	10	
Batch B4E2014 - Filter .45um non acidified										
Blank (B4E2014-BLK1)					Prepared: 05/20/2024 Analyzed: 05/21/2024					
Chloride	ND	0.250	mg/L							
LCS (B4E2014-BS1)										
					Prepared: 05/20/2024 Analyzed: 05/21/2024					
Chloride	3.99	0.250	mg/L	4.00		99.8	90-110			
Matrix Spike (B4E2014-MS1)										
					Source: Y405551-02 Prepared: 05/20/2024 Analyzed: 05/21/2024					
Chloride	539		mg/L	500	42.7	99.3	90-110			
Matrix Spike Dup (B4E2014-MSD1)										
					Source: Y405551-02 Prepared: 05/20/2024 Analyzed: 05/21/2024					
Chloride	544		mg/L	500	42.7	100	90-110	0.907	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 B4E2028 - EPA 5030B (Water)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Blank (B4E2028-BLK1)

1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
m,p-Xylene	ND	2.00	"							U
Naphthalene	ND	4.00	"							U
o-Xylene	ND	1.00	"							U
Toluene	ND	1.00	"							U
Gasoline Range Hydrocarbons	ND	100	"							U

Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.6	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

LCS (B4E2028-BS1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	57.2	1.00	ug/L	50.0		114	70-130			
1,3,5-Trimethylbenzene	57.0	1.00	"	50.0		114	70-130			
Benzene	53.5	1.00	"	50.0		107	70-130			
Ethylbenzene	57.3	1.00	"	50.0		115	70-130			
m,p-Xylene	116	2.00	"	100		116	70-130			
Naphthalene	48.2	4.00	"	50.0		96.3	70-130			
o-Xylene	57.1	1.00	"	50.0		114	70-130			
Toluene	52.3	1.00	"	50.0		105	70-130			

Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.1	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	70-130			

Matrix Spike (B4E2028-MS1)

Source: Y405547-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

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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 B4E2028 - EPA 5030B (Water)

Matrix Spike (B4E2028-MS1)

Source: Y405547-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	56.6	1.00	ug/L	50.0	ND	113	70-130			
1,3,5-Trimethylbenzene	58.6	1.00	"	50.0	ND	117	70-130			
Benzene	55.4	1.00	"	50.0	ND	111	70-130			
Ethylbenzene	59.5	1.00	"	50.0	ND	119	70-130			
m,p-Xylene	120	2.00	"	100	ND	120	70-130			
Naphthalene	45.2	4.00	"	50.0	0.630	89.1	70-130			
o-Xylene	57.8	1.00	"	50.0	ND	116	70-130			
Toluene	55.1	1.00	"	50.0	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.6	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.2	70-130			

Matrix Spike Dup (B4E2028-MSD1)

Source: Y405547-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	55.3	1.00	ug/L	50.0	ND	111	70-130	2.38	20	
1,3,5-Trimethylbenzene	56.4	1.00	"	50.0	ND	113	70-130	3.81	20	
Benzene	53.6	1.00	"	50.0	ND	107	70-130	3.30	20	
Ethylbenzene	58.0	1.00	"	50.0	ND	116	70-130	2.61	20	
m,p-Xylene	118	2.00	"	100	ND	118	70-130	1.97	20	
Naphthalene	46.3	4.00	"	50.0	0.630	91.3	70-130	2.41	20	
o-Xylene	58.1	1.00	"	50.0	ND	116	70-130	0.449	20	
Toluene	53.5	1.00	"	50.0	ND	107	70-130	2.97	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.9	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		96.9	70-130			

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Notes and Definitions

- U Sample is Non-Detect.
 - 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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