



November 02, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. November 01, 2022. This project is associated with Origins project number Y211028-01.

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, Inc.
303.433.1322
o-squad@oelabinc.com



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-01	Y211028-01	Water	November 1, 2022 12:05	11/01/2022 15:05

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Sample Receipt Checklist

Origins Work Order: 4211028 Client: Eagle Environmental
 Client Project ID: Strong P 28-2

Checklist Completed by: JST/DE Shipped Via: FUP
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 1/10/22 Airbill #: n/a

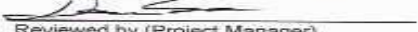
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
(Describe)

Cooler Number/Temperature: 1 / 8.0-c / _____ °c / _____ °c / _____ °c

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		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 ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	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 ⁽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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAs+NaOH)	X			not checked
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) 1/10/2022
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

GW-01

11/1/2022 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211028-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	12.2	2.00	ug/L	1	B2K0126	JSM	11/01/2022	11/02/2022	
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	2.17	1.00	"	"	"	JSM	"	"	
Xylenes, total	5.17	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.9 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0126 - EPA 5030B (Water)

Blank (B2K0126-BLK1)

Prepared: 11/01/2022 Analyzed: 11/01/2022

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	64		"	62.5	103		70-130			
Surrogate: Toluene-d8	59		"	62.5	94.1		70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.4		70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0126 - EPA 5030B (Water)

LCS (B2K0126-BS1)

Prepared: 11/01/2022 Analyzed: 11/01/2022

1,2,4-Trimethylbenzene	49.2	2.00	ug/L	50.0		98.4	70-130			
1,3,5-Trimethylbenzene	50.3	2.00	"	50.0		101	70-130			
Benzene	42.7	1.00	"	50.0		85.4	70-130			
Ethylbenzene	41.4	1.00	"	50.0		82.7	70-130			
m,p-Xylene	94.4	2.00	"	100		94.4	70-130			
Naphthalene	45.2	2.00	"	50.0		90.3	70-130			
o-Xylene	43.4	1.00	"	50.0		86.8	70-130			
Toluene	47.3	1.00	"	50.0		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.8	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0126 - EPA 5030B (Water)

Matrix Spike (B2K0126-MS1)	Source: Y211007-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
1,2,4-Trimethylbenzene	52.4	2.00	ug/L	50.0	ND	105	70-130			
1,3,5-Trimethylbenzene	54.3	2.00	"	50.0	ND	109	70-130			
Benzene	45.1	1.00	"	50.0	ND	90.1	70-130			
Ethylbenzene	41.7	1.00	"	50.0	ND	83.4	70-130			
m,p-Xylene	97.2	2.00	"	100	ND	97.2	70-130			
Naphthalene	40.5	2.00	"	50.0	ND	81.0	70-130			
o-Xylene	44.3	1.00	"	50.0	ND	88.6	70-130			
Toluene	49.5	1.00	"	50.0	ND	99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	68		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5		88.7	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0126 - EPA 5030B (Water)

Matrix Spike Dup (B2K0126-MSD1)	Source: Y211007-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
1,2,4-Trimethylbenzene	51.5	2.00	ug/L	50.0	ND	103	70-130	1.73	20	
1,3,5-Trimethylbenzene	51.4	2.00	"	50.0	ND	103	70-130	5.54	20	
Benzene	42.7	1.00	"	50.0	ND	85.4	70-130	5.35	20	
Ethylbenzene	41.7	1.00	"	50.0	ND	83.4	70-130	0.0480	20	
m,p-Xylene	94.0	2.00	"	100	ND	94.0	70-130	3.37	20	
Naphthalene	45.4	2.00	"	50.0	ND	90.8	70-130	11.5	20	
o-Xylene	42.8	1.00	"	50.0	ND	85.5	70-130	3.58	20	
Toluene	47.8	1.00	"	50.0	ND	95.6	70-130	3.54	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.1	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		84.8	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 at a wet weight basis.

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