



June 21, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Eldridge 4-23

Project Number - [none]

Attached are your analytical results for Eldridge 4-23 received by Origins Laboratory, Inc. June 19, 2017. This project is associated with Origins project number Y706252-01.

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



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Eldridge 4-23

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-05@8'	Y706252-01	Soil	June 19, 2017 12:55	06/19/2017 15:55
SS-06@8'	Y706252-02	Soil	June 19, 2017 13:00	06/19/2017 15:55
SS-07@8'	Y706252-03	Soil	June 19, 2017 12:45	06/19/2017 15:55
SS-08@8'	Y706252-04	Soil	June 19, 2017 12:50	06/19/2017 15:55
SS-09@8'	Y706252-05	Soil	June 19, 2017 12:35	06/19/2017 15:55
SS-10@8'	Y706252-06	Soil	June 19, 2017 12:40	06/19/2017 15:55
SS-11@8'	Y706252-07	Soil	June 19, 2017 13:05	06/19/2017 15:55
SS-12@8'	Y706252-08	Soil	June 19, 2017 13:10	06/19/2017 15:55

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

www.originslaboratory.com  
**Y700252**  
 Project Manager: MICHAEL ECKERT III  
 Project Name: ELDRIDGE 4-23  
 Project Number:                       
 Samples Collected By: AR  
 Client: EAGLE ENV CONSULTING  
 Address: 4101 INCA ST  
DENVER, CO  
 Telephone Number: 303 433 0479  
 Email Address: MCE3@eagle-enviro.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Pit Contents #	Other	GRX		DRD
SS-05 Q8	6/19/08	1255	2	X				X				X		
SS-06 Q8		1300	1											
SS-07 Q8		1245	1											
SS-08 Q8		1250	1											
SS-09 Q8		1235	1											
SS-10 Q8		1240	1											
SS-11 Q8		1305	1											
SS-12 Q8		1510	1											
Relinquished By: <u>[Signature]</u>	Date: 6/19/08	Time: 1555	Time: 1555	Received By: <u>[Signature]</u>	Date: 6/17/08	Time: 1555	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard							

Temp Received: 26.2 Date Result Needed:                     

Origins Laboratory, Inc.

*Jefe Pellegrini*

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 170652

Client: Eagle Env.

Client Project ID: Eldridge Eldridge 4-23

Checklist Completed by: DL

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

Date/time completed: 6-19-12 1:50

Airbill #: NA

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

Cooler Number/Temperature:  / 2.6 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe)

Thermometer ID: 1127

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

6/20/12 Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

SS-05@8'

6/19/2017 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y706252-01 (Soil)

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	124	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017
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Surrogate: o-Terphenyl	97.2 %	59-131			"	"	"
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	3840	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017
Benzene	35.4	0.498	"	"	"	"	"
Toluene	53.4	0.498	"	"	"	"	"
Ethylbenzene	13.2	0.498	"	"	"	"	"
Xylenes, total	81.1	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130			"	"	"
Surrogate: Toluene-d8	77.2 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**SS-06@8'**  
**6/19/2017 1:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y706252-02 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017	U
Surrogate: o-Terphenyl	88.2 %	59-131			"	"	"	

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>3440</b>	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017	
Benzene	<b>45.1</b>	0.498	"	"	"	"	"	
Toluene	<b>73.9</b>	0.498	"	"	"	"	"	
Ethylbenzene	<b>6.34</b>	0.498	"	"	"	"	"	
Xylenes, total	<b>42.4</b>	0.498	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	84.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

SS-07@8'

6/19/2017 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y706252-03 (Soil)

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	241	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017
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Surrogate: o-Terphenyl	99.5 %	59-131			"	"	"
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	4520	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017
Benzene	48.0	0.498	"	"	"	"	"
Toluene	39.4	0.498	"	"	"	"	"
Ethylbenzene	12.3	0.498	"	"	"	"	"
Xylenes, total	78.8	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	75.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

SS-08@8'

6/19/2017 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y706252-04 (Soil)

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	202	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017	
Surrogate: o-Terphenyl	92.5 %	59-131			"	"	"	

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	54.7	5.00	mg/kg	25	B7F2003	06/20/2017	06/20/2017	
Benzene	0.058	0.050	"	"	"	"	"	
Toluene	0.080	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	06/20/2017	
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

SS-09@8'

6/19/2017 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y706252-05 (Soil)

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	211	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017
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Surrogate: o-Terphenyl	91.6 %	59-131			"	"	"
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	1270	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017
Benzene	12.3	0.498	"	"	"	"	"
Toluene	4.16	0.498	"	"	"	"	"
Ethylbenzene	7.46	0.498	"	"	"	"	"
Xylenes, total	42.9	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"
Surrogate: Toluene-d8	94.0 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	94.8 %	70-130			"	"	"

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**SS-10@8'**  
**6/19/2017 12:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y706252-06 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	84.7	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017	
Surrogate: o-Terphenyl	95.1 %	59-131			"	"	"	

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	2190	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017	
Benzene	31.1	0.498	"	"	"	"	"	
Toluene	56.5	0.498	"	"	"	"	"	
Ethylbenzene	10.2	0.498	"	"	"	"	"	
Xylenes, total	65.7	0.498	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

SS-11@8'  
 6/19/2017 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y706252-07 (Soil)

### Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	152	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017
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Surrogate: o-Terphenyl	78.8 %	59-131			"	"	"
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### GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	2310	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017
Benzene	26.1	0.498	"	"	"	"	"
Toluene	61.6	0.498	"	"	"	"	"
Ethylbenzene	10.9	0.498	"	"	"	"	"
Xylenes, total	72.1	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130			"	"	"
Surrogate: Toluene-d8	95.3 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.6 %	70-130			"	"	"

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Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**SS-12@8'**  
**6/19/2017 1:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y706252-08 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

Diesel (C10-C28)	105	50.0	mg/kg	1	B7F2102	06/20/2017	06/20/2017
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Surrogate: o-Terphenyl	91.2 %	59-131			"	"	"
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	2770	50.0	mg/kg	250	B7F2003	06/20/2017	06/20/2017
Benzene	41.0	0.498	"	"	"	"	"
Toluene	23.2	0.498	"	"	"	"	"
Ethylbenzene	20.5	0.498	"	"	"	"	"
Xylenes, total	101	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130			"	"	"
Surrogate: Toluene-d8	95.0 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	96.6 %	70-130			"	"	"

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)**

**Blank (B7F2003-BLK1)**

Prepared: 06/20/2017 Analyzed: 06/20/2017

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.4	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B7F2003 - EPA 5030 (soil)</b>										
<b>Blank (B7F2003-BLK2)</b>										
					Prepared: 06/20/2017 Analyzed: 06/20/2017					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	61		"	62.5		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		95.2	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

**LCS (B7F2003-BS1)**

Prepared: 06/20/2017 Analyzed: 06/20/2017

Benzene	0.101	0.002	mg/kg	0.100		101	77.1-124			
Toluene	0.093	0.002	"	0.100		92.7	74.5-128			
Ethylbenzene	0.104	0.002	"	0.100		104	66.4-127			
m,p-Xylene	0.207	0.004	"	0.200		103	76.6-124			
o-Xylene	0.098	0.002	"	0.100		98.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	70-130			

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 Project Number: [none]  
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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

**LCS (B7F2003-BS2)**

Prepared: 06/20/2017 Analyzed: 06/20/2017

Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.095	0.002	"	0.100		95.0	74.5-128			
Ethylbenzene	0.107	0.002	"	0.100		107	66.4-127			
m,p-Xylene	0.209	0.004	"	0.200		104	76.6-124			
o-Xylene	0.100	0.002	"	0.100		99.7	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.9	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

Matrix Spike (B7F2003-MS1)	Source: Y706239-01			Prepared: 06/20/2017 Analyzed: 06/20/2017						
Benzene	0.096	0.002	mg/kg	0.100	ND	96.3	71.8-126			
Toluene	0.087	0.002	"	0.100	ND	87.0	65.1-130			
Ethylbenzene	0.097	0.002	"	0.100	ND	96.5	62.2-130			
m,p-Xylene	0.190	0.004	"	0.200	ND	95.0	46.5-137			
o-Xylene	0.089	0.002	"	0.100	ND	89.5	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

Matrix Spike (B7F2003-MS2)	Source: Y706239-02			Prepared: 06/20/2017 Analyzed: 06/20/2017						
Benzene	0.086	0.002	mg/kg	0.100	ND	86.2	71.8-126			
Toluene	0.072	0.002	"	0.100	ND	72.3	65.1-130			
Ethylbenzene	0.074	0.002	"	0.100	ND	73.9	62.2-130			
m,p-Xylene	0.146	0.004	"	0.200	ND	73.1	46.5-137			
o-Xylene	0.071	0.002	"	0.100	ND	70.7	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	69		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.3	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Denver CO 80211

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 Project Number: [none]  
 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

Matrix Spike Dup (B7F2003-MSD1)	Source: Y706239-01			Prepared: 06/20/2017 Analyzed: 06/20/2017						
Benzene	0.090	0.002	mg/kg	0.100	ND	90.5	71.8-126	6.27	11.3	
Toluene	0.081	0.002	"	0.100	ND	81.0	65.1-130	7.09	15.4	
Ethylbenzene	0.090	0.002	"	0.100	ND	90.5	62.2-130	6.46	19.6	
m,p-Xylene	0.177	0.004	"	0.200	ND	88.7	46.5-137	6.83	19.2	
o-Xylene	0.085	0.002	"	0.100	ND	85.1	54.2-134	5.04	17.9	
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.4	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7F2003 - EPA 5030 (soil)

Matrix Spike Dup (B7F2003-MSD2)	Source: Y706239-02			Prepared: 06/20/2017 Analyzed: 06/20/2017						
Benzene	0.085	0.002	mg/kg	0.100	ND	85.3	71.8-126	1.05	11.3	
Toluene	0.073	0.002	"	0.100	ND	72.9	65.1-130	0.827	15.4	
Ethylbenzene	0.075	0.002	"	0.100	ND	74.7	62.2-130	1.08	19.6	
m,p-Xylene	0.146	0.004	"	0.200	ND	73.1	46.5-137	0.00	19.2	
o-Xylene	0.070	0.002	"	0.100	ND	70.4	54.2-134	0.425	17.9	
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		113	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.8	70-130			

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Martin C Eckert III  
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 Project: Eldridge 4-23

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B7F2102 - EPA 3580**

**Blank (B7F2102-BLK1)**

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 62 " 50.0 124 59-131

**Blank (B7F2102-BLK2)**

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 52 " 50.0 104 59-131

**LCS (B7F2102-BS1)**

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) 840 50.0 mg/kg 1000 84.0 64-121

Surrogate: o-Terphenyl 46 " 50.0 92.8 59-131

**LCS (B7F2102-BS2)**

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) 1140 50.0 mg/kg 1000 114 64-121

Surrogate: o-Terphenyl 59 " 50.0 118 59-131

**Matrix Spike (B7F2102-MS1)**

Source: Y706269-01

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) 820 50.0 mg/kg 1000 ND 82.0 53-125

Surrogate: o-Terphenyl 43 " 50.0 86.6 59-131

**Matrix Spike (B7F2102-MS2)**

Source: Y706269-02

Prepared: 06/21/2017 Analyzed: 06/21/2017

Diesel (C10-C28) 888 50.0 mg/kg 1000 88.8 53-125

Surrogate: o-Terphenyl 45 " 50.0 90.0 59-131

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Martin C Eckert III  
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 Project: Eldridge 4-23

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B7F2102 - EPA 3580</b>										
<b>Matrix Spike Dup (B7F2102-MSD1)</b>		<b>Source: Y706269-01</b>			Prepared: 06/21/2017 Analyzed: 06/21/2017					
Diesel (C10-C28)	810	50.0	mg/kg	1000	ND	81.0	53-125	1.11	20	
Surrogate: o-Terphenyl	43		"	50.0		86.3	59-131			

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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Eldridge 4-23

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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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Jen Pellegrini For Noelle Doyle Mathis, President