



May 20, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - KY Blue H25-15

Project Number - [none]

Attached are your analytical results for Chevron - KY Blue H25-15 received by Origins Laboratory, Inc. May 03, 2024. This project is associated with Origins project number Y405139-01.

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

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - KY Blue H25-15

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6'	Y405139-01	Soil	May 2, 2024 10:00	05/03/2024 17:10
FLR01@4	Y405139-02	Soil	May 2, 2024 10:05	05/03/2024 17:10

Origins Laboratory, Inc.


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ORIGINS LABORATORY, INC

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - KY Blue H25-15

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

Sample Receipt Checklist

Origins Work Order: 44051389 Client: Entrada
Client Project ID: KY BLUE H25-15
Checklist Completed by: JBY Shipped Via: HD
(USPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 5/16/24 Airbill #: N/A
Matrix(s) Received: (Check all that apply) Soil/Solid Water Other: _____
Cooler Number/Temperature: 1, 95 °C / _____ °C / _____ °C (Describe) _____ °C
Thermometer ID: 1005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>			
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 analysis in order to insure sample integrity) (pH < 2 for samples preserved with HNO3; HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			
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 be in the additional comments (above) and the case narrative.

Reviewed by: JBY (Project Manager)

Date/Time Reviewed: 5/17/24

Origins Laboratory, Inc.

JBY

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

WH01@6'
 5/2/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.214		0.100	mg/L	1	B4E0711	05/07/2024	05/08/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	98.4 %		50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E0648	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130	"	"	"	"	"	
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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

WH01@6'
 5/2/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %		70-130			B4E06 48	05/06/2024	05/07/2024	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	14.5		0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024	
Magnesium	2.87		0.823	"	"	"	"	"	
Sodium	3.08		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.004		0.002	mg/kg	1	B4E0734	05/07/2024	05/09/2024	
2-Methylnaphthalene	0.004		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

WH01@6'
 5/2/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4E0734	05/07/2024	05/09/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101.0%		60-130						
Surrogate: Anthracene-d10	95.5%		60-130						
Surrogate: Pyrene-d10	86.3%		60-130						
Surrogate: Benzo (a) pyrene-d12	96.7%		60-130						

pH in Soil by 9045D

pH	8.12			pH Units	1	B4E0721	05/07/2024	05/08/2024	
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SAR by 20B Saturated Paste

SAR	1.04		0.0100	SAR	1	B4E0716	05/07/2024	05/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.31		0.00500	mmhos/cm	1	B4E0721	05/07/2024	05/08/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

WH01@6'
 5/2/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.08		0.270	mg/kg	10	B4E0645	05/06/2024	05/10/2024	
Barium	33.9		9.33	"	"	"	"	"	
Cadmium	0.151		0.0933	"	"	"	"	"	
Copper	ND		9.33	"	"	"	"	"	
Lead	5.09		0.933	"	"	"	"	"	
Nickel	3.19		0.933	"	"	"	"	"	
Selenium	ND		0.242	"	"	"	"	"	
Silver	ND		0.0933	"	"	"	"	"	
Zinc	43.0		34.5	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.124	0.310	mg/kg dry	1	2609023	05/08/2024	05/09/2024	U
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

FLR01@4

5/2/2024 10:05:00AM

Origins Laboratory, Inc.
Y405139-02 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Boron (DTPA Sorbitol)

Boron	0.122		0.100	mg/L	1	B4E0711	05/07/2024	05/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 96.7% 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E0648	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 110% 70-130 " " "

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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

FLR01@4

5/2/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %		70-130			B4E06 48	05/06/2024	05/07/2024	
Surrogate: 4-Bromofluorobenzene	99.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.35		0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.07		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4E0734	05/07/2024	05/09/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

FLR01@4

5/2/2024 10:05:00AM

Origins Laboratory, Inc.
Y405139-02 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4E0734	05/07/2024	05/09/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	87.0 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.0 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.90			pH Units	1	B4E0721	05/07/2024	05/08/2024	
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SAR by 20B Saturated Paste

SAR	0.747		0.0100	SAR	1	B4E0716	05/07/2024	05/08/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.573		0.00500	mmhos/cm	1	B4E0721	05/07/2024	05/08/2024	
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Table 915 metals by EPA 6020B

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

FLR01@4

5/2/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405139-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.87		0.249	mg/kg	10	B4E0645	05/06/2024	05/09/2024	
Barium	96.8		8.58	"	"	"	"	"	"
Cadmium	0.317		0.0858	"	"	"	"	"	"
Copper	22.8		8.58	"	"	"	"	"	"
Lead	29.2		0.858	"	"	"	"	"	"
Nickel	6.44		0.858	"	"	"	"	"	"
Selenium	0.235		0.223	"	"	"	"	"	"
Silver	0.373		0.0858	"	"	"	"	"	"
Zinc	74.3		31.8	"	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.0951	0.238	mg/kg dry	1	2609023	05/08/2024	05/09/2024	U
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

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 B4E0648 - EPA 5030 (soil)

Prepared: 05/06/2024 Analyzed: 05/07/2024

Blank (B4E0648-BLK1)

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

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 B4E0648 - EPA 5030 (soil)

LCS (B4E0648-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.0951	0.00200	mg/kg	0.100		95.1	70-130			
1,3,5-Trimethylbenzene	0.0959	0.00200	"	0.100		95.9	70-130			
Benzene	0.0899	0.00200	"	0.100		89.9	70-130			
Ethylbenzene	0.0911	0.00200	"	0.100		91.1	70-130			
Naphthalene	0.0857	0.00380	"	0.100		85.7	70-130			
Toluene	0.0931	0.00200	"	0.100		93.1	70-130			
o-Xylene	0.0942	0.00200	"	0.100		94.2	70-130			
m,p-Xylene	0.177	0.00400	"	0.200		88.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

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 B4E0648 - EPA 5030 (soil)

Matrix Spike (B4E0648-MS1)

Source: Y405099-15

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.0929	0.00200	mg/kg	0.100	ND	92.9	70-130			
1,3,5-Trimethylbenzene	0.0924	0.00200	"	0.100	ND	92.4	70-130			
Benzene	0.0957	0.00200	"	0.100	ND	95.7	70-130			
Ethylbenzene	0.0921	0.00200	"	0.100	ND	92.1	70-130			
Naphthalene	0.0897	0.00380	"	0.100	ND	89.7	70-130			
Toluene	0.0957	0.00200	"	0.100	ND	95.7	70-130			
o-Xylene	0.0962	0.00200	"	0.100	ND	96.2	70-130			
m,p-Xylene	0.178	0.00400	"	0.200	ND	88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

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 B4E0648 - EPA 5030 (soil)

Matrix Spike Dup (B4E0648-MSD1)

Source: Y405099-15

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.0949	0.00200	mg/kg	0.100	ND	94.9	70-130	2.15	20	
1,3,5-Trimethylbenzene	0.0939	0.00200	"	0.100	ND	93.9	70-130	1.59	20	
Benzene	0.0985	0.00200	"	0.100	ND	98.5	70-130	2.86	20	
Ethylbenzene	0.0947	0.00200	"	0.100	ND	94.7	70-130	2.74	20	
Naphthalene	0.0944	0.00380	"	0.100	ND	94.4	70-130	5.10	20	
Toluene	0.0984	0.00200	"	0.100	ND	98.4	70-130	2.74	20	
o-Xylene	0.0984	0.00200	"	0.100	ND	98.4	70-130	2.28	20	
m,p-Xylene	0.183	0.00400	"	0.200	ND	91.6	70-130	3.11	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

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 B4E0701 - EPA 3550B

Blank (B4E0701-BLK1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		91.3	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

LCS (B4E0701-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Diesel (C10-C28)	980	50.0	mg/kg	1000		98.0	70-130			
Residual Range Organics (C28-C40)	978	200	"	1000		97.8	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

Matrix Spike (B4E0701-MS1)

Source: Y405082-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

Diesel (C10-C28)	3860	50.0	mg/kg	1000	3730	12.7	70-130			QM-07
Residual Range Organics (C28-C40)	1400	200	"	1000	829	57.4	70-130			QM-07
Surrogate: o-Terphenyl	83		"	49.8		166	50-150			S-04

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

Matrix Spike Dup (B4E0701-MSD1)

Source: Y405082-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

Diesel (C10-C28)	4530	50.0	mg/kg	1000	3730	80.0	70-130	16.0	35	
Residual Range Organics (C28-C40)	1520	200	"	1000	829	69.4	70-130	8.21	35	QM-07
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Extractable Petroleum Hydrocarbons by 8015D - 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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Metals by EPA 6000/7000 Series Methods - 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 B4E0645 - EPA 3050B

Blank (B4E0645-BLK1)

Prepared: 05/06/2024 Analyzed: 05/10/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4E0645-BS1)

Prepared: 05/06/2024 Analyzed: 05/10/2024

Arsenic	5.20	0.290	mg/kg	5.00		104	80-120			
Barium	525	10.0	"	500		105	80-120			
Cadmium	5.34	0.100	"	5.00		107	80-120			
Copper	55.3	10.0	"	50.0		111	80-120			
Lead	5.33	1.00	"	5.00		107	80-120			
Nickel	5.47	1.00	"	5.00		109	80-120			
Selenium	9.92	0.260	"	9.50		104	80-120			
Silver	5.31	0.100	"	5.00		106	80-120			
Zinc	54.6	37.0	"	50.0		109	80-120			

Matrix Spike (B4E0645-MS1)

Source: Y405113-01

Prepared: 05/06/2024 Analyzed: 05/10/2024

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Metals by EPA 6000/7000 Series Methods - 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 B4E0645 - EPA 3050B

Matrix Spike (B4E0645-MS1)

Source: Y405113-01

Prepared: 05/06/2024 Analyzed: 05/10/2024

Arsenic	7.00	0.266	mg/kg	4.59	3.27	81.4	75-125			
Barium	595	9.17	"	459	112	105	75-125			
Cadmium	4.84	0.0917	"	4.59	0.116	103	75-125			
Copper	61.2	9.17	"	45.9	10.9	110	75-125			
Lead	18.5	0.917	"	4.59	16.2	49.6	75-125			QM-07
Nickel	10.9	0.917	"	4.59	6.57	94.9	75-125			
Selenium	8.96	0.239	"	8.72	ND	103	75-125			
Silver	4.71	0.0917	"	4.59	ND	103	75-125			
Zinc	78.3	33.9	"	45.9	35.1	94.2	75-125			

Matrix Spike Dup (B4E0645-MSD1)

Source: Y405113-01

Prepared: 05/06/2024 Analyzed: 05/10/2024

Arsenic	7.15	0.273	mg/kg	4.71	3.27	82.5	75-125	2.12	20	
Barium	600	9.41	"	471	112	104	75-125	0.803	20	
Cadmium	5.01	0.0941	"	4.71	0.116	104	75-125	3.56	20	
Copper	60.2	9.41	"	47.1	10.9	105	75-125	1.57	20	
Lead	17.0	0.941	"	4.71	16.2	17.9	75-125	8.07	20	QM-07
Nickel	11.3	0.941	"	4.71	6.57	101	75-125	3.51	20	
Selenium	9.69	0.245	"	8.94	ND	108	75-125	7.87	20	
Silver	4.86	0.0941	"	4.71	ND	103	75-125	3.17	20	
Zinc	80.1	34.8	"	47.1	35.1	95.5	75-125	2.18	20	

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0734 - EPA 3580

Blank (B4E0734-BLK1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		94.1	60-130			
Surrogate: Pyrene-d10	170		"	200		87.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.2	60-130			

LCS (B4E0734-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200		93.3	70-130			
2-Methylnaphthalene	0.187	0.002	"	0.200		93.6	70-130			
Acenaphthene	0.195	0.020	"	0.200		97.6	70-130			
Anthracene	0.191	0.020	"	0.200		95.7	70-130			

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0734 - EPA 3580

LCS (B4E0734-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Benzo (a) anthracene	0.187	0.005	mg/kg	0.200		93.6	70-130			
Benzo (a) pyrene	0.187	0.020	"	0.200		93.7	70-130			
Benzo (b) fluoranthene	0.189	0.020	"	0.200		94.5	70-130			
Benzo (g,h,i) perylene	0.195	0.020	"	0.200		97.4	70-130			
Benzo (k) fluoranthene	0.183	0.020	"	0.200		91.6	70-130			
Chrysene	0.188	0.020	"	0.200		93.9	70-130			
Dibenz (a,h) anthracene	0.218	0.020	"	0.200		109	70-130			
Fluoranthene	0.195	0.020	"	0.200		97.3	70-130			
Fluorene	0.197	0.020	"	0.200		98.5	70-130			
Indeno (1,2,3-cd) pyrene	0.194	0.020	"	0.200		97.1	70-130			
Naphthalene	0.195	0.002	"	0.200		97.3	70-130			
Phenanthrene	0.187	0.020	"	0.200		93.5	70-130			
Pyrene	0.167	0.020	"	0.200		83.7	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.6	60-130			
Surrogate: Pyrene-d10	170		"	200		85.5	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		94.9	60-130			

Matrix Spike (B4E0734-MS1)

Source: Y405113-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.001	94.0	70-130			
2-Methylnaphthalene	0.189	0.002	"	0.200	0.002	93.6	70-130			
Acenaphthene	0.196	0.020	"	0.200	ND	98.1	70-130			
Anthracene	0.196	0.020	"	0.200	0.001	97.1	70-130			
Benzo (a) anthracene	0.194	0.005	"	0.200	0.007	93.5	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200	0.011	94.1	70-130			
Benzo (b) fluoranthene	0.201	0.020	"	0.200	0.013	94.0	70-130			
Benzo (g,h,i) perylene	0.229	0.020	"	0.200	0.017	106	70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0734 - EPA 3580

Matrix Spike (B4E0734-MS1)

Source: Y405113-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

Benzo (k) fluoranthene	0.185	0.020	mg/kg	0.200	0.005	90.1	70-130			
Chrysene	0.196	0.020	"	0.200	0.009	93.4	70-130			
Dibenz (a,h) anthracene	0.224	0.020	"	0.200	0.002	111	70-130			
Fluoranthene	0.225	0.020	"	0.200	0.014	106	70-130			
Fluorene	0.201	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	0.011	99.6	70-130			
Naphthalene	0.199	0.002	"	0.200	ND	99.6	70-130			
Phenanthrene	0.192	0.020	"	0.200	0.004	94.4	70-130			
Pyrene	0.171	0.020	"	0.200	0.009	80.7	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.5	60-130			
Surrogate: Pyrene-d10	160		"	200		80.9	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.3	60-130			

Matrix Spike Dup (B4E0734-MSD1)

Source: Y405113-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.001	94.4	70-130	0.379	20	
2-Methylnaphthalene	0.189	0.002	"	0.200	0.002	93.7	70-130	0.153	20	
Acenaphthene	0.196	0.020	"	0.200	ND	97.8	70-130	0.317	20	
Anthracene	0.197	0.020	"	0.200	0.001	97.5	70-130	0.398	20	
Benzo (a) anthracene	0.191	0.005	"	0.200	0.007	92.0	70-130	1.52	20	
Benzo (a) pyrene	0.209	0.020	"	0.200	0.011	99.0	70-130	4.84	20	
Benzo (b) fluoranthene	0.202	0.020	"	0.200	0.013	94.9	70-130	0.909	20	
Benzo (g,h,i) perylene	0.239	0.020	"	0.200	0.017	111	70-130	3.88	20	
Benzo (k) fluoranthene	0.201	0.020	"	0.200	0.005	98.1	70-130	8.27	20	
Chrysene	0.201	0.020	"	0.200	0.009	95.9	70-130	2.51	20	
Dibenz (a,h) anthracene	0.237	0.020	"	0.200	0.002	118	70-130	5.84	20	
Fluoranthene	0.220	0.020	"	0.200	0.014	103	70-130	2.08	20	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0734 - EPA 3580

Matrix Spike Dup (B4E0734-MSD1)

Source: Y405113-01

Prepared: 05/07/2024 Analyzed: 05/09/2024

Fluorene	0.199	0.020	mg/kg	0.200	ND	99.6	70-130	1.10	20	
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200	0.011	103	70-130	3.52	20	
Naphthalene	0.197	0.002	"	0.200	ND	98.7	70-130	0.893	20	
Phenanthrene	0.192	0.020	"	0.200	0.004	94.1	70-130	0.291	20	
Pyrene	0.168	0.020	"	0.200	0.009	79.3	70-130	1.68	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.9	60-130			
Surrogate: Pyrene-d10	160		"	200		80.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Classical Chemistry Parameters - 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 B4E0711 - DTPA Sorbitol Preparation

Blank (B4E0711-BLK1)

Prepared: 05/07/2024 Analyzed: 05/08/2024

Boron ND 0.100 mg/L

Duplicate (B4E0711-DUP1)

Source: Y405106-13

Prepared: 05/07/2024 Analyzed: 05/08/2024

Boron ND 0.100 mg/L

ND 50

Batch B4E0716 - Saturated Paste Metals

Blank (B4E0716-BLK1)

Prepared: 05/07/2024 Analyzed: 05/08/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B4E0716-DUP1)

Source: Y405138-01

Prepared: 05/07/2024 Analyzed: 05/08/2024

SAR ND 0.0100 SAR

4.24 200

Calcium PPM 111 10.0 mg/L

91.3 19.1 50

Magnesium PPM 45.9 10.0 "

39.0 16.3 50

Sodium PPM 200 10.0 "

192 3.96 50

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Saturated Paste - 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 B4E0721 - Saturated Paste pH/EC

Blank (B4E0721-BLK1)

Prepared: 05/07/2024 Analyzed: 05/08/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4E0721-DUP1)

Source: Y405138-01

Prepared: 05/07/2024 Analyzed: 05/08/2024

pH 8.28 pH Units 8.31 0.362 25

Specific Conductance (EC) 1.43 0.00500 mmhos/cm 1.26 12.6 25

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - KY Blue H25-15

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2609023 - SW846 3060A

BLANK (1205727546-BLK)

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	ND	0.387	mg/kg							U
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LCS (1205727547-BKS)

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	3.87	0.390	mg/kg	3.90		99.2	80-120			
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DUP (1205727548 D)

Source: 666471001

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	ND	0.263	mg/kg dry		<0.105		0-50	N/A	50	U
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MS (1205727549 S)

Source: 666471001

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	1.91	0.263	mg/kg dry	2.63	<0.105	71.7	75-125			
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DUP (1205727550 D)

Source: 666490001

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	ND	0.250	mg/kg dry		<0.100		0-50	N/A	50	U
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MS (1205727551 S)

Source: 666490001

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	2.29	0.250	mg/kg dry	2.50	<0.100	89.4	75-125			
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ILCS (1205727552-ILCS)

Prepared: 05/08/2024 Analyzed: 05/09/2024

Hexavalent Chromium	7.95	0.390	mg/kg	7.83		102	80-120			
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Origins Laboratory, Inc.



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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - KY Blue H25-15

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
 - 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
- All soil results are reported on a wet weight basis.
Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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