



August 22, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - DL Phillips 24-24

Project Number - [none]

Attached are your analytical results for Chevron - DL Phillips 24-24 received by Origins Laboratory, Inc. July 23, 2024. This project is associated with Origins project number Y407613-01.

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.

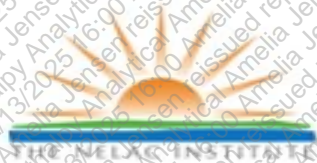
The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

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 Verysen
Project Number: [none]
Project: Chevron - DL Phillips 24-24

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y407613-01	Soil	July 22, 2024 16:00	07/23/2024 16:58

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

ORIGINS LABORATORY, INC

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

Page 1 of 1

ORIGINS LABORATORY, INC
 Client: Entrada
 Project Manager: Chelsea Verysen
 Project Name: DL Phillips 24-24
 Project Number: 440703

Key: W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid
 S=Soil
 G=Gas
 U=Unpres
 H=Hydrochloric
 HNO3=Nitric
 H2SO4=Sulfuric
 NaOH=Sodium Hydroxide
 Telephone Number: 873-318-8773
 Email Address: Entrada@originslab.com
 Collected By: Ian Lohrer
 Invoice Billing Info: Bill to Chevron (Entry Staff)

#	Sample ID	Date Sampled	# of Containers	Matrix	Preservative	Analysis	Comments
1	W10106	7/22/24	100	Z	S	UNP	X
2	W10104	7/22/24	105				H6L
3	W10104	7/22/24	110				H6L
4	W10104	7/22/24	115				H6L
5	W10104	7/22/24	120				H6L
6							
7							
8							
9							
10							

Relinquished By	Date	Time	Received By	Date	Time	Turnaround Time
	7/23/24	0925		7/23/24	1545	<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR
	7/23/24	1655		7/23/24	1655	<input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> Standard

Received On Ice? Yes No

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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 - DL Phillips 24-24

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4407013

Client: Entrada

Checklist Completed by: JM/CH

Client Project ID: DL Phillips 2424

Date/Time completed: 7/24/24

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply) Soil/Solid

Water

Other:

Cooler Number/Temperature: 1, 8 °C


Thermometer ID: 7005

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"/>	<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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 analyses in order to insure sample integrity) (pH < 3 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):	<u>ok to run out of temp per client on 7/24</u>			

⁽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 taken in the additional comments (above) and the case narrative.

Reviewed by: JM (Project Manager)

Date/Time Reviewed: 7/24/24

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 - DL Phillips 24-24

WH01@6
 7/22/2024 4:00:00PM

Origins Laboratory, Inc.
Y407613-01 (Soil)

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

Boron	0.518		0.0985	mg/L	1	B4G2515	07/25/2024	07/26/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G2402	07/24/2024	07/25/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 73.1% 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G2430	07/24/2024	07/25/2024	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 96.2% 70-130 " " "

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Chelsea Verysen
 Project Number: [none]
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WH01@6
 7/22/2024 4:00:00PM

Origins Laboratory, Inc.
Y407613-01 (Soil)

GBTEX+TMBs by 8260D

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Surrogate: Toluene-d8	104 %		70-130			B4G24 30	07/24/2024	07/25/2024	
Surrogate: 4-Bromofluorobenzene	113 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Calcium	1.59		0.499	meq/L	10	[CALC]	07/25/2024	07/26/2024	
Magnesium	1.38		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
1-Methylnaphthalene	0.003		0.002	mg/kg	1	B4G2531	07/25/2024	07/25/2024	
2-Methylnaphthalene	0.003		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 - DL Phillips 24-24

WH01@6
 7/22/2024 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407613-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G2531	07/25/2024	07/25/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	99.9 %		60-130						
Surrogate: Anthracene-d10	101 %		60-130						
Surrogate: Pyrene-d10	100 %		60-130						
Surrogate: Benzo (a) pyrene-d12	96.8 %		60-130						

pH in Soil by 9045D

pH	8.40			pH Units	1	B4G2519	07/25/2024	07/26/2024	
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SAR by 20B Saturated Paste

SAR	0.349		0.0100	SAR	1	B4G2513	07/25/2024	07/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.391		0.00500	mmhos/cm	1	B4G2519	07/25/2024	07/26/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

WH01@6
 7/22/2024 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407613-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.26		0.272	mg/kg	10	B4G2429	07/24/2024	07/27/2024	
Barium	157		9.39	"	"	"	"	"	"
Cadmium	0.416		0.0939	"	"	"	"	"	"
Copper	40.1		9.39	"	"	"	"	"	"
Lead	36.8		0.939	"	"	"	"	"	"
Nickel	16.1		0.939	"	"	"	"	"	"
Selenium	0.593		0.244	"	"	"	"	"	"
Silver	ND		0.0939	"	"	"	"	"	"
Zinc	65.9		34.8	"	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.167	0.417	mg/kg dry	1	2660175	08/20/2024	08/22/2024	U
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - DL Phillips 24-24

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 B4G2402 - EPA 3550B

Blank (B4G2402-BLK1)

Prepared: 07/24/2024 Analyzed: 07/25/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	22		"	24.9		89.0	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 - DL Phillips 24-24

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 B4G2402 - EPA 3550B

LCS (B4G2402-BS1)

Prepared: 07/24/2024 Analyzed: 07/25/2024

Diesel (C10-C28)	929	50.0	mg/kg	1000		92.9	70-130			
Residual Range Organics (C28-C40)	967	200	"	1000		96.7	70-130			
Surrogate: o-Terphenyl	49		"	49.8		97.7	50-150			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

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 B4G2402 - EPA 3550B

Matrix Spike (B4G2402-MS1)

Source: Y407603-01

Prepared: 07/24/2024 Analyzed: 07/25/2024

Diesel (C10-C28)	973	50.0	mg/kg	1000	ND	97.3	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	49		"	49.8		98.6	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 - DL Phillips 24-24

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 B4G2402 - EPA 3550B

Matrix Spike Dup (B4G2402-MSD1)

Source: Y407603-01

Prepared: 07/24/2024 Analyzed: 07/25/2024

Diesel (C10-C28)	901	50.0	mg/kg	1000	ND	90.1	70-130	7.67	35	
Residual Range Organics (C28-C40)	954	200	"	1000	ND	95.4	70-130	7.66	35	
Surrogate: o-Terphenyl	48		"	49.8		96.7	50-150			

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Chelsea Verysen
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 Project: Chevron - DL Phillips 24-24

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 B4G2430 - EPA 5030 (soil)

Blank (B4G2430-BLK1)

Prepared: 07/24/2024 Analyzed: 07/25/2024

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	0.10		"	0.125		80.0	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		115	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	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 - DL Phillips 24-24

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 B4G2430 - EPA 5030 (soil)

LCS (B4G2430-BS1)

Prepared: 07/24/2024 Analyzed: 07/25/2024

1,2,4-Trimethylbenzene	0.0960	0.00200	mg/kg	0.100		96.0	70-130			
1,3,5-Trimethylbenzene	0.0975	0.00200	"	0.100		97.5	70-130			
Benzene	0.0810	0.00200	"	0.100		81.0	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.0918	0.00380	"	0.100		91.8	70-130			
Toluene	0.0850	0.00200	"	0.100		85.0	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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 330 Grand Ave. Unit C
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

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 B4G2430 - EPA 5030 (soil)

Matrix Spike (B4G2430-MS1)

Source: Y407603-01

Prepared: 07/24/2024 Analyzed: 07/25/2024

1,2,4-Trimethylbenzene	0.0972	0.00200	mg/kg	0.100	ND	97.2	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.0808	0.00200	"	0.100	ND	80.8	70-130			
Ethylbenzene	0.0950	0.00200	"	0.100	ND	95.0	70-130			
Naphthalene	0.110	0.00380	"	0.100	ND	110	70-130			
Toluene	0.0837	0.00200	"	0.100	ND	83.7	70-130			
o-Xylene	0.0951	0.00200	"	0.100	ND	95.1	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

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 B4G2430 - EPA 5030 (soil)

Matrix Spike Dup (B4G2430-MSD1)

Source: Y407603-01

Prepared: 07/24/2024 Analyzed: 07/25/2024

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	ND	102	70-130	4.47	20	
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	2.91	20	
Benzene	0.0844	0.00200	"	0.100	ND	84.4	70-130	4.46	20	
Ethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130	4.93	20	
Naphthalene	0.0902	0.00380	"	0.100	ND	90.2	70-130	19.4	20	
Toluene	0.0913	0.00200	"	0.100	ND	91.3	70-130	8.62	20	
o-Xylene	0.0992	0.00200	"	0.100	ND	99.2	70-130	4.22	20	
m,p-Xylene	0.204	0.00400	"	0.200	ND	102	70-130	5.54	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	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 - DL Phillips 24-24

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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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 B4G2429 - EPA 3050B

Blank (B4G2429-BLK1)

Prepared: 07/24/2024 Analyzed: 07/27/2024

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 (B4G2429-BS1)

Prepared: 07/24/2024 Analyzed: 07/27/2024

Arsenic	5.24	0.290	mg/kg	5.00		105	80-120			
Barium	499	10.0	"	500		99.9	80-120			
Cadmium	5.24	0.100	"	5.00		105	80-120			
Copper	55.1	10.0	"	50.0		110	80-120			
Lead	5.11	1.00	"	5.00		102	80-120			
Nickel	5.34	1.00	"	5.00		107	80-120			
Selenium	5.07	0.260	"	5.00		101	80-120			
Silver	5.20	0.100	"	5.00		104	80-120			
Zinc	54.4	37.0	"	50.0		109	80-120			

Matrix Spike (B4G2429-MS1)

Source: Y407605-08

Prepared: 07/24/2024 Analyzed: 07/27/2024

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 - DL Phillips 24-24

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 B4G2429 - EPA 3050B

Matrix Spike (B4G2429-MS1)

Source: Y407605-08

Prepared: 07/24/2024 Analyzed: 07/27/2024

Arsenic	6.43	0.285	mg/kg	4.92	1.21	106	75-125			
Barium	563	9.83	"	492	45.1	105	75-125			
Cadmium	5.69	0.0983	"	4.92	0.0261	115	75-125			
Copper	59.6	9.83	"	49.2	2.36	116	75-125			
Lead	7.90	0.983	"	4.92	2.44	111	75-125			
Nickel	7.83	0.983	"	4.92	2.20	114	75-125			
Selenium	5.42	0.256	"	4.92	0.0413	109	75-125			
Silver	5.68	0.0983	"	4.92	ND	116	75-125			
Zinc	65.6	36.4	"	49.2	10.7	112	75-125			

Matrix Spike Dup (B4G2429-MSD1)

Source: Y407605-08

Prepared: 07/24/2024 Analyzed: 07/27/2024

Arsenic	5.56	0.249	mg/kg	4.30	1.21	101	75-125	14.4	20	
Barium	482	8.60	"	430	45.1	102	75-125	15.6	20	
Cadmium	4.78	0.0860	"	4.30	0.0261	110	75-125	17.4	20	
Copper	49.2	8.60	"	43.0	2.36	109	75-125	19.2	20	
Lead	7.04	0.860	"	4.30	2.44	107	75-125	11.6	20	
Nickel	6.90	0.860	"	4.30	2.20	109	75-125	12.6	20	
Selenium	4.74	0.224	"	4.30	0.0413	109	75-125	13.3	20	
Silver	4.74	0.0860	"	4.30	ND	110	75-125	18.1	20	
Zinc	54.4	31.8	"	43.0	10.7	102	75-125	18.7	20	

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 Veryser
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

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 B4G2531 - EPA 3580

Blank (B4G2531-BLK1)

Prepared: 07/25/2024 Analyzed: 07/25/2024

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	200		ug/kg	200		99.7	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B4G2531-BS1)

Prepared: 07/25/2024 Analyzed: 07/25/2024

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200		93.7	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200		91.5	70-130			
Acenaphthene	0.189	0.020	"	0.200		94.6	70-130			
Anthracene	0.189	0.020	"	0.200		94.5	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 - DL Phillips 24-24

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 B4G2531 - EPA 3580

LCS (B4G2531-BS1)

Prepared: 07/25/2024 Analyzed: 07/25/2024

Benzo (a) anthracene	0.189	0.005	mg/kg	0.200		94.7	70-130			
Benzo (a) pyrene	0.209	0.020	"	0.200		104	70-130			
Benzo (b) fluoranthene	0.197	0.020	"	0.200		98.3	70-130			
Benzo (g,h,i) perylene	0.193	0.020	"	0.200		96.3	70-130			
Benzo (k) fluoranthene	0.192	0.020	"	0.200		95.9	70-130			
Chrysene	0.197	0.020	"	0.200		98.5	70-130			
Dibenz (a,h) anthracene	0.184	0.020	"	0.200		91.9	70-130			
Fluoranthene	0.194	0.020	"	0.200		97.2	70-130			
Fluorene	0.187	0.020	"	0.200		93.5	70-130			
Indeno (1,2,3-cd) pyrene	0.193	0.020	"	0.200		96.3	70-130			
Naphthalene	0.189	0.002	"	0.200		94.3	70-130			
Phenanthrene	0.188	0.020	"	0.200		94.1	70-130			
Pyrene	0.191	0.020	"	0.200		95.4	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.4	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		99.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.0	60-130			

Matrix Spike (B4G2531-MS1)

Source: Y407607-01

Prepared: 07/25/2024 Analyzed: 07/25/2024

1-Methylnaphthalene	0.192	0.002	mg/kg	0.200	0.0009	95.7	70-130			
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.3	70-130			
Acenaphthene	0.197	0.020	"	0.200	0.0009	97.9	70-130			
Anthracene	0.198	0.020	"	0.200	0.004	97.0	70-130			
Benzo (a) anthracene	0.218	0.005	"	0.200	0.020	99.1	70-130			
Benzo (a) pyrene	0.231	0.020	"	0.200	0.027	102	70-130			
Benzo (b) fluoranthene	0.215	0.020	"	0.200	0.018	98.3	70-130			
Benzo (g,h,i) perylene	0.205	0.020	"	0.200	0.018	93.6	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 - DL Phillips 24-24

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 B4G2531 - EPA 3580

Matrix Spike (B4G2531-MS1)

Source: Y407607-01

Prepared: 07/25/2024 Analyzed: 07/25/2024

Benzo (k) fluoranthene	0.216	0.020	mg/kg	0.200	0.009	104	70-130			
Chrysene	0.224	0.020	"	0.200	0.027	98.1	70-130			
Dibenz (a,h) anthracene	0.197	0.020	"	0.200	0.003	97.3	70-130			
Fluoranthene	0.219	0.020	"	0.200	0.023	98.1	70-130			
Fluorene	0.198	0.020	"	0.200	ND	98.9	70-130			
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200	0.016	95.4	70-130			
Naphthalene	0.192	0.002	"	0.200	ND	96.0	70-130			
Phenanthrene	0.202	0.020	"	0.200	0.010	96.2	70-130			
Pyrene	0.230	0.020	"	0.200	0.032	99.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.6	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.2	60-130			

Matrix Spike Dup (B4G2531-MSD1)

Source: Y407607-01

Prepared: 07/25/2024 Analyzed: 07/25/2024

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	0.0009	96.5	70-130	0.814	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	ND	94.2	70-130	1.10	20	
Acenaphthene	0.191	0.020	"	0.200	0.0009	95.1	70-130	2.89	20	
Anthracene	0.200	0.020	"	0.200	0.004	97.9	70-130	0.925	20	
Benzo (a) anthracene	0.223	0.005	"	0.200	0.020	102	70-130	2.23	20	
Benzo (a) pyrene	0.248	0.020	"	0.200	0.027	111	70-130	6.84	20	
Benzo (b) fluoranthene	0.207	0.020	"	0.200	0.018	94.1	70-130	3.92	20	
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.018	94.3	70-130	0.655	20	
Benzo (k) fluoranthene	0.199	0.020	"	0.200	0.009	94.9	70-130	8.48	20	
Chrysene	0.234	0.020	"	0.200	0.027	103	70-130	4.38	20	
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	0.003	96.5	70-130	0.852	20	
Fluoranthene	0.226	0.020	"	0.200	0.023	102	70-130	3.08	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 - DL Phillips 24-24

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 B4G2531 - EPA 3580

Matrix Spike Dup (B4G2531-MSD1)

Source: Y407607-01

Prepared: 07/25/2024 Analyzed: 07/25/2024

Fluorene	0.192	0.020	mg/kg	0.200	ND	96.0	70-130	2.98	20	
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	0.016	92.0	70-130	3.29	20	
Naphthalene	0.190	0.002	"	0.200	ND	95.0	70-130	1.01	20	
Phenanthrene	0.202	0.020	"	0.200	0.010	96.0	70-130	0.270	20	
Pyrene	0.236	0.020	"	0.200	0.032	102	70-130	2.37	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.1	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		94.5	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 Veryser
 Project Number: [none]
 Project: Chevron - DL Phillips 24-24

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 B4G2513 - Saturated Paste Metals

Blank (B4G2513-BLK1)

Prepared: 07/25/2024 Analyzed: 07/26/2024

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 (B4G2513-DUP1)

Source: Y407609-01

Prepared: 07/25/2024 Analyzed: 07/26/2024

SAR	ND	0.0100	SAR	0.0760				200		
Calcium PPM	35.7	10.0	mg/L	28.1			24.0	50		
Magnesium PPM	9.61	10.0	"	7.61			23.2	50		
Sodium PPM	2.33	10.0	"	1.76			27.9	50		

Batch B4G2515 - DTPA Sorbitol Preparation

Blank (B4G2515-BLK1)

Prepared: 07/25/2024 Analyzed: 07/26/2024

Boron	ND	0.100	mg/L							
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Duplicate (B4G2515-DUP1)

Source: Y407608-03

Prepared: 07/25/2024 Analyzed: 07/26/2024

Boron	0.326	0.0996	mg/L	0.288			12.2	50		
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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 - DL Phillips 24-24

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 B4G2519 - Saturated Paste pH/EC

Blank (B4G2519-BLK1)

Prepared: 07/25/2024 Analyzed: 07/26/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4G2519-DUP1)

Source: Y407609-01

Prepared: 07/25/2024 Analyzed: 07/26/2024

pH 8.39 pH Units 8.37 0.239 25

Specific Conductance (EC) 0.327 0.00500 mmhos/cm 0.259 23.3 25

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 - DL Phillips 24-24

Total Metals 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 2660175 - SW846 3060A

BLANK (1205828883-BLK)

Prepared: 08/20/2024 Analyzed: 08/22/2024

Hexavalent Chromium	ND	0.274	mg/kg							U
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LCS (1205828884-BKS)

Prepared: 08/20/2024 Analyzed: 08/22/2024

Hexavalent Chromium	2.82	0.290	mg/kg	2.90		97.3	80-120			
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DUP (1205828885 D)

Source: 677488001

Prepared: 08/20/2024 Analyzed: 08/22/2024

Hexavalent Chromium	ND	0.373	mg/kg dry		<0.149		0-50	N/A	50	U
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MS (1205828886 S)

Source: 677488001

Prepared: 08/20/2024 Analyzed: 08/22/2024

Hexavalent Chromium	0.891	0.261	mg/kg dry	2.61	<0.104	30.5	75-125			
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ILCS (1205828889-ILCS)

Prepared: 08/20/2024 Analyzed: 08/22/2024

Hexavalent Chromium	4.74	0.222	mg/kg	4.46		106	80-120			
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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 - DL Phillips 24-24

Notes and Definitions

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- 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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