



May 20, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Nakagawa PM B13-16 Project Number - [none]

Attached are your analytical results for Chevron - Nakagawa PM B13-16 received by Origins Laboratory, Inc. May 06, 2024. This project is associated with Origins project number Y405160-01.

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 - Nakagawa PM B13-16

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y405160-01	Soil	May 6, 2024 12:00	05/06/2024 15:45
FLR01@4	Y405160-02	Soil	May 6, 2024 12:05	05/06/2024 15:45
WH01-E@4	Y405160-04	Soil	May 6, 2024 12:15	05/06/2024 15:45
WH01-S@4	Y405160-05	Soil	May 6, 2024 12:20	05/06/2024 15:45

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 - Nakagawa PM B13-16

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: V405160

Client: Entrada

Client Project ID: Nakagawa PM

Checklist Completed by: EA D/41

Shipped Via: 48

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

Date/time completed: 5/6/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply) 0 Soil/Solid Water Other: (Describe)

Cooler Number/Temperature: 1 18.6 °C / °C / °C / °C

Thermometer ID: 2805

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"/>		<u>SD</u>
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 analyses in order to insure sample integrity)/(pH <2 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"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

WH01@6
5/6/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405160-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.217	0.0983	mg/L	1	B4E0712	05/07/2024	05/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0702	05/07/2024	05/10/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	88.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0727	05/07/2024	05/10/2024	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	0.256	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"	
Surrogate: Toluene-d8	95.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

WH01@6

5/6/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene

100 %

70-130

B4E07
27

05/07/2024

05/10/2024

Metals by Saturated Paste by EPA 6010

Calcium	1.24	0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.576	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.008	0.002	mg/kg	1	B4E0739	05/07/2024	05/10/2024	
2-Methylnaphthalene	0.009	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
Fluorene	ND	0.020	"	"	"	"	"	Ua

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330 Grand Ave. Unit C

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Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

WH01@6

5/6/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-01 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4E0739	05/07/2024	05/10/2024	Ua
Naphthalene	0.002	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	97.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	83.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	94.0 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.80	pH Units	1	B4E0722	05/07/2024	05/08/2024
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SAR by 20B Saturated Paste

SAR	0.616	0.0100	SAR	1	B4E0717	05/07/2024	05/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.295	0.00500	mmhos/cm	1	B4E0722	05/07/2024	05/08/2024
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Table 915 metals by EPA 6020B

Arsenic	0.894	0.258	mg/kg	10	B4E0650	05/06/2024	05/09/2024
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Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

WH01@6

5/6/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-01 (Soil)

Table 915 metals by EPA 6020B

Barium	18.9	8.91	mg/kg	10	B4E0650	05/06/2024	05/09/2024
Cadmium	ND	0.0891	"	"	"	"	"
Copper	ND	8.91	"	"	"	"	"
Lead	8.86	0.891	"	"	"	"	"
Nickel	1.48	0.891	"	"	"	"	"
Selenium	ND	0.232	"	"	"	"	"
Silver	ND	0.0891	"	"	"	"	"
Zinc	ND	33.0	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.146	0.364	mg/kg dry	1	2609801	05/13/2024	05/14/2024	U
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

FLR01@4
5/6/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405160-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.120	0.101	mg/L	1	B4E0712	05/07/2024	05/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0702	05/07/2024	05/10/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	96.1 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0727	05/07/2024	05/10/2024	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	112 %	70-130	"	"	"	"	"	
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

FLR01@4

5/6/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.5 %	70-130				B4E07 27	05/07/2024	05/10/2024	
Surrogate: 4-Bromofluorobenzene	103 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.582	0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0739	05/07/2024	05/10/2024	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 Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

FLR01@4

5/6/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4E0739	05/07/2024	05/10/2024	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	96.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	95.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.9 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.08	pH Units	1	B4E0722	05/07/2024	05/08/2024
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SAR by 20B Saturated Paste

SAR	0.549	0.0100	SAR	1	B4E0717	05/07/2024	05/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.164	0.00500	mmhos/cm	1	B4E0722	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 Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

FLR01@4

5/6/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.03	0.250	mg/kg	10	B4E0650	05/06/2024	05/09/2024
Barium	14.6	8.62	"	"	"	"	"
Cadmium	ND	0.0862	"	"	"	"	"
Copper	ND	8.62	"	"	"	"	"
Lead	5.57	0.862	"	"	"	"	"
Nickel	1.03	0.862	"	"	"	"	"
Selenium	ND	0.224	"	"	"	"	"
Silver	0.112	0.0862	"	"	"	"	"
Zinc	ND	31.9	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.0979	0.245	mg/kg dry	1	2609801	05/13/2024	05/14/2024	U
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

WH01-E@4

5/6/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405160-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.134	0.0985	mg/L	1	B4E0712	05/07/2024	05/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0702	05/07/2024	05/10/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	89.6 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0727	05/07/2024	05/10/2024	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	0.216	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"	"	"	
Surrogate: Toluene-d8	96.6 %	70-130	"	"	"	"	"	

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330 Grand Ave. Unit C
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Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

WH01-E@4

5/6/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405160-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	101 %	70-130	B4E07 27	05/07/2024	05/10/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.692	0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.002	0.002	mg/kg	1	B4E0739	05/07/2024	05/10/2024	
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
Fluorene	ND	0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

WH01-E@4

5/6/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-04 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4E0739	05/07/2024	05/10/2024	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	83.9 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.14	pH Units	1	B4E0722	05/07/2024	05/08/2024
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SAR by 20B Saturated Paste

SAR	0.334	0.0100	SAR	1	B4E0717	05/07/2024	05/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.215	0.00500	mmhos/cm	1	B4E0722	05/07/2024	05/08/2024
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Table 915 metals by EPA 6020B

Arsenic	2.81	0.249	mg/kg	10	B4E0650	05/06/2024	05/09/2024
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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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

WH01-E@4

5/6/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-04 (Soil)

Table 915 metals by EPA 6020B

Barium	40.5	8.57	mg/kg	10	B4E0650	05/06/2024	05/09/2024
Cadmium	0.120	0.0857	"	"	"	"	"
Copper	ND	8.57	"	"	"	"	"
Lead	8.32	0.857	"	"	"	"	"
Nickel	1.94	0.857	"	"	"	"	"
Selenium	ND	0.223	"	"	"	"	"
Silver	0.117	0.0857	"	"	"	"	"
Zinc	ND	31.7	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.0987	0.247	mg/kg dry	1	2609801	05/13/2024	05/14/2024	U
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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 - Nakagawa PM B13-16

WH01-S@4

5/6/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.208	0.0999	mg/L	1	B4E0712	05/07/2024	05/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0702	05/07/2024	05/10/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	91.6 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0727	05/07/2024	05/10/2024	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	0.517	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130	"	"	"	"	"
Surrogate: Toluene-d8	95.7 %	70-130	"	"	"	"	"

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 - Nakagawa PM B13-16

WH01-S@4

5/6/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	B4E07 27	05/07/2024	05/10/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.758	0.499	meq/L	10	[CALC]	05/07/2024	05/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B4E0739	05/07/2024	05/10/2024
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
Fluorene	ND	0.020	"	"	"	"	Ua

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 - Nakagawa PM B13-16

WH01-S@4

5/6/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-05 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4E0739	05/07/2024	05/10/2024	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	82.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	98.6 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.55	pH Units	1	B4E0722	05/07/2024	05/08/2024
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SAR by 20B Saturated Paste

SAR	0.485	0.0100	SAR	1	B4E0717	05/07/2024	05/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.220	0.00500	mmhos/cm	1	B4E0722	05/07/2024	05/08/2024
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Table 915 metals by EPA 6020B

Arsenic	1.35	0.274	mg/kg	10	B4E0650	05/06/2024	05/09/2024
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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 - Nakagawa PM B13-16

WH01-S@4

5/6/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405160-05 (Soil)

Table 915 metals by EPA 6020B

Barium	27.4	9.46	mg/kg	10	B4E0650	05/06/2024	05/09/2024
Cadmium	ND	0.0946	"	"	"	"	"
Copper	ND	9.46	"	"	"	"	"
Lead	5.62	0.946	"	"	"	"	"
Nickel	1.53	0.946	"	"	"	"	"
Selenium	ND	0.246	"	"	"	"	"
Silver	0.114	0.0946	"	"	"	"	"
Zinc	ND	35.0	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.108	0.269	mg/kg dry	1	2609801	05/13/2024	05/14/2024	U
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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 - Nakagawa PM B13-16

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
Batch B4E0702 - EPA 3550B										
Blank (B4E0702-BLK1)					Prepared: 05/07/2024 Analyzed: 05/10/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		93.7	50-150			

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 - Nakagawa PM B13-16

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 B4E0702 - EPA 3550B

LCS (B4E0702-BS1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

Diesel (C10-C28)	965	50.0	mg/kg	1000		96.5	70-130			
Residual Range Organics (C28-C40)	975	200	"	1000		97.5	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

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 - Nakagawa PM B13-16

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 B4E0702 - EPA 3550B

Matrix Spike (B4E0702-MS1)		Source: Y405142-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
Diesel (C10-C28)	889	50.0	mg/kg	1000	ND	88.9	70-130			
Residual Range Organics (C28-C40)	979	200	"	1000	ND	97.9	70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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 - Nakagawa PM B13-16

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 B4E0702 - EPA 3550B

Matrix Spike Dup (B4E0702-MSD1)		Source: Y405142-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
Diesel (C10-C28)	847	50.0	mg/kg	1000	ND	84.7	70-130	4.83	35	
Residual Range Organics (C28-C40)	948	200	"	1000	ND	94.8	70-130	3.22	35	
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

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 B4E0727 - EPA 5030 (soil)

Blank (B4E0727-BLK1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

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	0.14		"	0.125	109		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	98.9		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 Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

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 B4E0727 - EPA 5030 (soil)

LCS (B4E0727-BS1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

1,2,4-Trimethylbenzene	0.0975	0.00200	mg/kg	0.100		97.5	70-130			
1,3,5-Trimethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
Benzene	0.0975	0.00200	"	0.100		97.5	70-130			
Ethylbenzene	0.0958	0.00200	"	0.100		95.8	70-130			
Naphthalene	0.103	0.00380	"	0.100		103	70-130			
Toluene	0.0957	0.00200	"	0.100		95.7	70-130			
o-Xylene	0.0938	0.00200	"	0.100		93.8	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	70-130			

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 - Nakagawa PM B13-16

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
Batch B4E0727 - EPA 5030 (soil)										
Matrix Spike (B4E0727-MS1)		Source: Y405138-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
1,2,4-Trimethylbenzene	0.0761	0.00200	mg/kg	0.100	ND	76.1	70-130			
1,3,5-Trimethylbenzene	0.0760	0.00200	"	0.100	0.000680	75.3	70-130			
Benzene	0.0807	0.00200	"	0.100	ND	80.7	70-130			
Ethylbenzene	0.0747	0.00200	"	0.100	ND	74.7	70-130			
Naphthalene	0.0825	0.00380	"	0.100	ND	82.5	70-130			
Toluene	0.0768	0.00200	"	0.100	ND	76.8	70-130			
o-Xylene	0.0742	0.00200	"	0.100	ND	74.2	70-130			
m,p-Xylene	0.146	0.00400	"	0.200	ND	73.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.1	70-130			

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 - Nakagawa PM B13-16

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
Batch B4E0727 - EPA 5030 (soil)										
Matrix Spike Dup (B4E0727-MSD1)			Source: Y405138-01		Prepared: 05/07/2024 Analyzed: 05/10/2024					
1,2,4-Trimethylbenzene	0.0915	0.00200	mg/kg	0.100	ND	91.5	70-130	18.4	20	
1,3,5-Trimethylbenzene	0.0910	0.00200	"	0.100	0.000680	90.3	70-130	18.0	20	
Benzene	0.0949	0.00200	"	0.100	ND	94.9	70-130	16.1	20	
Ethylbenzene	0.0896	0.00200	"	0.100	ND	89.6	70-130	18.2	20	
Naphthalene	0.101	0.00380	"	0.100	ND	101	70-130	20.1	20	QR-02
Toluene	0.0907	0.00200	"	0.100	ND	90.7	70-130	16.6	20	
o-Xylene	0.0894	0.00200	"	0.100	ND	89.4	70-130	18.6	20	
m,p-Xylene	0.176	0.00400	"	0.200	ND	88.0	70-130	18.7	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

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 - Nakagawa PM B13-16

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 B4E0650 - EPA 3050B

Blank (B4E0650-BLK1)

Prepared: 05/06/2024 Analyzed: 05/09/2024

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 (B4E0650-BS1)

Prepared: 05/06/2024 Analyzed: 05/09/2024

Arsenic	4.72	0.290	mg/kg	5.00	94.5	80-120
Barium	499	10.0	"	500	99.9	80-120
Cadmium	5.04	0.100	"	5.00	101	80-120
Copper	42.3	10.0	"	50.0	84.5	80-120
Lead	5.02	1.00	"	5.00	100	80-120
Nickel	4.61	1.00	"	5.00	92.2	80-120
Selenium	9.13	0.260	"	9.50	96.1	80-120
Silver	4.63	0.100	"	5.00	92.7	80-120
Zinc	47.4	37.0	"	50.0	94.7	80-120

Matrix Spike (B4E0650-MS1)

Source: Y405176-03

Prepared: 05/06/2024 Analyzed: 05/09/2024

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 - Nakagawa PM B13-16

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 B4E0650 - EPA 3050B

Matrix Spike (B4E0650-MS1)		Source: Y405176-03			Prepared: 05/06/2024 Analyzed: 05/09/2024					
Arsenic	7.45	0.279	mg/kg	4.80	2.82	96.5	75-125			
Barium	706	9.60	"	480	165	113	75-125			
Cadmium	4.82	0.0960	"	4.80	0.205	96.1	75-125			
Copper	55.3	9.60	"	48.0	9.12	96.1	75-125			
Lead	15.7	0.960	"	4.80	11.1	96.1	75-125			
Nickel	17.0	0.960	"	4.80	12.4	95.9	75-125			
Selenium	7.64	0.250	"	9.12	0.286	80.5	75-125			
Silver	4.34	0.0960	"	4.80	0.0947	88.4	75-125			
Zinc	86.6	35.5	"	48.0	43.4	89.9	75-125			
Matrix Spike Dup (B4E0650-MSD1)		Source: Y405176-03			Prepared: 05/06/2024 Analyzed: 05/09/2024					
Arsenic	7.74	0.271	mg/kg	4.68	2.82	105	75-125	3.83	20	
Barium	546	9.35	"	468	165	81.6	75-125	25.5	20	QR-02
Cadmium	4.68	0.0935	"	4.68	0.205	95.7	75-125	2.95	20	
Copper	53.7	9.35	"	46.8	9.12	95.3	75-125	2.92	20	
Lead	15.4	0.935	"	4.68	11.1	92.5	75-125	1.85	20	
Nickel	16.8	0.935	"	4.68	12.4	93.8	75-125	1.29	20	
Selenium	7.77	0.243	"	8.89	0.286	84.2	75-125	1.73	20	
Silver	4.16	0.0935	"	4.68	0.0947	87.0	75-125	4.24	20	
Zinc	85.7	34.6	"	46.8	43.4	90.4	75-125	1.01	20	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

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 B4E0739 - EPA 3580

Blank (B4E0739-BLK1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

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	101	60-130
Surrogate: Anthracene-d10	190		"	200	95.5	60-130
Surrogate: Pyrene-d10	170		"	200	83.7	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200	99.4	60-130

LCS (B4E0739-BS1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200	93.6	70-130
2-Methylnaphthalene	0.187	0.002	"	0.200	93.3	70-130
Acenaphthene	0.195	0.020	"	0.200	97.6	70-130
Anthracene	0.192	0.020	"	0.200	96.0	70-130

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 - Nakagawa PM B13-16

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 B4E0739 - EPA 3580

LCS (B4E0739-BS1)

Prepared: 05/07/2024 Analyzed: 05/10/2024

Benzo (a) anthracene	0.190	0.005	mg/kg	0.200		95.2	70-130
Benzo (a) pyrene	0.194	0.020	"	0.200		96.8	70-130
Benzo (b) fluoranthene	0.179	0.020	"	0.200		89.6	70-130
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		98.9	70-130
Benzo (k) fluoranthene	0.171	0.020	"	0.200		85.6	70-130
Chrysene	0.182	0.020	"	0.200		90.9	70-130
Dibenz (a,h) anthracene	0.218	0.020	"	0.200		109	70-130
Fluoranthene	0.197	0.020	"	0.200		98.7	70-130
Fluorene	0.199	0.020	"	0.200		99.4	70-130
Indeno (1,2,3-cd) pyrene	0.191	0.020	"	0.200		95.3	70-130
Naphthalene	0.197	0.002	"	0.200		98.3	70-130
Phenanthrene	0.188	0.020	"	0.200		94.1	70-130
Pyrene	0.167	0.020	"	0.200		83.4	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130
Surrogate: Anthracene-d10	190		"	200		96.2	60-130
Surrogate: Pyrene-d10	170		"	200		84.3	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.8	60-130

Matrix Spike (B4E0739-MS1)

Source: Y405143-01

Prepared: 05/07/2024 Analyzed: 05/10/2024

1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	0.001	94.9	70-130
2-Methylnaphthalene	0.190	0.002	"	0.200	0.001	94.4	70-130
Acenaphthene	0.197	0.020	"	0.200	ND	98.7	70-130
Anthracene	0.195	0.020	"	0.200	0.002	96.8	70-130
Benzo (a) anthracene	0.196	0.005	"	0.200	0.0005	97.8	70-130
Benzo (a) pyrene	0.195	0.020	"	0.200	0.001	97.0	70-130
Benzo (b) fluoranthene	0.189	0.020	"	0.200	0.0004	94.1	70-130
Benzo (g,h,i) perylene	0.200	0.020	"	0.200	0.0009	99.6	70-130

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 - Nakagawa PM B13-16

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 B4E0739 - EPA 3580

Matrix Spike (B4E0739-MS1)		Source: Y405143-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
Benzo (k) fluoranthene	0.181	0.020	mg/kg	0.200	ND	90.4	70-130			
Chrysene	0.195	0.020	"	0.200	ND	97.3	70-130			
Dibenz (a,h) anthracene	0.225	0.020	"	0.200	ND	112	70-130			
Fluoranthene	0.201	0.020	"	0.200	ND	100	70-130			
Fluorene	0.200	0.020	"	0.200	ND	100	70-130			
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200	ND	98.5	70-130			
Naphthalene	0.199	0.002	"	0.200	ND	99.4	70-130			
Phenanthrene	0.190	0.020	"	0.200	ND	94.9	70-130			
Pyrene	0.165	0.020	"	0.200	ND	82.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.7	60-130			
Surrogate: Pyrene-d10	170		"	200		83.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.3	60-130			

Matrix Spike Dup (B4E0739-MSD1)		Source: Y405143-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
1-Methylnaphthalene	0.193	0.002	mg/kg	0.200	0.001	95.8	70-130	0.968	20	
2-Methylnaphthalene	0.193	0.002	"	0.200	0.001	96.2	70-130	1.81	20	
Acenaphthene	0.199	0.020	"	0.200	ND	99.7	70-130	1.02	20	
Anthracene	0.197	0.020	"	0.200	0.002	97.9	70-130	1.04	20	
Benzo (a) anthracene	0.188	0.005	"	0.200	0.0005	93.7	70-130	4.27	20	
Benzo (a) pyrene	0.191	0.020	"	0.200	0.001	95.0	70-130	2.03	20	
Benzo (b) fluoranthene	0.188	0.020	"	0.200	0.0004	94.0	70-130	0.162	20	
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.0009	103	70-130	3.53	20	
Benzo (k) fluoranthene	0.175	0.020	"	0.200	ND	87.7	70-130	3.02	20	
Chrysene	0.190	0.020	"	0.200	ND	95.0	70-130	2.37	20	
Dibenz (a,h) anthracene	0.241	0.020	"	0.200	ND	121	70-130	7.04	20	
Fluoranthene	0.202	0.020	"	0.200	ND	101	70-130	0.757	20	

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

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 B4E0739 - EPA 3580

Matrix Spike Dup (B4E0739-MSD1)		Source: Y405143-01			Prepared: 05/07/2024 Analyzed: 05/10/2024					
Fluorene	0.203	0.020	mg/kg	0.200	ND	102	70-130	1.62	20	
Indeno (1,2,3-cd) pyrene	0.214	0.020	"	0.200	ND	107	70-130	8.14	20	
Naphthalene	0.202	0.002	"	0.200	ND	101	70-130	1.54	20	
Phenanthrene	0.192	0.020	"	0.200	ND	96.2	70-130	1.40	20	
Pyrene	0.167	0.020	"	0.200	ND	83.5	70-130	1.49	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		96.0	60-130			
Surrogate: Pyrene-d10	170		"	200		82.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.1	60-130			

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0712 - DTPA Sorbitol Preparation										
Blank (B4E0712-BLK1)					Prepared: 05/07/2024 Analyzed: 05/10/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4E0712-DUP1)					Source: Y405140-02 Prepared: 05/07/2024 Analyzed: 05/10/2024					
Boron	0.539	0.101	mg/L		0.515			4.60	50	
Batch B4E0717 - Saturated Paste Metals										
Blank (B4E0717-BLK1)					Prepared: 05/07/2024 Analyzed: 05/08/2024					
SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							
Duplicate (B4E0717-DUP1)					Source: Y405158-02 Prepared: 05/07/2024 Analyzed: 05/08/2024					
Calcium PPM	36.4	10.0	mg/L		33.1			9.41	50	
SAR	ND	0.0100	SAR		1.16				200	
Magnesium PPM	14.1	10.0	mg/L		12.5			11.7	50	
Sodium PPM	33.9	10.0	"		30.8			9.43	50	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0722 - Saturated Paste pH/EC										
Blank (B4E0722-BLK1)					Prepared: 05/07/2024 Analyzed: 05/08/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4E0722-DUP1)					Source: Y405158-02 Prepared: 05/07/2024 Analyzed: 05/08/2024					
Specific Conductance (EC)	0.562	0.00500	mmhos/cm		0.461			19.7	25	
pH	8.19		pH Units		8.15			0.490	25	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Nakagawa PM B13-16

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
Batch 2609801 - SW846 3060A										
BLANK (1205729069-BLK)					Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	ND	0.242	mg/kg				-			U
LCS (1205729070-BKS)					Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	3.06	0.297	mg/kg	2.97		103	80-120			
DUP (1205729071 D)					Source: 666556001 Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	ND	0.327	mg/kg dry		<0.131		0-50	N/A	50	U
MS (1205729072 S)					Source: 666556001 Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	2.76	0.327	mg/kg dry	3.27	<0.131	81.8	75-125			
DUP (1205729073 D)					Source: 666603001 Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	ND	0.350	mg/kg dry		<0.140		0-50	N/A	50	U
MS (1205729074 S)					Source: 666603001 Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	2.49	0.350	mg/kg dry	3.50	<0.140	69.6	75-125			
ILCS (1205729075-ILCS)					Prepared: 05/13/2024 Analyzed: 05/14/2024					
Hexavalent Chromium	5.76	0.268	mg/kg	5.57			80-120			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Nakagawa PM B13-16

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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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