



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

October 16, 2024

**Project Name - Chevron - SLW Green State
BB18-09**

Project Number - [none]

Attached are your analytical results for Chevron - SLW Green State BB18-09 received by Origins Laboratory September 17, 2024. This project is associated with Origins project number E409523-01.

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
303.433.1322
projectmanager@originslab.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 - SLW Green State BB18-09

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E409523-01	Soil	September 16, 2024 13:00	09/17/2024 17:25
FLR01@4	E409523-02	Soil	September 16, 2024 13:00	09/17/2024 17:25

Origins Laboratory

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 - SLW Green State BB18-09

Page 1 of 1

ORIGINS LABORATORY INC

Client: Entrada

Address: _____

Project Manager: Chelsea Veryser

Project Name: SLW Green State BB18-09

Project Number: _____

Key: W= Water
GW=Groundwater
SW=Surface Water
WW=Waste Water
L=Liquid
S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Telephone Number: 303-319-8703

Email Address: Entrada Distribution cc: RBUE427@Entrada.com

Collected By: Jan Langer

Invoice/Billing Info: Bill to Chevron Group Smith

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis										Comments			
							1	2	3	4	5	6	7	8	9	10		11	12	
1	W10106	9/16/24	1300	2	S	UNP	X													
2	W10104	9/16/24	1305	1			X													
3	W10104	9/16/24	1310	1																HOLD
4	W10104	9/16/24	1315	1																HOLD
5	W10104	9/16/24	1320	1																HOLD
6																				
7																				
8																				
9																				
10																				

Relinquished By: [Signature] Date: 9/16/24 Time: 1700

Relinquished By: VK Date: 9/17/24 Time: 1725

Received By: [Signature] Date: 9/17/24 Time: 1605

Received By: [Signature] Date: 9/17/24 Time: 1725

Turnaround Time: ☐ SAME DAY ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 4.7 Received On Ice? ☒ Yes ☐ No

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory

J. Bynon

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: E409523

Client: Entrada

Client Project ID: SLW Green st

Checklist Completed by: CHAD WIS

Shipped Via: HD

Date/time completed: 9/18/24

(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 14.7 °C 1 °C 1 °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"/>	<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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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): [Signature]

Date/Time Reviewed: 9/20/24

Origins Laboratory

[Signature]

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

WH01@6

9/16/2024 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E409523-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.242	0.101	mg/L	1	B4I2007	09/20/2024	09/23/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4I2024	09/20/2024	09/23/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4I1970	09/19/2024	09/22/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.3 %	70-130			"	"	"	

Origins Laboratory

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330 Grand Ave. Unit C
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Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

WH01@6

9/16/2024 1:00:00PM

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

E409523-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 104 % 70-130 B41197 0 09/19/2024 09/22/2024

Metals by Saturated Paste by EPA 6010

Calcium	1.23	0.499	meq/L	10	[CALC]	09/19/2024	09/20/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4I2332	09/23/2024	09/27/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U
Fluorene	ND	0.020	"	"	"	"	"	U

Origins Laboratory



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

WH01@6

9/16/2024 1:00:00PM

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

E409523-01 (Soil)

PAH by EPA 8270E extracted via 3580A

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4I2332	09/23/2024	09/27/2024	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	110 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.46	pH Units	1	B4I1926	09/19/2024	09/23/2024
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SAR by 20B Saturated Paste

SAR	0.364	0.0100	SAR	1	B4I1908	09/19/2024	09/20/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.316	0.00500	mmhos/cm	1	B4I1926	09/19/2024	09/23/2024
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Table 915 metals by EPA 6020B

Arsenic	1.40	0.245	mg/kg	10	B4I1854	09/18/2024	09/21/2024
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Origins Laboratory



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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

WH01@6

9/16/2024 1:00:00PM

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

E409523-01 (Soil)

Table 915 metals by EPA 6020B

Barium	59.3		8.46	mg/kg	10	B411854	09/18/2024	09/21/2024
Cadmium	ND		0.0846	"	"	"	"	"
Copper	ND		8.46	"	"	"	"	"
Lead	4.35		0.846	"	"	"	"	"
Nickel	4.17		0.846	"	"	"	"	"
Selenium	ND		0.220	"	"	"	"	"
Silver	ND		0.0846	"	"	"	"	"
Zinc	ND		31.3	"	"	"	"	"

Total Metals 7196A

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L777675	09/16/2024	10/11/2024
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

FLR01@4

9/16/2024 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E409523-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.171	0.0991	mg/L	1	B4I2007	09/20/2024	09/23/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4I2024	09/20/2024	09/23/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	76.0 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4I1970	09/19/2024	09/22/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130	"	"	"	"
Surrogate: Toluene-d8	98.1 %	70-130	"	"	"	"

Origins Laboratory



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

FLR01@4

9/16/2024 1:05:00PM

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

E409523-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 102 % 70-130 B41197 0 09/19/2024 09/22/2024

Metals by Saturated Paste by EPA 6010

Calcium	1.81	0.499	meq/L	10	[CALC]	09/19/2024	09/20/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4I2332	09/23/2024	09/27/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U
Fluorene	ND	0.020	"	"	"	"	"	U

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

FLR01@4

9/16/2024 1:05:00PM

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

E409523-02 (Soil)

PAH by EPA 8270E extracted via 3580A

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4I2332	09/23/2024	09/27/2024	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	112 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.46	pH Units	1	B4I1926	09/19/2024	09/23/2024
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SAR by 20B Saturated Paste

SAR	0.227	0.0100	SAR	1	B4I1908	09/19/2024	09/20/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.465	0.00500	mmhos/cm	1	B4I1926	09/19/2024	09/23/2024
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Table 915 metals by EPA 6020B

Arsenic	1.82	0.272	mg/kg	10	B4I1854	09/18/2024	09/21/2024
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

FLR01@4

9/16/2024 1:05:00PM

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

E409523-02 (Soil)

Table 915 metals by EPA 6020B

Barium	53.2		9.38	mg/kg	10	B411854	09/18/2024	09/21/2024
Cadmium	ND		0.0938	"	"	"	"	"
Copper	ND		9.38	"	"	"	"	"
Lead	4.69		0.938	"	"	"	"	"
Nickel	3.89		0.938	"	"	"	"	"
Selenium	ND		0.244	"	"	"	"	"
Silver	ND		0.0938	"	"	"	"	"
Zinc	ND		34.7	"	"	"	"	"

Total Metals 7196A

Chromium, Hexavalent	ND	0.25	0.514	mg/Kg	1	L777675	09/16/2024	10/11/2024
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1970 - EPA 5030 (soil)										
Blank (B4I1970-BLK1)					Prepared: 09/19/2024 Analyzed: 09/21/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I1970 - EPA 5030 (soil)

LCS (B4I1970-BS1)

Prepared: 09/19/2024 Analyzed: 09/21/2024

1,2,4-Trimethylbenzene	0.0906	0.00200	mg/kg	0.100		90.6	70-130			
1,3,5-Trimethylbenzene	0.0904	0.00200	"	0.100		90.4	70-130			
Benzene	0.0835	0.00200	"	0.100		83.5	70-130			
Ethylbenzene	0.0893	0.00200	"	0.100		89.3	70-130			
Naphthalene	0.0888	0.00380	"	0.100		88.8	70-130			
Toluene	0.0855	0.00200	"	0.100		85.5	70-130			
o-Xylene	0.0888	0.00200	"	0.100		88.8	70-130			
m,p-Xylene	0.178	0.00400	"	0.200		88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1970 - EPA 5030 (soil)										
Matrix Spike (B4I1970-MS1)		Source: E409517-01			Prepared: 09/19/2024 Analyzed: 09/21/2024					
1,2,4-Trimethylbenzene	0.0831	0.00200	mg/kg	0.100	ND	83.1	70-130			
1,3,5-Trimethylbenzene	0.0835	0.00200	"	0.100	ND	83.5	70-130			
Benzene	0.0688	0.00200	"	0.100	ND	68.8	70-130			QM-07
Ethylbenzene	0.0859	0.00200	"	0.100	ND	85.9	70-130			
Naphthalene	0.0646	0.00380	"	0.100	ND	64.6	70-130			QM-07
Toluene	0.0769	0.00200	"	0.100	ND	76.9	70-130			
o-Xylene	0.0853	0.00200	"	0.100	ND	85.3	70-130			
m,p-Xylene	0.171	0.00400	"	0.200	ND	85.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1970 - EPA 5030 (soil)										
Matrix Spike Dup (B4I1970-MSD1)		Source: E409517-01			Prepared: 09/19/2024 Analyzed: 09/21/2024					
1,2,4-Trimethylbenzene	0.0696	0.00200	mg/kg	0.100	ND	69.6	70-130	17.7	20	QM-07
1,3,5-Trimethylbenzene	0.0694	0.00200	"	0.100	ND	69.4	70-130	18.5	20	QM-07
Benzene	0.0624	0.00200	"	0.100	ND	62.4	70-130	9.75	20	QM-07
Ethylbenzene	0.0741	0.00200	"	0.100	ND	74.1	70-130	14.8	20	
Naphthalene	0.0524	0.00380	"	0.100	ND	52.4	70-130	20.9	20	QM-07
Toluene	0.0680	0.00200	"	0.100	ND	68.0	70-130	12.3	20	QM-07
o-Xylene	0.0740	0.00200	"	0.100	ND	74.0	70-130	14.2	20	
m,p-Xylene	0.148	0.00400	"	0.200	ND	74.0	70-130	14.5	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I2024 - EPA 3550B										
Blank (B4I2024-BLK1)					Prepared: 09/20/2024 Analyzed: 09/23/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.6	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2024 - EPA 3550B

LCS (B4I2024-BS1)

Prepared: 09/20/2024 Analyzed: 09/23/2024

Diesel (C10-C28)	875	50.0	mg/kg	1000		87.5	70-130			
Residual Range Organics (C28-C40)	943	200	"	1000		94.3	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

Origins Laboratory

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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 - SLW Green State BB18-09

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2024 - EPA 3550B

Matrix Spike (B4I2024-MS1)		Source: E409519-01			Prepared: 09/20/2024 Analyzed: 09/23/2024					
Diesel (C10-C28)	872	50.0	mg/kg	1000	ND	87.2	70-130			
Residual Range Organics (C28-C40)	962	200	"	1000	ND	96.2	70-130			
Surrogate: o-Terphenyl	50		"	49.8		99.9	50-150			

Origins Laboratory

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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 - SLW Green State BB18-09

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2024 - EPA 3550B

Matrix Spike Dup (B4I2024-MSD1)		Source: E409519-01			Prepared: 09/20/2024 Analyzed: 09/23/2024					
Diesel (C10-C28)	904	50.0	mg/kg	1000	ND	90.4	70-130	3.61	35	
Residual Range Organics (C28-C40)	993	200	"	1000	ND	99.3	70-130	3.20	35	
Surrogate: o-Terphenyl	51		"	49.8		102	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 - SLW Green State BB18-09

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I1854 - EPA 3050B

Blank (B4I1854-BLK1)

Prepared: 09/18/2024 Analyzed: 09/21/2024

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 (B4I1854-BS1)

Prepared: 09/18/2024 Analyzed: 09/21/2024

Arsenic	4.98	0.290	mg/kg	5.00	99.6	80-120
Barium	478	10.0	"	500	95.5	80-120
Cadmium	5.09	0.100	"	5.00	102	80-120
Copper	50.8	10.0	"	50.0	102	80-120
Lead	4.82	1.00	"	5.00	96.3	80-120
Nickel	5.06	1.00	"	5.00	101	80-120
Selenium	4.94	0.260	"	5.00	98.8	80-120
Silver	5.26	0.100	"	5.00	105	80-120
Zinc	49.1	37.0	"	50.0	98.1	80-120

Matrix Spike (B4I1854-MS1)

Source: E409520-01

Prepared: 09/18/2024 Analyzed: 09/21/2024

Origins Laboratory

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I1854 - EPA 3050B

Matrix Spike (B4I1854-MS1)		Source: E409520-01			Prepared: 09/18/2024 Analyzed: 09/21/2024					
Arsenic	5.85	0.259	mg/kg	4.47	1.54	96.6	75-125			
Barium	485	8.93	"	447	49.7	97.5	75-125			
Cadmium	4.80	0.0893	"	4.47	0.0668	106	75-125			
Copper	50.4	8.93	"	44.7	4.60	102	75-125			
Lead	10.4	0.893	"	4.47	5.60	108	75-125			
Nickel	9.72	0.893	"	4.47	4.08	126	75-125			QM-07
Selenium	4.35	0.232	"	4.47	ND	97.3	75-125			
Silver	4.90	0.0893	"	4.47	0.0208	109	75-125			
Zinc	67.7	33.1	"	44.7	21.0	105	75-125			
Matrix Spike Dup (B4I1854-MSD1)		Source: E409520-01			Prepared: 09/18/2024 Analyzed: 09/21/2024					
Arsenic	5.86	0.279	mg/kg	4.81	1.54	89.9	75-125	0.0916	20	
Barium	482	9.62	"	481	49.7	89.8	75-125	0.706	20	
Cadmium	4.78	0.0962	"	4.81	0.0668	97.9	75-125	0.426	20	
Copper	52.0	9.62	"	48.1	4.60	98.7	75-125	3.32	20	
Lead	9.90	0.962	"	4.81	5.60	89.5	75-125	5.21	20	
Nickel	9.48	0.962	"	4.81	4.08	112	75-125	2.43	20	
Selenium	4.56	0.250	"	4.81	ND	94.8	75-125	4.69	20	
Silver	4.99	0.0962	"	4.81	0.0208	103	75-125	1.75	20	
Zinc	68.9	35.6	"	48.1	21.0	99.8	75-125	1.80	20	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2332 - EPA 3580

Blank (B4I2332-BLK1)

Prepared: 09/23/2024 Analyzed: 09/26/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		93.1	60-130			
Surrogate: Pyrene-d10	190		"	200		94.5	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B4I2332-BS1)

Prepared: 09/23/2024 Analyzed: 09/26/2024

1-Methylnaphthalene	0.201	0.002	mg/kg	0.200		100	70-130			
2-Methylnaphthalene	0.199	0.002	"	0.200		99.7	70-130			
Acenaphthene	0.204	0.020	"	0.200		102	70-130			
Anthracene	0.198	0.020	"	0.200		98.9	70-130			

Origins Laboratory



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2332 - EPA 3580

LCS (B4I2332-BS1)

Prepared: 09/23/2024 Analyzed: 09/26/2024

Benzo (a) anthracene	0.194	0.005	mg/kg	0.200		97.0	70-130			
Benzo (a) pyrene	0.216	0.020	"	0.200		108	70-130			
Benzo (b) fluoranthene	0.215	0.020	"	0.200		108	70-130			
Benzo (g,h,i) perylene	0.207	0.020	"	0.200		104	70-130			
Benzo (k) fluoranthene	0.214	0.020	"	0.200		107	70-130			
Chrysene	0.183	0.020	"	0.200		91.4	70-130			
Dibenz (a,h) anthracene	0.204	0.020	"	0.200		102	70-130			
Fluoranthene	0.194	0.020	"	0.200		97.0	70-130			
Fluorene	0.206	0.020	"	0.200		103	70-130			
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200		103	70-130			
Naphthalene	0.206	0.002	"	0.200		103	70-130			
Phenanthrene	0.197	0.020	"	0.200		98.3	70-130			
Pyrene	0.195	0.020	"	0.200		97.5	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		92.9	60-130			
Surrogate: Pyrene-d10	200		"	200		97.6	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike (B4I2332-MS1)

Source: E409519-01

Prepared: 09/23/2024 Analyzed: 09/26/2024

1-Methylnaphthalene	0.325	0.002	mg/kg	0.200	0.203	60.7	70-130			QM-07
2-Methylnaphthalene	0.396	0.002	"	0.200	0.310	43.0	70-130			QM-07
Acenaphthene	0.207	0.020	"	0.200	0.039	84.2	70-130			
Anthracene	0.177	0.020	"	0.200	0.004	86.4	70-130			
Benzo (a) anthracene	0.171	0.005	"	0.200	0.002	84.6	70-130			
Benzo (a) pyrene	0.174	0.020	"	0.200	0.004	85.3	70-130			
Benzo (b) fluoranthene	0.183	0.020	"	0.200	0.003	89.9	70-130			
Benzo (g,h,i) perylene	0.184	0.020	"	0.200	0.007	88.2	70-130			

Origins Laboratory

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2332 - EPA 3580

Matrix Spike (B4I2332-MS1)		Source: E409519-01			Prepared: 09/23/2024 Analyzed: 09/26/2024					
Benzo (k) fluoranthene	0.195	0.020	mg/kg	0.200	ND	97.7	70-130			
Chrysene	0.171	0.020	"	0.200	0.003	84.2	70-130			
Dibenz (a,h) anthracene	0.179	0.020	"	0.200	ND	89.3	70-130			
Fluoranthene	0.171	0.020	"	0.200	0.005	82.9	70-130			
Fluorene	0.216	0.020	"	0.200	0.048	83.8	70-130			
Indeno (1,2,3-cd) pyrene	0.179	0.020	"	0.200	0.003	88.1	70-130			
Naphthalene	0.269	0.002	"	0.200	0.108	80.7	70-130			
Phenanthrene	0.218	0.020	"	0.200	0.058	80.2	70-130			
Pyrene	0.189	0.020	"	0.200	0.016	86.2	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		92.6	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4I2332-MSD1)		Source: E409519-01			Prepared: 09/23/2024 Analyzed: 09/26/2024					
1-Methylnaphthalene	0.258	0.002	mg/kg	0.200	0.203	27.4	70-130	22.9	20	QM-07, QR-02
2-Methylnaphthalene	0.310	0.002	"	0.200	0.310	NR	70-130	24.5	20	QM-07, QR-02
Acenaphthene	0.184	0.020	"	0.200	0.039	72.5	70-130	11.9	20	
Anthracene	0.154	0.020	"	0.200	0.004	75.0	70-130	13.8	20	
Benzo (a) anthracene	0.149	0.005	"	0.200	0.002	73.7	70-130	13.5	20	
Benzo (a) pyrene	0.153	0.020	"	0.200	0.004	74.7	70-130	12.9	20	
Benzo (b) fluoranthene	0.158	0.020	"	0.200	0.003	77.3	70-130	14.8	20	
Benzo (g,h,i) perylene	0.159	0.020	"	0.200	0.007	75.9	70-130	14.4	20	
Benzo (k) fluoranthene	0.150	0.020	"	0.200	ND	75.1	70-130	26.1	20	QR-02
Chrysene	0.153	0.020	"	0.200	0.003	75.0	70-130	11.4	20	
Dibenz (a,h) anthracene	0.155	0.020	"	0.200	ND	77.5	70-130	14.2	20	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I2332 - EPA 3580

Matrix Spike Dup (B4I2332-MSD1)		Source: E409519-01			Prepared: 09/23/2024 Analyzed: 09/26/2024					
Fluoranthene	0.151	0.020	mg/kg	0.200	0.005	72.9	70-130	12.3	20	
Fluorene	0.192	0.020	"	0.200	0.048	71.7	70-130	11.9	20	
Indeno (1,2,3-cd) pyrene	0.157	0.020	"	0.200	0.003	77.2	70-130	13.0	20	
Naphthalene	0.220	0.002	"	0.200	0.108	55.9	70-130	20.3	20	QM-07, QR-02
Phenanthrene	0.187	0.020	"	0.200	0.058	64.9	70-130	15.1	20	QM-07
Pyrene	0.159	0.020	"	0.200	0.016	71.5	70-130	16.9	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		92.1	60-130			
Surrogate: Pyrene-d10	200		"	200		99.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

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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 Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4I1908 - Saturated Paste Metals

Blank (B4I1908-BLK1)

Prepared: 09/19/2024 Analyzed: 09/20/2024

SAR	ND	0.0100	SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B4I1908-DUP1)

Source: E409516-01

Prepared: 09/19/2024 Analyzed: 09/20/2024

Calcium PPM	34.9	10.0	mg/L	34.8	0.345	50
SAR	ND	0.0100	SAR	0.447		200
Magnesium PPM	4.50	10.0	mg/L	4.88	8.10	50
Sodium PPM	12.7	10.0	"	10.6	17.7	50

Batch B4I2007 - DTPA Sorbitol Preparation

Blank (B4I2007-BLK1)

Prepared: 09/20/2024 Analyzed: 09/23/2024

Boron	ND	0.100	mg/L
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Duplicate (B4I2007-DUP1)

Source: E409523-01

Prepared: 09/20/2024 Analyzed: 09/23/2024

Boron	0.226	0.0993	mg/L	0.242	7.11	50
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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 - SLW Green State BB18-09

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1926 - Saturated Paste pH/EC										
Blank (B4I1926-BLK1)					Prepared: 09/19/2024 Analyzed: 09/23/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4I1926-DUP1)					Source: E409516-01 Prepared: 09/19/2024 Analyzed: 09/23/2024					
Specific Conductance (EC)	0.384	0.00500	mmhos/cm		0.392			2.24	25	
pH	8.46		pH Units		8.51			0.589	25	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - SLW Green State BB18-09

Total Metals 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L777675 -										
DUP (L 95084-DUP)	Source: 95084				Prepared: Analyzed: 10/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	2.3	20	
MS (L 95084-MS)	Source: 95084				Prepared: Analyzed: 10/11/2024					
Chromium, Hexavalent	34.7	2.58	mg/Kg	41.3	< 0.249	84	75-125			
LCS (LCS)					Prepared: Analyzed: 10/11/2024					
Chromium, Hexavalent	6.34	0.5	mg/Kg	8		79	75-125			
LRB (LRB)					Prepared: Analyzed: 10/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - SLW Green State BB18-09

Notes and Definitions

U Sample is Non-Detect.

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.

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.

Origins Laboratory



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