



Facility Closure Investigation and Environmental Summary

Reichert 09-05 Wellhead

ECMC Remediation Project #34125

Weld County, Colorado

Attachments:

Figure 1 – General Location Map

Figure 2 – Wellhead Soil Sample and Field Screening Locations

Table 1 – Soil Sample and Field Screening Location Information

Table 2 – Soil Analytical Results Summary Table – Volatile Organics

Table 3 – Soil Analytical Results Summary Table – PAHs

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Table 5 – Soil Analytical Results Summary Table – Metals

Attachment A: Photographic Log

Attachment B: Facility Closure Checklists

Attachment C: Laboratory Analytical Reports

FIGURES



La Salle

Todd Ave

County Road 50

County Road 50

Sunset Dr

Union Ditch

4681 ft

South Branch Union Ditch

S 2nd St

85

County Road 37

County Road 41

County Road 48

County Road 48

Western Maud Ditch

County Road 39

County Road 41

Behrens Reservoir

County Road 46

County Road 46

County Road 43

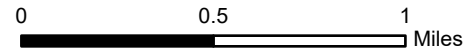
County Road 46

4711 ft

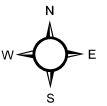


LEGEND

★ Site Location



1 inch = 0.5 Mile



Project No: 024-195

Map By: JW

Date: 06/29/2024

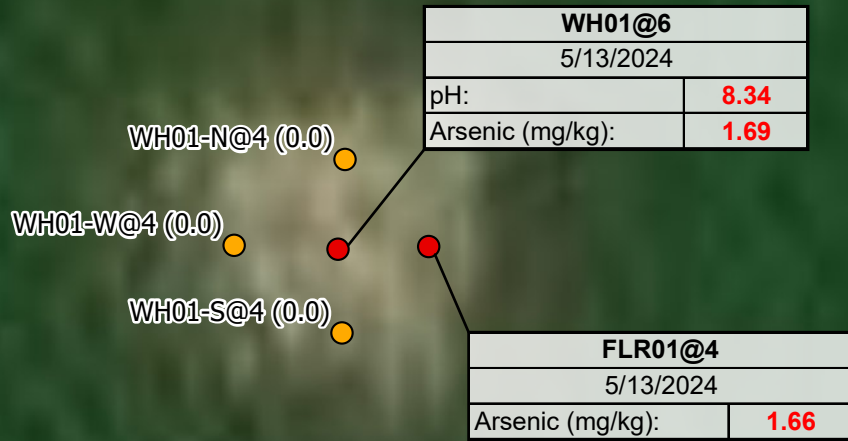
**REICHERT 09-05 WELLHEAD
GENERAL LOCATION MAP**
NOBLE ENERGY
SW 1/4 NW 1/4 SECTION 9
T4N R65W, 6TH PM
WELD COUNTY, COLORADO



1843 Sunlight Dr.
Longmont, CO 80504
303.378.4036

Figure

1



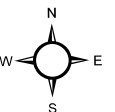
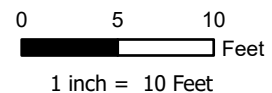
LABEL LEGEND
 XXXX@X: SAMPLE NAME @ DEPTH IN FEET
 WH: WELLHEAD SAMPLE
 FLR: FLOWLINE RISER SAMPLE
RED: ABOVE ECMC TABLE 915-1 GWSSL

Maxar, Microsoft

Legend

- Soil Sample
- Screening Location

NOTES:
 - Sample Label (PID Result in ppm)
 - ppm = parts per million
 - PID = photoionization detector



Project No: 024-195
 Map By: JW
 Date: 06/28/2024

**REICHERT 09-05 WELLHEAD
 SOIL SAMPLE AND FIELD SCREENING LOCATIONS**
 NOBLE ENERGY
 SW 1/4 NW 1/4 SECTION 9
 T4N R65W, 6TH PM
 WELD COUNTY, COLORADO



1843 Sunlight Drive
 Longmont, CO 80504
 303.378.4036

Figure
 2

TABLES

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
REICHERT 09-05 WELLHEAD, WELD COUNTY, COLORADO
REM # 34125

Sample ID	Sample Date	Depth (ft-bgs)	GPS Data Latitude/Longitude		VOC Concentration (ppm)
WH01@6	5/13/2024	6	40.328923	-104.675206	14.6
FLR01@4	5/13/2024	4	40.328923	-104.675189	0.0
WH01-N@4	5/13/2024	4	40.328935	-104.675204	0.0
WH01-W@4	5/13/2024	4	40.328923	-104.675225	5.9
WH01-S@4	5/13/2024	4	40.328911	-104.675205	0.0

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

ppm = Parts per million

ft-bgs = feet below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
REICHERT 09-05 WELLHEAD, WELD COUNTY, COLORADO
REM # 34125

Sample ID	Sample Date	Depth (ft-bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
WH01@6	5/13/2024	6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	0.456	0.456	<25.0	<100
FLR01@4	5/13/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<125.200	<0.200	<25.0	<100

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit

2. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

ft-bgs = feet below ground surface

mg/kg - milligrams per kilogram

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
REICHERT 09-05 WELLHEAD, WELD COUNTY, COLORADO
REM # 34125

Sample ID	Sample Date	Depth (ft-bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WH01@6	5/13/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.003	0.003
FLR01@4	5/13/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
ft-bgs = feet below ground surface
mg/kg - milligrams per kilogram

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
REICHERT 09-05 WELLHEAD, WELD COUNTY, COLORADO
REM # 34125

Sample ID	Sample Date	Depth (ft-bgs)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
WH01@6	5/13/2024	6	8.34	0.422	3.25	0.156
FLR01@4	5/13/2024	4	7.77	0.146	1.95	<0.0992

1. **RED** - Above ECMC Table 915-1 Standards
 2. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
- ft-bgs = feet below ground surface
 EC - Electrical Conductivity
 SAR - Sodium adsorption ratio
 mmhos/cm - millimhos per centimeter
 mg/L - milligrams per liter

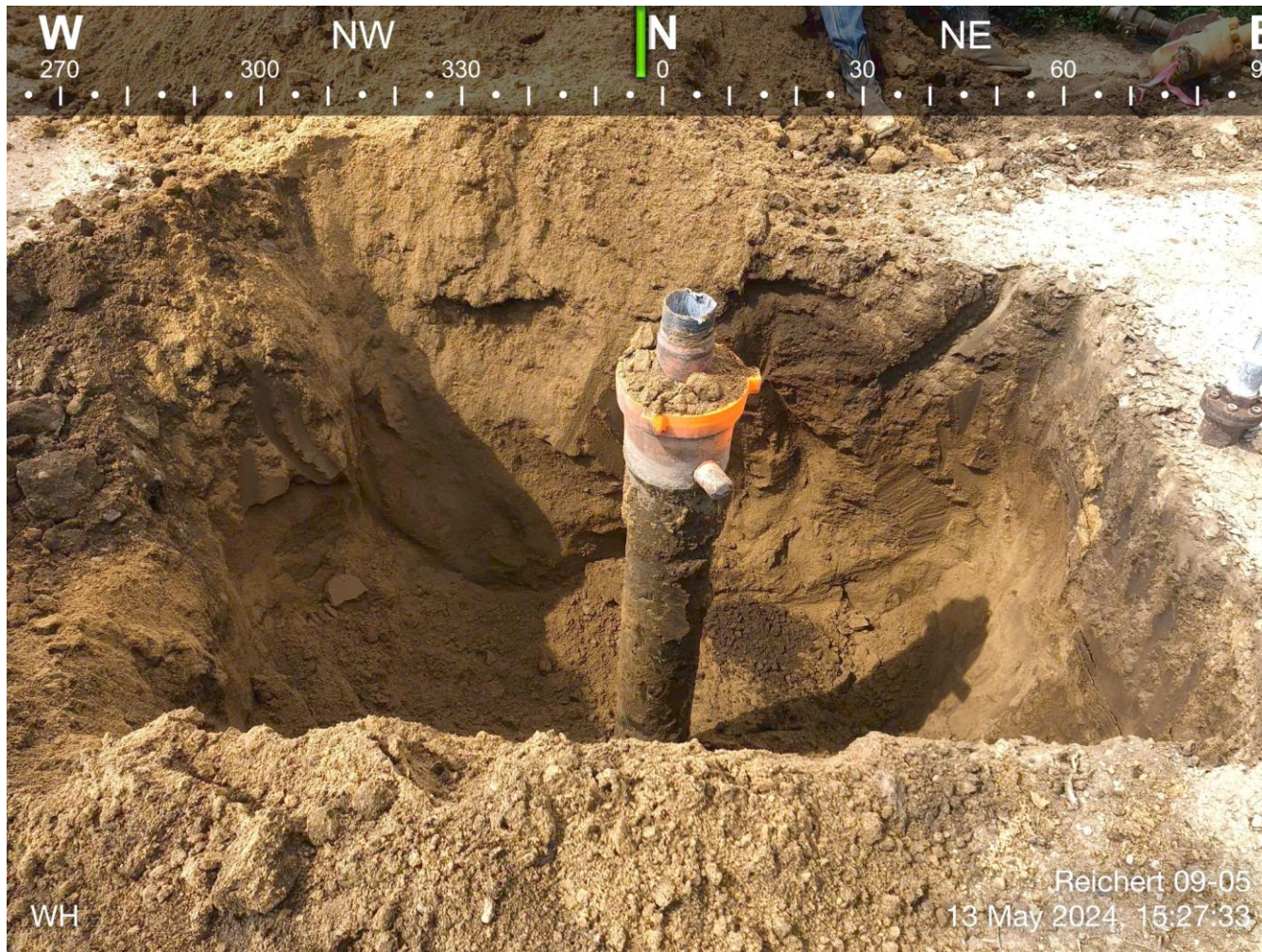
TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
REICHERT 09-05 WELLHEAD, WELD COUNTY, COLORADO
REM # 34125

Sample ID	Sample Date	Depth (ft-bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
WH01@6	5/13/2024	6	1.69	47.3	0.118	<0.0974*	<9.53	12.0	4.49	<0.248	<0.0953	<35.3
FLR01@4	5/13/2024	4	1.66	40.7	<0.0986	<0.144*	<9.86	4.33	4.44	<0.256	<0.0986	<36.5

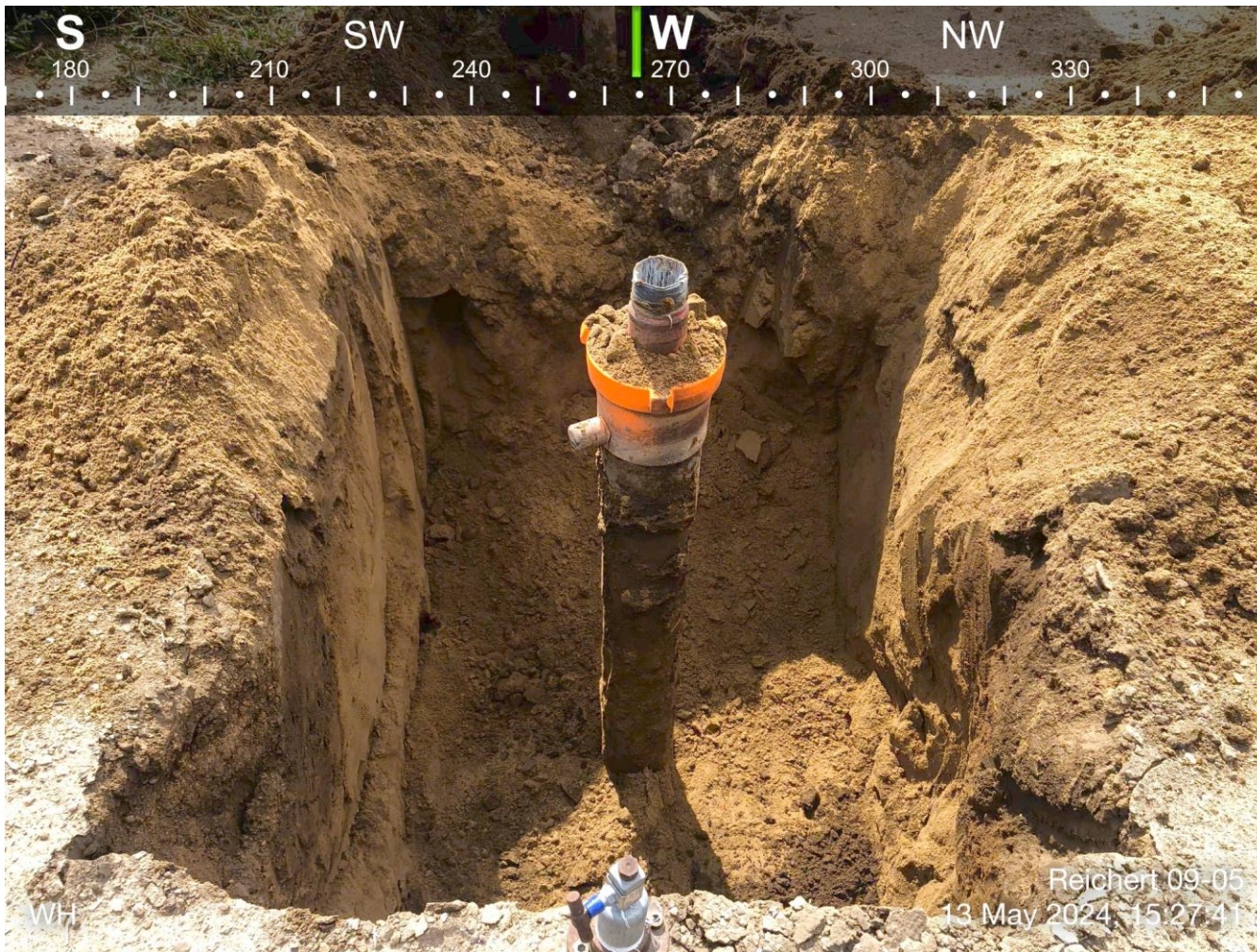
1. **RED** - Above ECMC Table 915-1 Standards
 2. Red highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 3. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
- * Indicates laboratory minimum detection limit in excess of SSL
- ft-bgs = feet below ground surface
mg/kg - milligrams per kilogram

**ATTACHMENT A
PHOTOGRAPHIC LOG**

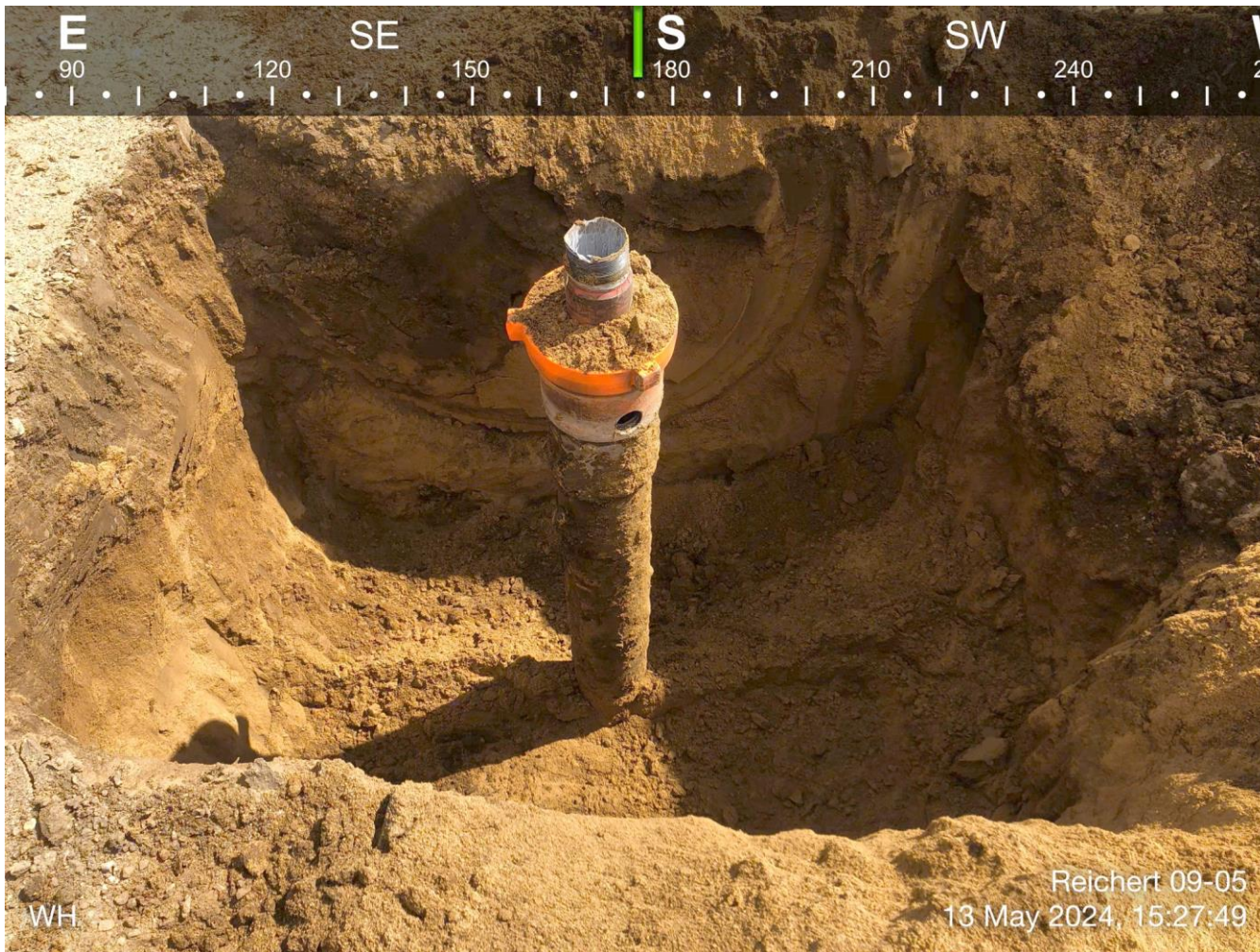
Reichert 09-05 Photographic Log



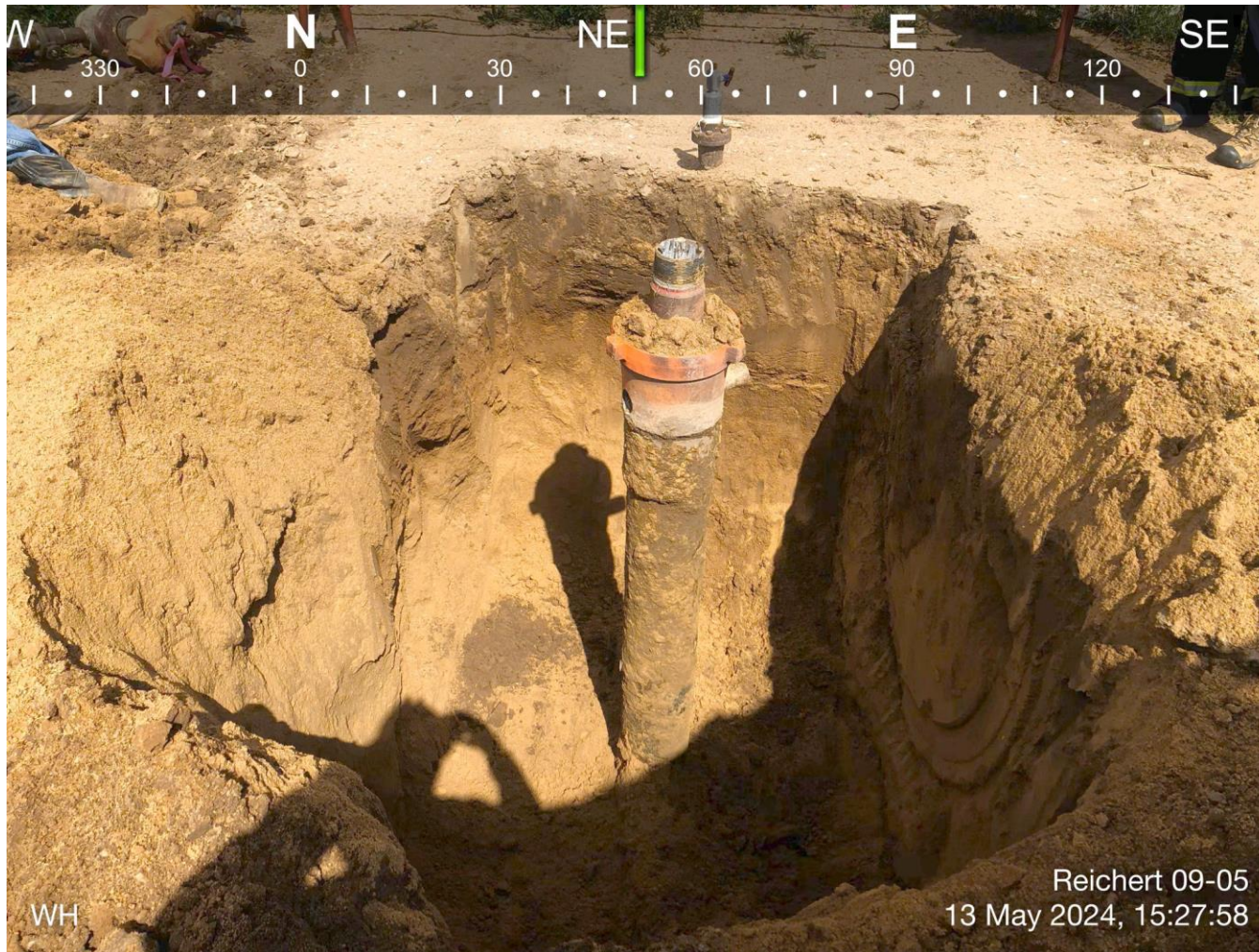
Reichert 09-05 Photographic Log



Reichert 09-05 Photographic Log



Reichert 09-05 Photographic Log



**ATTACHMENT B
FACILITY CLOSURE CHECKLISTS**

Wellhead Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure	
Site Name & COGCC Facility Number: Reichert 09-05, 245834		Date: 5/13/2024						Remediation Project #: 34125	
Associated Wells: NA		Age of Site: 9/27/1987 - spud date						Number of Photos Attached: 4	
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.328910, -104.675170								Estimated Facility Size (acres): ~0.01	
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Overall good.									
USCS Soil Type: SM					Estimated Depth to Groundwater: Unknown/Not Encountered				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed.									
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed.									
Wellhead(s)									
Well API	05-123-13629								
Age	9/27/1987 - spud date								
Condition of surface around wellhead	Good								
PID Readings	0.0 - 14.6 ppm								
Condition of subsurface (staining present)	Good								
PID Readings	0.0 - 14.6 ppm								
Sample taken? Location/Sample ID#	WH01@6, FLR01@4								
Photo Number(s)	1-4								
Other observations regarding wellheads:									
Summary									
Was impacted soil identified? <input checked="" type="checkbox"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards									
Total number of samples field screened: 5					Total number of samples collected: 5				
Highest PID Reading: 14.6 ppm					Total number of samples submitted to lab for analysis: 2				
If more than 10 cubic yards of impacted soil were observed: NA									
Vertical extent:					Estimated spill volume:				
Lateral extent:					Volume of soil removed:				
Is additional investigation required?									
Was groundwater encountered during the investigation? <input checked="" type="checkbox"/> No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils									
Measured depth to groundwater:					Was remedial groundwater removal conducted? Yes No				
Date Groundwater was encountered:					Commencement date of removal:				
Sheen on groundwater? Yes No					Volume of groundwater removed prior to sampling:				
Free product observed? Yes No					Volume of groundwater removed post sampling:				
Total number of samples collected:					Total Volume of groundwater removed:				
Total number of samples submitted to lab for analysis:									

**ATTACHMENT C
LABORATORY ANALYTICAL REPORTS**

May 28, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Reichet 09-05

Project Number - [none]

Attached are your analytical results for Chevron - Reichet 09-05 received by Origins Laboratory, Inc. May 13, 2024. This project is associated with Origins project number Y405409-01.

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



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Reichet 09-05

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6'	Y405409-01	Soil	May 13, 2024 15:00	05/13/2024 17:40
FLR01@4	Y405409-02	Soil	May 13, 2024 15:05	05/13/2024 17:40

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 - Reichet 09-05

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4405409

Client: Entrada

Client Project ID: Reichet 09-05

Checklist Completed by: JSTV SA

Shipped Via: HD

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

Date/time completed: 5/14/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 24 °C / °C / °C / °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⁾ ?		/		SD
Is there ice present (document if blue ice is used)		/		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			/	
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)

5/15/12
 Date/Time Reviewed

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 - Reichet 09-05

WH01@6'
5/13/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405409-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.156		0.100	mg/L	1	B4E1513	05/15/2024	05/16/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E1524	05/15/2024	05/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	88.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E1502	05/15/2024	05/15/2024	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	0.456		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	

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 - Reichet 09-05

WH01@6'
5/13/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405409-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	102 %		70-130			B4E15 02	05/15/2024	05/15/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	0.608	0.499	meq/L	10	[CALC]		05/16/2024	05/17/2024	
Magnesium	ND	0.823	"	"	"	"	"	"	
Sodium	2.05	0.435	"	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B4E1542		05/15/2024	05/17/2024	
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.



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 - Reichet 09-05

WH01@6'
5/13/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405409-01 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND		0.020	mg/kg	1	B4E1542	05/15/2024	05/17/2024	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	102 %		60-130			"	"	"	
Surrogate: Anthracene-d10	99.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	86.7 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.34			pH Units	1	B4E1620	05/16/2024	05/17/2024	
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SAR by 20B Saturated Paste

SAR	3.25		0.0100	SAR	1	B4E1608	05/16/2024	05/17/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.422		0.00500	mmhos/cm	1	B4E1620	05/16/2024	05/17/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.69		0.276	mg/kg	10	B4E1405	05/14/2024	05/16/2024	
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Origins Laboratory, Inc.



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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

WH01@6'
5/13/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405409-01 (Soil)

Table 915 metals by EPA 6020B

Barium	47.3		9.53	mg/kg	10	B4E1405	05/14/2024	05/16/2024	
Cadmium	0.118		0.0953	"	"	"	"	"	
Copper	ND		9.53	"	"	"	"	"	
Lead	12.0		0.953	"	"	"	"	"	
Nickel	4.49		0.953	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	
Silver	ND		0.0953	"	"	"	"	"	
Zinc	ND		35.3	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.0974	0.244	mg/kg dry	1	2615165	05/22/2024	05/23/2024	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 - Reichet 09-05

FLR01@4
 5/13/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405409-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0992	mg/L	1	B4E1513	05/15/2024	05/16/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E1524	05/15/2024	05/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	95.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E1502	05/15/2024	05/15/2024	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	96.4 %		70-130			"	"	"	
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

FLR01@4

5/13/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y405409-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	103 %		70-130			B4E15 02	05/15/2024	05/15/2024	
Surrogate: 4-Bromofluorobenzene	97.0 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		05/16/2024	05/17/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	0.611	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E1542		05/15/2024	05/17/2024	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 - Reichet 09-05

FLR01@4
 5/13/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y405409-02 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4E1542	05/15/2024	05/17/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	100 %		60-130			"	"	"	
Surrogate: Pyrene-d10	88.7 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	94.3 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.77			pH Units	1	B4E1620	05/16/2024	05/17/2024	
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SAR by 20B Saturated Paste

SAR	1.95		0.0100	SAR	1	B4E1608	05/16/2024	05/17/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.146		0.00500	mmhos/cm	1	B4E1620	05/16/2024	05/17/2024	
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Table 915 metals by EPA 6020B

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

FLR01@4

5/13/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y405409-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.66		0.286	mg/kg	10	B4E1405	05/14/2024	05/16/2024	
Barium	40.7		9.86	"	"	"	"	"	
Cadmium	ND		0.0986	"	"	"	"	"	
Copper	ND		9.86	"	"	"	"	"	
Lead	4.33		0.986	"	"	"	"	"	
Nickel	4.44		0.986	"	"	"	"	"	
Selenium	ND		0.256	"	"	"	"	"	
Silver	ND		0.0986	"	"	"	"	"	
Zinc	ND		36.5	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.144	0.360	mg/kg dry	1	2615165	05/22/2024	05/23/2024	U
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Origins Laboratory, Inc.



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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1502 - EPA 5030 (soil)

Blank (B4E1502-BLK1)

Prepared: 05/15/2024 Analyzed: 05/15/2024

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	0.12		"	0.125	94.7		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	104		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	96.0		70-130			

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1502 - EPA 5030 (soil)

LCS (B4E1502-BS1)

Prepared: 05/15/2024 Analyzed: 05/15/2024

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.102	0.00200	"	0.100		102	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.104	0.00380	"	0.100		104	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.202	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1502 - EPA 5030 (soil)

Matrix Spike (B4E1502-MS1)	Source: Y405402-01			Prepared: 05/15/2024 Analyzed: 05/15/2024						
1,2,4-Trimethylbenzene	0.0646	0.00200	mg/kg	0.100	ND	64.6	70-130			QM-07
1,3,5-Trimethylbenzene	0.0722	0.00200	"	0.100	0.000460	71.7	70-130			
Benzene	0.0798	0.00200	"	0.100	ND	79.8	70-130			
Ethylbenzene	0.0769	0.00200	"	0.100	ND	76.9	70-130			
Naphthalene	0.0641	0.00380	"	0.100	ND	64.1	70-130			QM-07
Toluene	0.0805	0.00200	"	0.100	ND	80.5	70-130			
o-Xylene	0.0829	0.00200	"	0.100	ND	82.9	70-130			
m,p-Xylene	0.150	0.00400	"	0.200	ND	74.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1502 - EPA 5030 (soil)

Matrix Spike Dup (B4E1502-MSD1)	Source: Y405402-01			Prepared: 05/15/2024 Analyzed: 05/15/2024						
1,2,4-Trimethylbenzene	0.0594	0.00200	mg/kg	0.100	ND	59.4	70-130	8.42	20	QM-07
1,3,5-Trimethylbenzene	0.0665	0.00200	"	0.100	0.000460	66.0	70-130	8.28	20	QM-07
Benzene	0.0765	0.00200	"	0.100	ND	76.5	70-130	4.25	20	
Ethylbenzene	0.0719	0.00200	"	0.100	ND	71.9	70-130	6.69	20	
Naphthalene	0.0601	0.00380	"	0.100	ND	60.1	70-130	6.41	20	QM-07
Toluene	0.0763	0.00200	"	0.100	ND	76.3	70-130	5.38	20	
o-Xylene	0.0795	0.00200	"	0.100	ND	79.5	70-130	4.29	20	
m,p-Xylene	0.141	0.00400	"	0.200	ND	70.4	70-130	6.05	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

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 330 Grand Ave. Unit C
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1524 - EPA 3550B										
Blank (B4E1524-BLK1)										
					Prepared: 05/15/2024 Analyzed: 05/18/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	24		"	24.9		97.1	50-150			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1524 - EPA 3550B

LCS (B4E1524-BS1)

Prepared: 05/15/2024 Analyzed: 05/18/2024

Diesel (C10-C28)	887	50.0	mg/kg	1000		88.7	70-130			
Residual Range Organics (C28-C40)	906	200	"	1000		90.6	70-130			
Surrogate: o-Terphenyl	45		"	49.8		89.6	50-150			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1524 - EPA 3550B

Matrix Spike (B4E1524-MS1)	Source: Y405406-01			Prepared: 05/15/2024 Analyzed: 05/18/2024						
Diesel (C10-C28)	865	50.0	mg/kg	1000	ND	86.5	70-130			
Residual Range Organics (C28-C40)	891	200	"	1000	ND	89.1	70-130			
<i>Surrogate: o-Terphenyl</i>	43		"	49.8		87.2	50-150			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1524 - EPA 3550B

Matrix Spike Dup (B4E1524-MSD1)	Source: Y405406-01		Prepared: 05/15/2024 Analyzed: 05/18/2024							
Diesel (C10-C28)	853	50.0	mg/kg	1000	ND	85.3	70-130	1.33	35	
Residual Range Organics (C28-C40)	883	200	"	1000	ND	88.3	70-130	0.918	35	
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E1405 - EPA 3050B

Blank (B4E1405-BLK1)

Prepared: 05/14/2024 Analyzed: 05/16/2024

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 (B4E1405-BS1)

Prepared: 05/14/2024 Analyzed: 05/16/2024

Arsenic	5.22	0.290	mg/kg	5.00		104	80-120			
Barium	522	10.0	"	500		104	80-120			
Cadmium	5.40	0.100	"	5.00		108	80-120			
Copper	49.1	10.0	"	50.0		98.2	80-120			
Lead	5.08	1.00	"	5.00		102	80-120			
Nickel	5.40	1.00	"	5.00		108	80-120			
Selenium	9.68	0.260	"	9.50		102	80-120			
Silver	5.17	0.100	"	5.00		103	80-120			
Zinc	52.9	37.0	"	50.0		106	80-120			

Matrix Spike (B4E1405-MS1)

Source: Y405400-01

Prepared: 05/14/2024 Analyzed: 05/16/2024

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1405 - EPA 3050B

Matrix Spike (B4E1405-MS1)		Source: Y405400-01			Prepared: 05/14/2024 Analyzed: 05/16/2024					
Arsenic	8.33	0.282	mg/kg	4.86	3.53	98.6	75-125			
Barium	656	9.71	"	486	170	100	75-125			
Cadmium	5.31	0.0971	"	4.86	0.185	105	75-125			
Copper	61.3	9.71	"	48.6	13.1	99.3	75-125			
Lead	16.5	0.971	"	4.86	12.8	75.4	75-125			
Nickel	17.5	0.971	"	4.86	13.2	87.5	75-125			
Selenium	9.81	0.253	"	9.23	0.254	104	75-125			
Silver	4.96	0.0971	"	4.86	0.0510	101	75-125			
Zinc	106	35.9	"	48.6	61.4	92.6	75-125			

Matrix Spike Dup (B4E1405-MSD1)		Source: Y405400-01			Prepared: 05/14/2024 Analyzed: 05/16/2024					
Arsenic	8.16	0.276	mg/kg	4.76	3.53	97.2	75-125	1.97	20	
Barium	652	9.52	"	476	170	101	75-125	0.567	20	
Cadmium	5.33	0.0952	"	4.76	0.185	108	75-125	0.529	20	
Copper	59.2	9.52	"	47.6	13.1	96.9	75-125	3.52	20	
Lead	17.1	0.952	"	4.76	12.8	89.2	75-125	3.46	20	
Nickel	17.3	0.952	"	4.76	13.2	86.3	75-125	0.829	20	
Selenium	9.46	0.247	"	9.04	0.254	102	75-125	3.60	20	
Silver	4.94	0.0952	"	4.76	0.0510	103	75-125	0.524	20	
Zinc	112	35.2	"	47.6	61.4	105	75-125	4.74	20	

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Entrada Consulting Group
 330 Grand Ave. Unit C
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1542 - EPA 3580

Blank (B4E1542-BLK1)

Prepared: 05/15/2024 Analyzed: 05/17/2024

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		102	60-130			
Surrogate: Anthracene-d10	200		"	200		99.1	60-130			
Surrogate: Pyrene-d10	170		"	200		87.0	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.2	60-130			

LCS (B4E1542-BS1)

Prepared: 05/15/2024 Analyzed: 05/17/2024

1-Methylnaphthalene	0.180	0.002	mg/kg	0.200		89.8	70-130			
2-Methylnaphthalene	0.181	0.002	"	0.200		90.4	70-130			
Acenaphthene	0.179	0.020	"	0.200		89.7	70-130			
Anthracene	0.175	0.020	"	0.200		87.5	70-130			

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1542 - EPA 3580

LCS (B4E1542-BS1)

Prepared: 05/15/2024 Analyzed: 05/17/2024

Benzo (a) anthracene	0.184	0.005	mg/kg	0.200		92.1	70-130			
Benzo (a) pyrene	0.180	0.020	"	0.200		89.8	70-130			
Benzo (b) fluoranthene	0.184	0.020	"	0.200		92.0	70-130			
Benzo (g,h,i) perylene	0.172	0.020	"	0.200		86.1	70-130			
Benzo (k) fluoranthene	0.172	0.020	"	0.200		85.9	70-130			
Chrysene	0.182	0.020	"	0.200		91.0	70-130			
Dibenz (a,h) anthracene	0.196	0.020	"	0.200		98.1	70-130			
Fluoranthene	0.187	0.020	"	0.200		93.5	70-130			
Fluorene	0.184	0.020	"	0.200		92.0	70-130			
Indeno (1,2,3-cd) pyrene	0.171	0.020	"	0.200		85.6	70-130			
Naphthalene	0.182	0.002	"	0.200		91.0	70-130			
Phenanthrene	0.178	0.020	"	0.200		89.0	70-130			
Pyrene	0.152	0.020	"	0.200		76.0	70-130			

Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	170		"	200		85.5	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.1	60-130			

Matrix Spike (B4E1542-MS1)

Source: Y405402-01

Prepared: 05/15/2024 Analyzed: 05/17/2024

1-Methylnaphthalene	0.189	0.002	mg/kg	0.200	0.012	88.4	70-130			
2-Methylnaphthalene	0.194	0.002	"	0.200	0.027	83.2	70-130			
Acenaphthene	0.182	0.020	"	0.200	0.010	86.3	70-130			
Anthracene	0.184	0.020	"	0.200	0.003	90.4	70-130			
Benzo (a) anthracene	0.177	0.005	"	0.200	ND	88.6	70-130			
Benzo (a) pyrene	0.173	0.020	"	0.200	ND	86.7	70-130			
Benzo (b) fluoranthene	0.179	0.020	"	0.200	0.001	89.0	70-130			
Benzo (g,h,i) perylene	0.169	0.020	"	0.200	ND	84.7	70-130			

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1542 - EPA 3580

Matrix Spike (B4E1542-MS1)		Source: Y405402-01			Prepared: 05/15/2024 Analyzed: 05/17/2024					
Benzo (k) fluoranthene	0.161	0.020	mg/kg	0.200	0.001	79.7	70-130			
Chrysene	0.188	0.020	"	0.200	0.009	89.3	70-130			
Dibenz (a,h) anthracene	0.194	0.020	"	0.200	ND	96.8	70-130			
Fluoranthene	0.190	0.020	"	0.200	ND	94.8	70-130			
Fluorene	0.184	0.020	"	0.200	0.011	86.7	70-130			
Indeno (1,2,3-cd) pyrene	0.182	0.020	"	0.200	ND	90.8	70-130			
Naphthalene	0.185	0.002	"	0.200	0.004	90.3	70-130			
Phenanthrene	0.185	0.020	"	0.200	0.011	86.9	70-130			
Pyrene	0.158	0.020	"	0.200	0.003	77.4	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	170		"	200		87.3	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.1	60-130			

Matrix Spike Dup (B4E1542-MSD1)		Source: Y405402-01			Prepared: 05/15/2024 Analyzed: 05/17/2024					
1-Methylnaphthalene	0.199	0.002	mg/kg	0.200	0.012	93.7	70-130	5.46	20	
2-Methylnaphthalene	0.202	0.002	"	0.200	0.027	87.3	70-130	4.19	20	
Acenaphthene	0.188	0.020	"	0.200	0.010	89.2	70-130	3.13	20	
Anthracene	0.211	0.020	"	0.200	0.003	104	70-130	13.5	20	
Benzo (a) anthracene	0.182	0.005	"	0.200	ND	91.1	70-130	2.82	20	
Benzo (a) pyrene	0.187	0.020	"	0.200	ND	93.5	70-130	7.56	20	
Benzo (b) fluoranthene	0.190	0.020	"	0.200	0.001	94.5	70-130	5.97	20	
Benzo (g,h,i) perylene	0.180	0.020	"	0.200	ND	89.9	70-130	5.92	20	
Benzo (k) fluoranthene	0.191	0.020	"	0.200	0.001	94.9	70-130	17.3	20	
Chrysene	0.194	0.020	"	0.200	0.009	92.5	70-130	3.38	20	
Dibenz (a,h) anthracene	0.202	0.020	"	0.200	ND	101	70-130	4.22	20	
Fluoranthene	0.199	0.020	"	0.200	ND	99.6	70-130	4.98	20	

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

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 B4E1542 - EPA 3580

Matrix Spike Dup (B4E1542-MSD1)	Source: Y405402-01			Prepared: 05/15/2024 Analyzed: 05/17/2024						
Fluorene	0.190	0.020	mg/kg	0.200	0.011	89.5	70-130	3.09	20	
Indeno (1,2,3-cd) pyrene	0.181	0.020	"	0.200	ND	90.7	70-130	0.106	20	
Naphthalene	0.189	0.002	"	0.200	0.004	92.6	70-130	2.50	20	
Phenanthrene	0.193	0.020	"	0.200	0.011	91.2	70-130	4.63	20	
Pyrene	0.164	0.020	"	0.200	0.003	80.8	70-130	4.21	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	210		"	200		104	60-130			
Surrogate: Pyrene-d10	170		"	200		87.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	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 - Reichet 09-05

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 B4E1513 - DTPA Sorbitol Preparation

Blank (B4E1513-BLK1)

Prepared: 05/15/2024 Analyzed: 05/16/2024

Boron ND 0.100 mg/L

Duplicate (B4E1513-DUP1)

Source: Y405399-01

Prepared: 05/15/2024 Analyzed: 05/16/2024

Boron 0.181 0.0988 mg/L 0.192 5.82 50

Batch B4E1608 - Saturated Paste Metals

Blank (B4E1608-BLK1)

Prepared: 05/16/2024 Analyzed: 05/17/2024

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 (B4E1608-DUP1)

Source: Y405406-01

Prepared: 05/16/2024 Analyzed: 05/17/2024

SAR ND 0.0100 SAR 2.87 200

Calcium PPM 18.7 10.0 mg/L 18.3 2.49 50

Magnesium PPM 5.82 10.0 " 5.76 1.04 50

Sodium PPM 57.6 10.0 " 54.8 4.98 50

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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E1620 - Saturated Paste pH/EC										
Blank (B4E1620-BLK1)					Prepared: 05/16/2024 Analyzed: 05/17/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4E1620-DUP1)					Source: Y405406-01 Prepared: 05/16/2024 Analyzed: 05/17/2024					
pH	8.43		pH Units		8.36			0.834	25	
Specific Conductance (EC)	0.438	0.00500	mmhos/cm		0.416			5.20	25	

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 - Reichet 09-05

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 2615165 - SW846 3060A										
BLANK (1205740265-BLK)					Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	ND	0.379	mg/kg				-			U
LCS (1205740266-BKS)					Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	3.66	0.376	mg/kg	3.76		97.3	80-120			
DUP (1205740267 D)					Source: 667548001 Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	ND	0.456	mg/kg dry		<0.182		0-50	N/A	50	U
MS (1205740268 S)					Source: 667548001 Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	2.98	0.456	mg/kg dry	4.56	<0.182	64	75-125			
DUP (1205740269 D)					Source: 667548011 Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	ND	0.408	mg/kg dry		<0.163		0-50	N/A	50	U
MS (1205740270 S)					Source: 667548011 Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	2.84	0.408	mg/kg dry	4.08	<0.163	69.5	75-125			
ILCS (1205740271-ILCS)					Prepared: 05/22/2024 Analyzed: 05/23/2024					
Hexavalent Chromium	7.99	0.371	mg/kg	7.56		106	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 - Reichet 09-05

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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