

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 02, 2025

Kyle Johnson
Montrose Environmental
471 Denver Ave
Loveland, CO 80537

RE: Chevron - UPRC 23-10I7_11I7

Work Order #2504334

Enclosed are the results of analyses for samples received by Summit Scientific on 04/18/25 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Natalie Tessier For Paul Shrewsbury
President



Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_11I7

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@4'	2504334-01	Soil	04/16/25 11:57	04/18/25 08:30
BKG01@6'	2504334-02	Soil	04/16/25 12:00	04/18/25 08:30
BKG02@4'	2504334-03	Soil	04/16/25 12:05	04/18/25 08:30
BKG02@6'	2504334-04	Soil	04/16/25 12:09	04/18/25 08:30
BKG03@4'	2504334-05	Soil	04/16/25 12:14	04/18/25 08:30
BKG03@6'	2504334-06	Soil	04/16/25 12:19	04/18/25 08:30

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4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2504334	

	Send Data To:	Send Invoice To:
Client: Chevron	Project Manager: Kyle Johnson	Company: Chevron
Address: 4000 Burlington Ave	E-Mail: kylejohnson@montrose-env.com	Project Name/Location:
City/State/Zip: Evans, CO 80620	nicholewollesen@montrose-env.com	AFE#:
Phone: (470)-376-7431	Project Name: UPRC 23-1017-1117	PO/Billing Codes:
Sampler Name: Sam Wilson,	Project Number: 3301-102	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Other	Analysis Requested		Special Instructions
					HCl	HNO3	None	Other	Ice	Water			Soil	Other	
1	BKG01 @ 4'	4/16/25	1157a	2				X		X			X	X	
2	BKG01 @ 6'	↓	1200p	2				X		X			X	X	
3	BKG02 @ 4'		1205p	2				X		X			X	X	
4	BKG02 @ 6'		1209p	2				X		X			X	X	
5	BKG03 @ 4'		1214p	2				X		X			X	X	
6	BKG03 @ 6'		1219p	2				X		X			X	X	
7															
8															
9															
10															
11															
12															
13															
14															
15															

Relinquished by: Sam Wilson	Date/Time: 4/17/25 1700	Received by: S2	Date/Time: 4/17/25 1700	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: S2	Date/Time: 4/18/25 0830	Received by: [Signature]	Date/Time: 4/18/25 0830	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	<input checked="" type="checkbox"/> Field Turb.	
Temperature Upon Receipt: 44	Corrected Temperature: 6	IR gun #: 1	HNO3 lot #:			



Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG01@4'
2504334-01 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID1158	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.63	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	195	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	12.0	0.400	"	"	"	"	"	"	
Lead	9.20	0.200	"	"	"	"	"	"	
Nickel	5.22	0.400	"	"	"	"	"	"	
Silver	0.0540	0.0200	"	"	"	"	"	"	
Zinc	18.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	50.0	0.0500	mg/L dry	1	BIE0155	05/02/25	05/21/25	EPA 6020B	
Magnesium	16.7	0.0500	"	"	"	"	"	"	
Sodium	25.7	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG01@4'
2504334-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.804	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.1		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.476	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 11:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.48		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG01@6'
2504334-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID1158	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.51	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	191	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.42	0.400	"	"	"	"	"	"	
Lead	8.86	0.200	"	"	"	"	"	"	
Nickel	5.50	0.400	"	"	"	"	"	"	
Silver	0.0496	0.0200	"	"	"	"	"	"	
Zinc	17.3	0.400	"	"	"	"	"	"	
Selenium	0.266	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	114	0.0500	mg/L dry	1	BIE0155	05/02/25	05/22/25	EPA 6020B	
Magnesium	121	0.0500	"	"	"	"	"	"	
Sodium	361	0.0500	"	"	"	"	"	"	

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Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG01@6'
2504334-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.61	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.5		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.76	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.42		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG02@4'
2504334-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID1158	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.64	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	182	0.400	"	"	"	"	"	"	
Cadmium	0.218	0.200	"	"	"	"	"	"	
Copper	4.26	0.400	"	"	"	"	"	"	
Lead	9.31	0.200	"	"	"	"	"	"	
Nickel	5.28	0.400	"	"	"	"	"	"	
Silver	0.0597	0.0200	"	"	"	"	"	"	
Zinc	16.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	72.2	0.0500	mg/L dry	1	BIE0155	05/02/25	05/22/25	EPA 6020B	
Magnesium	27.6	0.0500	"	"	"	"	"	"	
Sodium	18.7	0.0500	"	"	"	"	"	"	

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Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG02@4'
2504334-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.475	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.6		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.511	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.34		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG02@6'
2504334-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID1158	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.58	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	167	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.62	0.400	"	"	"	"	"	"	
Lead	8.83	0.200	"	"	"	"	"	"	
Nickel	5.56	0.400	"	"	"	"	"	"	
Silver	0.0442	0.0200	"	"	"	"	"	"	
Zinc	19.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	3190	0.0500	mg/L dry	1	BIE0155	05/02/25	05/22/25	EPA 6020B	
Magnesium	304	0.0500	"	"	"	"	"	"	
Sodium	169	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 23-10I7_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG02@6'
2504334-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.766	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.3		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.678	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.96		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG03@4'
2504334-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID1158	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.90	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	174	0.400	"	"	"	"	"	"	
Cadmium	0.209	0.200	"	"	"	"	"	"	
Copper	4.37	0.400	"	"	"	"	"	"	
Lead	9.31	0.200	"	"	"	"	"	"	
Nickel	5.13	0.400	"	"	"	"	"	"	
Silver	0.0511	0.0200	"	"	"	"	"	"	
Zinc	17.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	5430	0.0500	mg/L dry	1	BIE0155	05/02/25	05/22/25	EPA 6020B	
Magnesium	315	0.0500	"	"	"	"	"	"	
Sodium	32.8	0.0500	"	"	"	"	"	"	

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Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG03@4'
2504334-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.117	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.1		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.588	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 12:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.08		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

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Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG03@6'
2504334-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	2.21	2.00	mg/L dry	1	BID1159	04/22/25	04/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.75	0.200	mg/kg dry	1	BID1165	04/22/25	05/30/25	EPA 6020B	
Barium	183	0.400	"	"	"	"	"	"	
Cadmium	0.204	0.200	"	"	"	"	"	"	
Copper	4.52	0.400	"	"	"	"	"	"	
Lead	9.87	0.200	"	"	"	"	"	"	
Nickel	5.69	0.400	"	"	"	"	"	"	
Silver	0.0637	0.0200	"	"	"	"	"	"	
Zinc	18.4	0.400	"	"	"	"	"	"	
Selenium	0.330	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID1172	04/22/25	04/22/25	Hach 8000	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	6070	0.0500	mg/L dry	1	BIE0155	05/02/25	05/22/25	EPA 6020B	
Magnesium	756	0.0500	"	"	"	"	"	"	
Sodium	352	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

BKG03@6'
2504334-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.13	0.00100	units	1	BIE0640	05/22/25	05/22/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.4		%	1	BID1155	04/22/25	04/22/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.960	0.0100	mmhos/cm	1	BIE0157	05/02/25	05/07/25	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/16/25 12:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.00		pH Units	1	BIE0156	05/02/25	05/07/25	EPA 9045D	

Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BID1158 - EPA 3050B

Blank (BID1158-BLK1)										
					Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	ND	2.00	mg/L wet							
LCS (BID1158-BS1)										
					Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	5.11	2.00	mg/L wet	5.00	102	80-120				
Duplicate (BID1158-DUP1)										
					Source: 2504324-01 Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	0.197	2.00	mg/L dry		0.181		8.83	20		
Matrix Spike (BID1158-MS1)										
					Source: 2504324-01 Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	5.93	2.00	mg/L dry	5.80	0.181	99.2	75-125			
Matrix Spike Dup (BID1158-MSD1)										
					Source: 2504324-01 Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	5.99	2.00	mg/L dry	5.80	0.181	100	75-125	0.888	25	

Batch BID1159 - EPA 3050B

Blank (BID1159-BLK1)										
					Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	ND	2.00	mg/L wet							
LCS (BID1159-BS1)										
					Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	5.04	2.00	mg/L wet	5.00	101	80-120				
Duplicate (BID1159-DUP1)										
					Source: 2504334-06 Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	2.16	2.00	mg/L dry		2.21		2.64	20		
Matrix Spike (BID1159-MS1)										
					Source: 2504334-06 Prepared: 04/22/25 Analyzed: 04/25/25					
Boron	6.94	2.00	mg/L dry	5.35	2.21	88.3	75-125			

Summit Scientific

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Montrose Environmental
 471 Denver Ave
 Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_11I7

Project Number: 3301-102
 Project Manager: Kyle Johnson

Reported:
 06/02/25 10:37

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source		%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BID1159 - EPA 3050B

Matrix Spike Dup (BID1159-MSD1)

Source: 2504334-06

Prepared: 04/22/25 Analyzed: 04/25/25

Boron	6.94	2.00	mg/L dry	5.35	2.21	88.3	75-125	0.0371	25	
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Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD		

Batch BID1165 - EPA 3050B

Blank (BID1165-BLK1)

Prepared: 04/22/25 Analyzed: 05/30/25

Arsenic	ND	0.200	mg/kg wet						
Barium	ND	0.400	"						
Cadmium	ND	0.200	"						
Copper	ND	0.400	"						
Lead	ND	0.200	"						
Nickel	ND	0.400	"						
Silver	ND	0.0200	"						
Zinc	ND	0.400	"						
Selenium	ND	0.260	"						

LCS (BID1165-BS1)

Prepared: 04/22/25 Analyzed: 05/30/25

Arsenic	40.9	0.200	mg/kg wet	40.7	101	80-120
Barium	44.3	0.400	"	40.7	109	80-120
Cadmium	2.13	0.200	"	2.03	105	80-120
Copper	42.4	0.400	"	40.7	104	80-120
Lead	22.3	0.200	"	20.3	110	80-120
Nickel	41.2	0.400	"	40.7	101	80-120
Silver	2.07	0.0200	"	2.03	102	80-120
Zinc	45.2	0.400	"	40.7	111	80-120
Selenium	4.47	0.260	"	4.07	110	80-120

Duplicate (BID1165-DUP1)

Source: 2504334-01

Prepared: 04/22/25 Analyzed: 05/30/25

Arsenic	1.71	0.200	mg/kg dry	1.63	4.91	20
Barium	194	0.400	"	195	0.927	20
Cadmium	0.189	0.200	"	0.199	5.04	20
Copper	4.70	0.400	"	12.0	87.3	20
Lead	9.29	0.200	"	9.20	0.868	20
Nickel	5.48	0.400	"	5.22	4.94	20
Silver	0.0602	0.0200	"	0.0540	10.9	20
Zinc	17.8	0.400	"	18.0	0.928	20
Selenium	0.226	0.260	"	0.231	2.09	20

QR-04

Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BID1165 - EPA 3050B

Matrix Spike (BID1165-MS1)	Source: 2504334-01			Prepared: 04/22/25 Analyzed: 05/30/25								
Arsenic	16.5	0.200	mg/kg dry	43.9	1.63	34.0	75-125					QM-05
Barium	228	0.400	"	43.9	195	74.3	75-125					QM-05
Cadmium	2.36	0.200	"	2.20	0.199	98.3	75-125					
Copper	19.7	0.400	"	43.9	12.0	17.6	75-125					QM-05
Lead	29.9	0.200	"	22.0	9.20	94.4	75-125					
Nickel	20.4	0.400	"	43.9	5.22	34.6	75-125					QM-05
Silver	2.11	0.0200	"	2.20	0.0540	93.6	75-125					
Zinc	33.7	0.400	"	43.9	18.0	35.7	75-125					QM-05
Selenium	4.75	0.260	"	4.39	0.231	103	75-125					

Matrix Spike Dup (BID1165-MSD1)	Source: 2504334-01			Prepared: 04/22/25 Analyzed: 05/30/25								
Arsenic	15.6	0.200	mg/kg dry	42.9	1.63	32.5	75-125	6.09	25			QM-05
Barium	235	0.400	"	42.9	195	92.8	75-125	3.09	25			
Cadmium	2.29	0.200	"	2.14	0.199	97.4	75-125	3.01	25			
Copper	18.5	0.400	"	42.9	12.0	15.2	75-125	6.46	25			QM-05
Lead	29.2	0.200	"	21.4	9.20	93.2	75-125	2.59	25			
Nickel	19.4	0.400	"	42.9	5.22	33.2	75-125	4.88	25			QM-05
Silver	2.00	0.0200	"	2.14	0.0540	90.9	75-125	5.24	25			
Zinc	32.3	0.400	"	42.9	18.0	33.4	75-125	4.09	25			QM-05
Selenium	4.31	0.260	"	4.29	0.231	95.1	75-125	9.78	25			

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Hexavalent Chromium by HACH M8023 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BID1172 - 3060A Mod

Blank (BID1172-BLK1)

Prepared & Analyzed: 04/22/25

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BID1172-BS1)

Prepared & Analyzed: 04/22/25

Chromium, Hexavalent 25.7 0.30 mg/kg wet 25.5 101 80-120

Duplicate (BID1172-DUP1)

Source: 2504299-01

Prepared & Analyzed: 04/22/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BID1172-MS1)

Source: 2504299-01

Prepared & Analyzed: 04/22/25

Chromium, Hexavalent 30.7 0.30 mg/kg dry 31.4 ND 97.6 75-125

Matrix Spike Dup (BID1172-MSD1)

Source: 2504299-01

Prepared & Analyzed: 04/22/25

Chromium, Hexavalent 33.3 0.30 mg/kg dry 33.0 ND 101 75-125 8.15 20

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BIE0155 - General Preparation

Blank (BIE0155-BLK1)

Prepared: 05/02/25 Analyzed: 05/22/25

Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BIE0155-BS1)

Prepared: 05/02/25 Analyzed: 05/21/25

Calcium	5.96	0.0500	mg/L wet	5.00	119	70-130				
Magnesium	5.13	0.0500	"	5.00	103	70-130				
Sodium	5.36	0.0500	"	5.00	107	70-130				

Summit Scientific

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Montrose Environmental
 471 Denver Ave
 Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
 Project Manager: Kyle Johnson

Reported:
 06/02/25 10:37

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BID1155 - General Preparation

Duplicate (BID1155-DUP1)

Source: 2504334-01

Prepared & Analyzed: 04/22/25

% Solids	94.3		%		94.1			0.208	20	
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Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-1017_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BIE0157 - General Preparation

Blank (BIE0157-BLK1)

Prepared: 05/02/25 Analyzed: 05/07/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BIE0157-BS1)

Prepared: 05/02/25 Analyzed: 05/07/25

Specific Conductance (EC) 0.151 0.0100 mmhos/cm 0.150 101 95-105

Duplicate (BIE0157-DUP1)

Source: 2504325-01

Prepared: 05/02/25 Analyzed: 05/07/25

Specific Conductance (EC) 0.649 0.0100 mmhos/cm 0.658 1.44 20

Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_1117

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BIE0156 - General Preparation

LCS (BIE0156-BS1)

Prepared: 05/02/25 Analyzed: 05/07/25

pH	9.11	pH Units	9.18	99.2	95-105
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Duplicate (BIE0156-DUP1)

Source: 2504325-01

Prepared: 05/02/25 Analyzed: 05/07/25

pH	8.17	pH Units	8.32	1.82	20
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Summit Scientific

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Montrose Environmental
471 Denver Ave
Loveland CO, 80537

Project: Chevron - UPRC 23-10I7_11I7

Project Number: 3301-102
Project Manager: Kyle Johnson

Reported:
06/02/25 10:37

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values. Only applies to source/DUP and MS/MSD pairs.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference