



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

05 May 2023

Michael Hannigan
Kinder Morgan
17801 Hwy 491
Cortez, CO 81321
RE: YB Cluster Background Soil

Enclosed are the results of analyses for samples received by the laboratory on 04/19/23 11:15. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is written in a cursive style.

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-23-17

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-23-16



Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Background Soil
Project Name / Number: YB Cluster Background Soil
Project Manager: Michael Hannigan

Reported:
05/05/23 11:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
YB-BG-1	2304238-01	Solid	04/17/23 15:05	04/19/23 11:15	
YB-BG-2	2304238-02	Solid	04/17/23 15:10	04/19/23 11:15	

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Jeremy D Allen, Laboratory Director

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jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

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Project: Background Soil
Project Name / Number: YB Cluster Background Soil
Project Manager: Michael Hannigan

Reported:
05/05/23 11:25

YB-BG-1

2304238-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/02/23 13:41	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	83.1	0.100	0.058	mg/L	1	05/03/23 15:49	EPA200.7		AES
Conductivity	334			umho/cm/@25 C	1	05/02/23 10:00	ASA#9 10-3.3		KRW
Magnesium	4.69	0.100	0.065	mg/L	1	05/03/23 15:49	EPA200.7		AES
pH	7.77			pH Units	1	05/02/23 10:00	ASA#9 10-3.2		KRW
SAR	0.04			No Unit	1	05/03/23 15:49	Calculation		AES
Sodium	1.39	1.00	0.079	mg/L	1	05/03/23 15:49	EPA200.7		AES

Total Metals by ICPMS

Arsenic	3.54	1.00	0.158	mg/kg dry	1000	05/02/23 13:24	6020A		AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	05/02/23 19:57	EPA200.7		AES
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Project: Background Soil
Project Name / Number: YB Cluster Background Soil
Project Manager: Michael Hannigan

Reported:
05/05/23 11:25

YB-BG-2**2304238-02 (Soil)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/02/23 13:41	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	108	0.100	0.058	mg/L	1	05/01/23 16:34	EPA200.7		AES
Conductivity	422			umho/cm/@25 C	1	05/01/23 09:41	ASA#9 10-3.3		KRW
Magnesium	6.54	0.100	0.065	mg/L	1	05/01/23 16:34	EPA200.7		AES
pH	7.45			pH Units	1	05/01/23 09:42	ASA#9 10-3.2		KRW
SAR	0.05			No Unit	1	05/01/23 16:34	Calculation		AES
Sodium	2.03	1.00	0.079	mg/L	1	05/01/23 16:34	EPA200.7		AES

Total Metals by ICPMS

Arsenic	4.54	1.00	0.158	mg/kg dry	1000	05/02/23 13:26	6020A		AES
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Hot Water Extractable

Boron	0.422	0.300	0.142	mg/L	1	05/02/23 20:02	EPA200.7		AES
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Project: Background Soil
Project Name / Number: YB Cluster Background Soil
Project Manager: Michael Hannigan

Reported:
05/05/23 11:25

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231040 - General Prep - Wet Chem

Blank (B231040-BLK1)

Prepared: 04/26/23 Analyzed: 05/02/23

Hexavalent Chromium	ND	0.250	mg/kg dry							
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LCS (B231040-BS1)

Prepared: 04/26/23 Analyzed: 05/02/23

Hexavalent Chromium	2.22	0.250	mg/kg dry	2.50		88.8	85-115			
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Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231093 - Paste Extract

Blank (B231093-BLK1)

Prepared: 05/01/23 Analyzed: 05/03/23

Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							

Batch B231095 - Paste Extract

Blank (B231095-BLK1)

Prepared & Analyzed: 05/01/23

Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							

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Project: Background Soil
Project Name / Number: YB Cluster Background Soil
Project Manager: Michael Hannigan

Reported:
05/05/23 11:25

Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231082 - EPA 3050M

Blank (B231082-BLK1)

Prepared: 04/28/23 Analyzed: 05/02/23

Arsenic ND 0.100 mg/kg dry

LCS (B231082-BS1)

Prepared: 04/28/23 Analyzed: 05/02/23

Arsenic 4.72 0.100 mg/kg dry 5.00 94.4 80-120

LCS Dup (B231082-BSD1)

Prepared: 04/28/23 Analyzed: 05/02/23

Arsenic 5.13 0.100 mg/kg dry 5.00 103 80-120 8.36 20

Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231097 - General Prep-SOILS

Blank (B231097-BLK1)

Prepared: 05/01/23 Analyzed: 05/02/23

Boron ND 1.20 mg/L

Batch B231099 - General Prep-SOILS

Blank (B231099-BLK1)

Prepared: 05/01/23 Analyzed: 05/02/23

Boron ND 0.300 mg/L

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Reported:
05/05/23 11:25

Notes and Definitions

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
*Results reported on as received basis unless designated as dry.
RPD Relative Percent Difference
LCS Laboratory Control Sample (Blank Spike)
RL Report Limit
MDL Method Detection Limit

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GAL
Analytical
Laboratories

(970) 247-4220
Fax: (970) 247-4227

service@greenanalytical.com or dzufell@greenanalytical.com
75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006
COC - Revision 5.0

Company or Client: Kinder Morgan CO2 Company, L.P.
Address: 17801 U.S. Highway 491
City: Cortez **State:** CO **Zip:** 81321
Phone #: (970) 882-5532
Contact Person: Michael Hannigan
Email Report to: michael_hannigan@kindermorgan.com
Project Name(optional): YB CUSTER BACKGROUND SOIL

P.O. #:
Company:
Attn:
Address:
City:
State: **Zip:**
Phone #:
Email:

Bill to (if different):

Sampler Name (Print): Michael Hannigan

For Lab Use

Sample Name or Location

2304-238

01 YB-B6-1
02 YB-B6-2

Collected

Date

4/17/23 15:05

Matrix (check one)
☐ GROUNDWATER
☐ SURFACEWATER
☐ WASTEWATER
☐ PRODUCEDWATER
☒ SOIL
☐ DRINKING WATER
☐ OTHER :

of containers
☐ No preservation (general)
☐ HNO₃
☐ HCl
☐ H₂SO₄
☐ Other:
☐ Other:

x x PH, EC, SAR, As, Zn, Pb, Cr-VI, H₂O₂

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 4-19-23
Time: 1:15

Received By:

Date: 4-19-23
Time: 1:15

ADDITIONAL REMARKS:

Report to State? (Circle)

Yes

No

SUB. TAT

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Temperature at receipt: 48°C

CHECKED BY

once laser #2

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

SAMPLE CONDITION RECEIPT FORM

Client Name: Kinder Morgan

Work Order # 2304-237

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No

Seals Intact: ☐ Yes ☐ No

Thermometer Used: 2 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 4.8°C Correction Factor: 0°C Final Temp: 4.8°C

* Temp should be above freezing to 5°C

Date/Initials of person
examining contents: VJW 4/19/23

Labeled by Initials:
(if different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Matrix:	WT <input checked="" type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____