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01 July 2025

Michael Hannigan  
Kinder Morgan  
17801 Hwy 491  
Cortez, CO 81321  
RE: YB-6 Facility Closure

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 13:51. This data replaces the previous report (See case narrative). 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 that reads "Jeremy D. Allen".

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: TX-C25-00079

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: TX-C25-00101

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
YB-6-NE-01	2506222-01	Solid	06/17/25 11:30	06/17/25 13:51	
YB-6-NW-01	2506222-02	Solid	06/17/25 11:35	06/17/25 13:51	
YB-6-SW-01	2506222-03	Solid	06/17/25 11:40	06/17/25 13:51	
YB-6-SE-01	2506222-04	Solid	06/17/25 11:50	06/17/25 13:51	
YB-6-WH-01	2506222-05	Solid	06/17/25 11:55	06/17/25 13:51	

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Jeremy D Allen, Laboratory Director

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**Reported:**  
07/01/25 14:41

pH was reanalyzed, per client request, for sample -05. This report has been reissued and replaces the previously issued report dated 2506222\_1 GAL 06 25 25 1108.

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Jeremy D Allen, Laboratory Director

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Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### YB-6-NE-01

#### 2506222-01 (Soil)

Sampled Date: 06/17/25 11:30

Sampled By: Mike Hannigan / Jenna Emerick /

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/25/25 09:45	3060A/3500-Cr B		HIC
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#### Saturated Paste Extraction

Calcium	44.0	0.100	0.072	mg/L	1	06/19/25 19:47	EPA 200.7		AWG
Conductivity	850			umho/cm@25 C	1	06/20/25 08:24	ASA#9 10-3.3		AWG
Magnesium	12.3	0.100	0.079	mg/L	1	06/19/25 19:47	EPA 200.7		AWG
pH	8.18			pH Units	1	06/20/25 08:21	ASA#9 10-3.2		AWG
SAR	3.85			No Unit	1	06/19/25 19:47	USDA-60		AWG
Sodium	112	1.00	0.756	mg/L	1	06/19/25 19:47	EPA 200.7		AWG

#### Total Metals by ICP

Barium*	108	5.00	0.959	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Cadmium*	<5.00	5.00	1.14	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Copper*	<10.0	10.0	6.49	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Lead*	<10.0	10.0	6.23	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Nickel*	8.29	5.00	1.63	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Selenium*	<20.0	20.0	13.8	mg/kg dry	100	06/20/25 19:56	6010B		AWG
Silver*	<1.00	1.00	0.793	mg/kg dry	100	06/19/25 18:20	6010B		AWG
Zinc*	27.8	10.0	7.20	mg/kg dry	100	06/19/25 18:20	6010B		AWG

#### Total Metals by ICPMS

Arsenic	1.93	1.00	0.158	mg/kg dry	1000	06/19/25 12:03	6020A		AES
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#### Hot Water Extractable

Boron	<1.20	1.20	0.214	mg/L	4	06/20/25 21:32	EPA 200.7		AWG
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### Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	06/18/25 21:39	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	06/18/25 21:39	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	06/18/25 21:39	8015B		MS

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Jeremy D Allen, Laboratory Director

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Project Name / Number: YB-6 Facility Closure  
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Reported:  
07/01/25 14:41

**YB-6-NE-01**

**2506222-01 (Soil)**

**Sampled Date: 06/17/25 11:30**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

Surrogate: 1-Chlorooctadecane			94.9 %	40.6-153		06/18/25 21:39	8015B		MS
Surrogate: 1-Chlorooctane			97.6 %	44.4-145		06/18/25 21:39	8015B		MS

**VOLATILES BY GC/MS**

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00285	mg/kg	50	06/20/25 17:08	8260B		SK
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00190	mg/kg	50	06/20/25 17:08	8260B		SK
Benzene*	<0.0250	0.0250	0.00262	mg/kg	50	06/20/25 17:08	8260B		SK
Ethylbenzene*	<0.0250	0.0250	0.00200	mg/kg	50	06/20/25 17:08	8260B		SK
m+p - Xylene*	<0.0500	0.0500	0.00360	mg/kg	50	06/20/25 17:08	8260B		SK
Naphthalene*	<0.0250	0.0250	0.00195	mg/kg	50	06/20/25 17:08	8260B		SK
o-Xylene*	<0.0250	0.0250	0.00400	mg/kg	50	06/20/25 17:08	8260B		SK
Toluene*	<0.0250	0.0250	0.00480	mg/kg	50	06/20/25 17:08	8260B		SK
Total Xylenes*	<0.0500	0.0500	0.00760	mg/kg	50	06/20/25 17:08	8260B		SK

Surrogate: 4-Bromofluorobenzene			102 %	82.5-117		06/20/25 17:08	8260B		SK
Surrogate: Dibromofluoromethane			111 %	84.6-114		06/20/25 17:08	8260B		SK
Surrogate: Toluene-d8			98.5 %	90.4-109		06/20/25 17:08	8260B		SK

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK
2-Methylnaphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK
Acenaphthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
Anthracene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK
Benzo[a]anthracene*	<0.040	0.040	0.010	mg/kg	40	06/20/25 21:42	8270C		SK
Benzo[a]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
Benzo[b]fluoranthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
Benzo[k]fluoranthene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK
Chrysene	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK
Dibenz[a,h]anthracene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
Fluoranthene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 21:42	8270C		SK
Fluorene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 21:42	8270C		SK
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
Naphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 21:42	8270C		SK

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Jeremy D Allen, Laboratory Director

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Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-NE-01**

**2506222-01 (Soil)**

**Sampled Date: 06/17/25 11:30**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Pyrene*</b>	<0.040	0.040	0.001	mg/kg	40	06/20/25 21:42	8270C		SK
<i>Surrogate: 2-Fluorobiphenyl</i>			60.5 %	7.39-192		06/20/25 21:42	8270C		SK
<i>Surrogate: Nitrobenzene-d5</i>			66.5 %	5.17-184		06/20/25 21:42	8270C		SK
<i>Surrogate: Terphenyl-d14</i>			62.2 %	27.5-139		06/20/25 21:42	8270C		SK

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17801 Hwy 491  
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Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-NW-01**

**2506222-02 (Soil)**

**Sampled Date: 06/17/25 11:35**

**Sampled By: Mike Hannigan / Jenna Emerick /**

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/25/25 09:45	3060A/3500-Cr B		HIC
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**Saturated Paste Extraction**

Calcium	95.3	0.100	0.072	mg/L	1	06/19/25 19:51	EPA 200.7		AWG
Conductivity	1630			umho/cm@25 C	1	06/20/25 08:24	ASA#9 10-3.3		AWG
Magnesium	26.2	0.100	0.079	mg/L	1	06/19/25 19:51	EPA 200.7		AWG
pH	8.06			pH Units	1	06/20/25 08:21	ASA#9 10-3.2		AWG
SAR	4.45			No Unit	1	06/19/25 19:51	USDA-60		AWG
Sodium	190	1.00	0.756	mg/L	1	06/19/25 19:51	EPA 200.7		AWG

**Total Metals by ICP**

Barium*	112	5.00	0.959	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Cadmium*	<5.00	5.00	1.14	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Copper*	<10.0	10.0	6.49	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Lead*	<10.0	10.0	6.23	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Nickel*	7.89	5.00	1.63	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Selenium*	<20.0	20.0	13.8	mg/kg dry	100	06/20/25 20:00	6010B		AWG
Silver*	<1.00	1.00	0.793	mg/kg dry	100	06/19/25 18:24	6010B		AWG
Zinc*	25.5	10.0	7.20	mg/kg dry	100	06/19/25 18:24	6010B		AWG

**Total Metals by ICPMS**

Arsenic	2.01	1.00	0.158	mg/kg dry	1000	06/19/25 12:04	6020A		AES
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**Hot Water Extractable**

Boron	<1.20	1.20	0.214	mg/L	4	06/20/25 21:33	EPA 200.7		AWG
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	06/18/25 21:55	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	06/18/25 21:55	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	06/18/25 21:55	8015B		MS

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Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-NW-01**

**2506222-02 (Soil)**

**Sampled Date: 06/17/25 11:35**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

Surrogate: 1-Chlorooctadecane			96.5 %	40.6-153		06/18/25 21:55	8015B		MS
Surrogate: 1-Chlorooctane			98.0 %	44.4-145		06/18/25 21:55	8015B		MS

**VOLATILES BY GC/MS**

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00285	mg/kg	50	06/20/25 17:32	8260B		SK
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00190	mg/kg	50	06/20/25 17:32	8260B		SK
Benzene*	<0.0250	0.0250	0.00262	mg/kg	50	06/20/25 17:32	8260B		SK
Ethylbenzene*	<0.0250	0.0250	0.00200	mg/kg	50	06/20/25 17:32	8260B		SK
m+p - Xylene*	<0.0500	0.0500	0.00360	mg/kg	50	06/20/25 17:32	8260B		SK
Naphthalene*	<0.0250	0.0250	0.00195	mg/kg	50	06/20/25 17:32	8260B		SK
o-Xylene*	<0.0250	0.0250	0.00400	mg/kg	50	06/20/25 17:32	8260B		SK
Toluene*	<0.0250	0.0250	0.00480	mg/kg	50	06/20/25 17:32	8260B		SK
Total Xylenes*	<0.0500	0.0500	0.00760	mg/kg	50	06/20/25 17:32	8260B		SK

Surrogate: 4-Bromofluorobenzene			101 %	82.5-117		06/20/25 17:32	8260B		SK
Surrogate: Dibromofluoromethane			110 %	84.6-114		06/20/25 17:32	8260B		SK
Surrogate: Toluene-d8			99.2 %	90.4-109		06/20/25 17:32	8260B		SK

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK
2-Methylnaphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK
Acenaphthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
Anthracene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK
Benzo[a]anthracene*	<0.040	0.040	0.010	mg/kg	40	06/20/25 22:12	8270C		SK
Benzo[a]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
Benzo[b]fluoranthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
Benzo[k]fluoranthene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK
Chrysene	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK
Dibenz[a,h]anthracene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
Fluoranthene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 22:12	8270C		SK
Fluorene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 22:12	8270C		SK
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
Naphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:12	8270C		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-NW-01**

**2506222-02 (Soil)**

**Sampled Date: 06/17/25 11:35**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Pyrene*</b>	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:12	8270C		SK
<i>Surrogate: 2-Fluorobiphenyl</i>			61.0 %	7.39-192		06/20/25 22:12	8270C		SK
<i>Surrogate: Nitrobenzene-d5</i>			64.2 %	5.17-184		06/20/25 22:12	8270C		SK
<i>Surrogate: Terphenyl-d14</i>			65.4 %	27.5-139		06/20/25 22:12	8270C		SK

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A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### YB-6-SW-01

2506222-03 (Soil)

Sampled Date: 06/17/25 11:40

Sampled By: Mike Hannigan / Jenna Emerick /

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/25/25 09:45	3060A/3500-Cr B		HIC
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#### Saturated Paste Extraction

Calcium	50.4	0.100	0.072	mg/L	1	06/19/25 19:55	EPA 200.7		AWG
Conductivity	947			umho/cm@25 C	1	06/20/25 08:24	ASA#9 10-3.3		AWG
Magnesium	15.0	0.100	0.079	mg/L	1	06/19/25 19:55	EPA 200.7		AWG
pH	8.10			pH Units	1	06/20/25 08:21	ASA#9 10-3.2		AWG
SAR	3.72			No Unit	1	06/19/25 19:55	USDA-60		AWG
Sodium	117	1.00	0.756	mg/L	1	06/19/25 19:55	EPA 200.7		AWG

#### Total Metals by ICP

Barium*	159	5.00	0.959	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Cadmium*	<5.00	5.00	1.14	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Copper*	<10.0	10.0	6.49	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Lead*	<10.0	10.0	6.23	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Nickel*	8.28	5.00	1.63	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Selenium*	<20.0	20.0	13.8	mg/kg dry	100	06/20/25 20:04	6010B		AWG
Silver*	<1.00	1.00	0.793	mg/kg dry	100	06/19/25 18:28	6010B		AWG
Zinc*	27.7	10.0	7.20	mg/kg dry	100	06/19/25 18:28	6010B		AWG

#### Total Metals by ICPMS

Arsenic	1.98	1.00	0.158	mg/kg dry	1000	06/19/25 12:06	6020A		AES
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#### Hot Water Extractable

Boron	<1.20	1.20	0.214	mg/L	4	06/20/25 21:35	EPA 200.7		AWG
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### Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:11	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:11	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	06/18/25 22:11	8015B		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

Reported:  
07/01/25 14:41

**YB-6-SW-01**

**2506222-03 (Soil)**

**Sampled Date: 06/17/25 11:40**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

Surrogate: 1-Chlorooctadecane			100 %	40.6-153		06/18/25 22:11	8015B		MS
Surrogate: 1-Chlorooctane			103 %	44.4-145		06/18/25 22:11	8015B		MS

**VOLATILES BY GC/MS**

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00285	mg/kg	50	06/20/25 17:56	8260B		SK
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00190	mg/kg	50	06/20/25 17:56	8260B		SK
Benzene*	<0.0250	0.0250	0.00262	mg/kg	50	06/20/25 17:56	8260B		SK
Ethylbenzene*	<0.0250	0.0250	0.00200	mg/kg	50	06/20/25 17:56	8260B		SK
m+p - Xylene*	<0.0500	0.0500	0.00360	mg/kg	50	06/20/25 17:56	8260B		SK
Naphthalene*	<0.0250	0.0250	0.00195	mg/kg	50	06/20/25 17:56	8260B		SK
o-Xylene*	<0.0250	0.0250	0.00400	mg/kg	50	06/20/25 17:56	8260B		SK
Toluene*	<0.0250	0.0250	0.00480	mg/kg	50	06/20/25 17:56	8260B		SK
Total Xylenes*	<0.0500	0.0500	0.00760	mg/kg	50	06/20/25 17:56	8260B		SK

Surrogate: 4-Bromofluorobenzene			104 %	82.5-117		06/20/25 17:56	8260B		SK
Surrogate: Dibromofluoromethane			106 %	84.6-114		06/20/25 17:56	8260B		SK
Surrogate: Toluene-d8			98.5 %	90.4-109		06/20/25 17:56	8260B		SK

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK
2-Methylnaphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK
Acenaphthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
Anthracene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK
Benzo[a]anthracene*	<0.040	0.040	0.010	mg/kg	40	06/20/25 22:42	8270C		SK
Benzo[a]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
Benzo[b]fluoranthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
Benzo[k]fluoranthene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK
Chrysene	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK
Dibenz[a,h]anthracene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
Fluoranthene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 22:42	8270C		SK
Fluorene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 22:42	8270C		SK
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
Naphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 22:42	8270C		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-SW-01**

**2506222-03 (Soil)**

**Sampled Date: 06/17/25 11:40**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Pyrene*</b>	<0.040	0.040	0.001	mg/kg	40	06/20/25 22:42	8270C		SK
<i>Surrogate: 2-Fluorobiphenyl</i>			64.8 %	7.39-192		06/20/25 22:42	8270C		SK
<i>Surrogate: Nitrobenzene-d5</i>			74.2 %	5.17-184		06/20/25 22:42	8270C		SK
<i>Surrogate: Terphenyl-d14</i>			64.7 %	27.5-139		06/20/25 22:42	8270C		SK

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### YB-6-SE-01

2506222-04 (Soil)

Sampled Date: 06/17/25 11:50

Sampled By: Mike Hannigan / Jenna Emerick /

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/25/25 09:45	3060A/3500-Cr B		HIC
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#### Saturated Paste Extraction

Calcium	60.8	0.100	0.072	mg/L	1	06/19/25 19:57	EPA 200.7		AWG
Conductivity	1540			umho/cm@25 C	1	06/20/25 08:24	ASA#9 10-3.3		AWG
Magnesium	18.1	0.100	0.079	mg/L	1	06/19/25 19:57	EPA 200.7		AWG
pH	8.29			pH Units	1	06/20/25 08:21	ASA#9 10-3.2		AWG
SAR	6.28			No Unit	1	06/19/25 19:57	USDA-60		AWG
Sodium	217	1.00	0.756	mg/L	1	06/19/25 19:57	EPA 200.7		AWG

#### Total Metals by ICP

Barium*	135	5.00	0.959	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Cadmium*	<5.00	5.00	1.14	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Copper*	<10.0	10.0	6.49	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Lead*	<10.0	10.0	6.23	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Nickel*	8.78	5.00	1.63	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Selenium*	<20.0	20.0	13.8	mg/kg dry	100	06/20/25 20:08	6010B		AWG
Silver*	<1.00	1.00	0.793	mg/kg dry	100	06/19/25 18:32	6010B		AWG
Zinc*	30.1	10.0	7.20	mg/kg dry	100	06/19/25 18:32	6010B		AWG

#### Total Metals by ICPMS

Arsenic	2.26	1.00	0.158	mg/kg dry	1000	06/19/25 12:07	6020A		AES
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#### Hot Water Extractable

Boron	<1.20	1.20	0.214	mg/L	4	06/20/25 16:49	EPA 200.7		AWG
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#### Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:27	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:27	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	06/18/25 22:27	8015B		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

Reported:  
07/01/25 14:41

**YB-6-SE-01**

**2506222-04 (Soil)**

**Sampled Date: 06/17/25 11:50**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

Surrogate: 1-Chlorooctadecane			97.2 %	40.6-153		06/18/25 22:27	8015B		MS
Surrogate: 1-Chlorooctane			101 %	44.4-145		06/18/25 22:27	8015B		MS

**VOLATILES BY GC/MS**

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00285	mg/kg	50	06/20/25 18:20	8260B		SK
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00190	mg/kg	50	06/20/25 18:20	8260B		SK
Benzene*	<0.0250	0.0250	0.00262	mg/kg	50	06/20/25 18:20	8260B		SK
Ethylbenzene*	<0.0250	0.0250	0.00200	mg/kg	50	06/20/25 18:20	8260B		SK
m+p - Xylene*	<0.0500	0.0500	0.00360	mg/kg	50	06/20/25 18:20	8260B		SK
Naphthalene*	<0.0250	0.0250	0.00195	mg/kg	50	06/20/25 18:20	8260B		SK
o-Xylene*	<0.0250	0.0250	0.00400	mg/kg	50	06/20/25 18:20	8260B		SK
Toluene*	<0.0250	0.0250	0.00480	mg/kg	50	06/20/25 18:20	8260B		SK
Total Xylenes*	<0.0500	0.0500	0.00760	mg/kg	50	06/20/25 18:20	8260B		SK

Surrogate: 4-Bromofluorobenzene			102 %	82.5-117		06/20/25 18:20	8260B		SK
Surrogate: Dibromofluoromethane			110 %	84.6-114		06/20/25 18:20	8260B		SK
Surrogate: Toluene-d8			101 %	90.4-109		06/20/25 18:20	8260B		SK

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK
2-Methylnaphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK
Acenaphthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
Anthracene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK
Benzo[a]anthracene*	<0.040	0.040	0.010	mg/kg	40	06/20/25 23:12	8270C		SK
Benzo[a]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
Benzo[b]fluoranthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
Benzo[k]fluoranthene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK
Chrysene	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK
Dibenz[a,h]anthracene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
Fluoranthene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 23:12	8270C		SK
Fluorene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 23:12	8270C		SK
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
Naphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:12	8270C		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-SE-01**

**2506222-04 (Soil)**

**Sampled Date: 06/17/25 11:50**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Pyrene*</b>	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:12	8270C		SK
<i>Surrogate: 2-Fluorobiphenyl</i>			61.8 %	7.39-192		06/20/25 23:12	8270C		SK
<i>Surrogate: Nitrobenzene-d5</i>			64.9 %	5.17-184		06/20/25 23:12	8270C		SK
<i>Surrogate: Terphenyl-d14</i>			63.6 %	27.5-139		06/20/25 23:12	8270C		SK

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### YB-6-WH-01

2506222-05 (Soil)

Sampled Date: 06/17/25 11:55

Sampled By: Mike Hannigan / Jenna Emerick /

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

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/25/25 09:45	3060A/3500-Cr B		HIC
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#### Saturated Paste Extraction

Calcium	32.0	0.100	0.072	mg/L	1	06/19/25 20:00	EPA 200.7		AWG
Conductivity	830			umho/cm@25 C	1	06/20/25 08:24	ASA#9 10-3.3		AWG
Magnesium	6.48	0.100	0.079	mg/L	1	06/19/25 20:01	EPA 200.7		AWG
pH	7.97			pH Units	1	06/27/25 09:00	ASA#9 10-3.2		JDA
SAR	5.44			No Unit	1	06/19/25 20:00	USDA-60		AWG
Sodium	129	1.00	0.756	mg/L	1	06/19/25 20:00	EPA 200.7		AWG

#### Total Metals by ICP

Barium*	127	5.00	0.959	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Cadmium*	<5.00	5.00	1.14	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Copper*	<10.0	10.0	6.49	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Lead*	<10.0	10.0	6.23	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Nickel*	7.95	5.00	1.63	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Selenium*	<20.0	20.0	13.8	mg/kg dry	100	06/20/25 20:12	6010B		AWG
Silver*	<1.00	1.00	0.793	mg/kg dry	100	06/19/25 18:36	6010B		AWG
Zinc*	37.1	10.0	7.20	mg/kg dry	100	06/19/25 18:36	6010B		AWG

#### Total Metals by ICPMS

Arsenic	1.91	1.00	0.158	mg/kg dry	1000	06/19/25 12:09	6020A		AES
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#### Hot Water Extractable

Boron	<1.20	1.20	0.214	mg/L	4	06/20/25 16:51	EPA 200.7		AWG
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### Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:43	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	06/18/25 22:43	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	06/18/25 22:43	8015B		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

Reported:  
07/01/25 14:41

**YB-6-WH-01**

**2506222-05 (Soil)**

**Sampled Date: 06/17/25 11:55**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Petroleum Hydrocarbons by GC FID**

Surrogate: 1-Chlorooctadecane			108 %	40.6-153		06/18/25 22:43	8015B		MS
Surrogate: 1-Chlorooctane			113 %	44.4-145		06/18/25 22:43	8015B		MS

**VOLATILES BY GC/MS**

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00285	mg/kg	50	06/20/25 18:44	8260B		SK
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00190	mg/kg	50	06/20/25 18:44	8260B		SK
Benzene*	<0.0250	0.0250	0.00262	mg/kg	50	06/20/25 18:44	8260B		SK
Ethylbenzene*	<0.0250	0.0250	0.00200	mg/kg	50	06/20/25 18:44	8260B		SK
m+p - Xylene*	<0.0500	0.0500	0.00360	mg/kg	50	06/20/25 18:44	8260B		SK
Naphthalene*	<0.0250	0.0250	0.00195	mg/kg	50	06/20/25 18:44	8260B		SK
o-Xylene*	<0.0250	0.0250	0.00400	mg/kg	50	06/20/25 18:44	8260B		SK
Toluene*	<0.0250	0.0250	0.00480	mg/kg	50	06/20/25 18:44	8260B		SK
Total Xylenes*	<0.0500	0.0500	0.00760	mg/kg	50	06/20/25 18:44	8260B		SK

Surrogate: 4-Bromofluorobenzene			99.4 %	82.5-117		06/20/25 18:44	8260B		SK
Surrogate: Dibromofluoromethane			110 %	84.6-114		06/20/25 18:44	8260B		SK
Surrogate: Toluene-d8			101 %	90.4-109		06/20/25 18:44	8260B		SK

**Polynuclear Aromatic Compounds by GC/MS**

1-Methylnaphthalene	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK
2-Methylnaphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK
Acenaphthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
Anthracene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK
Benzo[a]anthracene*	<0.040	0.040	0.010	mg/kg	40	06/20/25 23:42	8270C		SK
Benzo[a]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
Benzo[b]fluoranthene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
Benzo[k]fluoranthene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK
Chrysene	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK
Dibenz[a,h]anthracene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
Fluoranthene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 23:42	8270C		SK
Fluorene*	<0.040	0.040	0.0006	mg/kg	40	06/20/25 23:42	8270C		SK
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
Naphthalene*	<0.040	0.040	0.002	mg/kg	40	06/20/25 23:42	8270C		SK

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**YB-6-WH-01**

**2506222-05 (Soil)**

**Sampled Date: 06/17/25 11:55**

**Sampled By: Mike Hannigan / Jenna Emerick /**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Pyrene*</b>	<0.040	0.040	0.001	mg/kg	40	06/20/25 23:42	8270C		SK
<i>Surrogate: 2-Fluorobiphenyl</i>			55.7 %	7.39-192		06/20/25 23:42	8270C		SK
<i>Surrogate: Nitrobenzene-d5</i>			60.6 %	5.17-184		06/20/25 23:42	8270C		SK
<i>Surrogate: Terphenyl-d14</i>			60.4 %	27.5-139		06/20/25 23:42	8270C		SK

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A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B251766 - General Prep - Wet Chem</b>										
<b>Blank (B251766-BLK1)</b> Prepared: 06/20/25 Analyzed: 06/25/25										
Hexavalent Chromium	ND	0.250	mg/kg dry							
<b>LCS (B251766-BS1)</b> Prepared: 06/20/25 Analyzed: 06/25/25										
Hexavalent Chromium	2.34	0.250	mg/kg dry	2.50		93.7	85-115			

### Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B251714 - Paste Extract</b>										
<b>Blank (B251714-BLK1)</b> Prepared: 06/17/25 Analyzed: 06/19/25										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							
<b>Reference (B251714-SRM1)</b> Prepared: 06/17/25 Analyzed: 06/19/25										
SAR	15.6		No Unit	14.9		105	90-110			
<b>Batch B251715 - Paste Extract</b>										
<b>Reference (B251715-SRM1)</b> Prepared: 06/17/25 Analyzed: 06/20/25										
pH	7.70		pH Units	7.66		101	92-108			
<b>Batch B251716 - Paste Extract</b>										
<b>Reference (B251716-SRM1)</b> Prepared: 06/17/25 Analyzed: 06/20/25										
Conductivity	7460		umho/cm@2 5C	7390		101	90-110			
<b>Batch B251890 - Paste Extract</b>										
<b>Reference (B251890-SRM1)</b> Prepared & Analyzed: 06/27/25										
pH	7.28		pH Units	7.66		95.0	92-108			

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B251706 - EPA 3050

##### Blank (B251706-BLK1)

Prepared: 06/17/25 Analyzed: 06/19/25

Barium	ND	5.00	mg/kg dry							
Cadmium	ND	5.00	mg/kg dry							
Copper	ND	10.0	mg/kg dry							
Lead	ND	10.0	mg/kg dry							
Nickel	ND	5.00	mg/kg dry							
Selenium	ND	20.0	mg/kg dry							
Silver	ND	1.00	mg/kg dry							
Zinc	ND	10.0	mg/kg dry							

##### LCS (B251706-BS1)

Prepared: 06/17/25 Analyzed: 06/19/25

Barium	195	5.00	mg/kg dry	200		97.7	80-120			
Cadmium	183	5.00	mg/kg dry	200		91.6	80-120			
Copper	414	10.0	mg/kg dry	400		104	80-120			
Lead	184	10.0	mg/kg dry	200		92.2	80-120			
Nickel	189	5.00	mg/kg dry	200		94.6	80-120			
Selenium	781	20.0	mg/kg dry	800		97.6	80-120			
Silver	9.89	1.00	mg/kg dry	10.0		98.9	80-120			
Zinc	179	10.0	mg/kg dry	200		89.6	80-120			

##### LCS Dup (B251706-BSD1)

Prepared: 06/17/25 Analyzed: 06/19/25

Barium	198	5.00	mg/kg dry	200		98.9	80-120	1.24	20	
Cadmium	185	5.00	mg/kg dry	200		92.6	80-120	1.00	20	
Copper	421	10.0	mg/kg dry	400		105	80-120	1.53	20	
Lead	185	10.0	mg/kg dry	200		92.4	80-120	0.191	20	
Nickel	190	5.00	mg/kg dry	200		94.8	80-120	0.184	20	
Selenium	778	20.0	mg/kg dry	800		97.2	80-120	0.461	20	
Silver	9.84	1.00	mg/kg dry	10.0		98.4	80-120	0.443	20	
Zinc	179	10.0	mg/kg dry	200		89.5	80-120	0.0655	20	

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### 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 B251707 - EPA 3050M

##### Blank (B251707-BLK1)

Prepared: 06/17/25 Analyzed: 06/19/25

Arsenic	ND	0.100	mg/kg dry							
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##### LCS (B251707-BS1)

Prepared: 06/17/25 Analyzed: 06/19/25

Arsenic	5.06	0.100	mg/kg dry	5.00		101	80-120			
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##### LCS Dup (B251707-BSD1)

Prepared: 06/17/25 Analyzed: 06/19/25

Arsenic	5.09	0.100	mg/kg dry	5.00		102	80-120	0.596	20	
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### 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 B251717 - General Prep-SOILS

##### Blank (B251717-BLK1)

Prepared: 06/17/25 Analyzed: 06/20/25

Boron	ND	1.20	mg/L							
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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 5061830 - General Prep - Organics

##### Blank (5061830-BLK1)

Prepared & Analyzed: 06/18/25

Surrogate: 1-Chlorooctadecane	45.7		mg/kg	50.0		91.3	40.6-153			
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	44.4-145			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							

##### LCS (5061830-BS1)

Prepared & Analyzed: 06/18/25

Surrogate: 1-Chlorooctadecane	52.5		mg/kg	50.0		105	40.6-153			
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	44.4-145			
DRO >C10-C28	182	10.0	mg/kg	200		91.1	77.7-122			
GRO C6-C10	197	10.0	mg/kg	200		98.5	81.5-123			
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	80.9-121			

##### LCS Dup (5061830-BSD1)

Prepared & Analyzed: 06/18/25

Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	40.6-153			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	44.4-145			
DRO >C10-C28	184	10.0	mg/kg	200		91.9	77.7-122	0.830	15.6	
GRO C6-C10	193	10.0	mg/kg	200		96.6	81.5-123	1.94	13	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	80.9-121	0.598	18.5	

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 5062011 - Volatiles

##### Blank (5062011-BLK1)

Prepared & Analyzed: 06/20/25

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		mg/kg	2.50		96.1	82.5-117			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	2.40		mg/kg	2.50		96.0	84.6-114			
Ethylbenzene	ND	0.0250	mg/kg							
m+p - Xylene	ND	0.0500	mg/kg							
Naphthalene	ND	0.0250	mg/kg							
o-Xylene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	mg/kg							
<i>Surrogate: Toluene-d8</i>	2.37		mg/kg	2.50		94.6	90.4-109			
Total Xylenes	ND	0.0500	mg/kg							

##### LCS (5062011-BS1)

Prepared & Analyzed: 06/20/25

1,2,4-Trimethylbenzene	0.482	0.0250	mg/kg	0.500		96.5	62.4-140			
1,3,5-Trimethylbenzene	0.511	0.0250	mg/kg	0.500		102	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.33		mg/kg	2.50		93.3	82.5-117			
Benzene	0.487	0.0250	mg/kg	0.500		97.4	73-130			
<i>Surrogate: Dibromofluoromethane</i>	2.40		mg/kg	2.50		96.1	84.6-114			
Ethylbenzene	0.448	0.0250	mg/kg	0.500		89.5	75.4-127			
m+p - Xylene	1.03	0.0500	mg/kg	1.00		103	71.8-133			
Naphthalene	0.401	0.0250	mg/kg	0.500		80.2	28.7-158			
o-Xylene	0.488	0.0250	mg/kg	0.500		97.5	78.6-125			
Toluene	0.473	0.0250	mg/kg	0.500		94.5	79-122			
<i>Surrogate: Toluene-d8</i>	2.38		mg/kg	2.50		95.2	90.4-109			
Total Xylenes	1.52	0.0500	mg/kg	1.50		101	74.6-130			

##### LCS Dup (5062011-BS1)

Prepared & Analyzed: 06/20/25

1,2,4-Trimethylbenzene	0.483	0.0250	mg/kg	0.500		96.6	62.4-140	0.114	38.2	
1,3,5-Trimethylbenzene	0.497	0.0250	mg/kg	0.500		99.4	64.4-138	2.79	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	2.37		mg/kg	2.50		94.9	82.5-117			
Benzene	0.468	0.0250	mg/kg	0.500		93.5	73-130	4.08	17.1	
<i>Surrogate: Dibromofluoromethane</i>	2.48		mg/kg	2.50		99.0	84.6-114			
Ethylbenzene	0.472	0.0250	mg/kg	0.500		94.3	75.4-127	5.23	16.5	
m+p - Xylene	1.02	0.0500	mg/kg	1.00		102	71.8-133	0.382	19.1	
Naphthalene	0.477	0.0250	mg/kg	0.500		95.4	28.7-158	17.3	64	
o-Xylene	0.507	0.0250	mg/kg	0.500		101	78.6-125	3.81	13.2	
Toluene	0.503	0.0250	mg/kg	0.500		101	79-122	6.24	18.3	

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Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

**VOLATILES BY GC/MS - Quality Control  
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5062011 - Volatiles (Continued)**

**LCS Dup (5062011-BSD1) (Continued)**

Prepared & Analyzed: 06/20/25

<i>Surrogate: Toluene-d8</i>	2.46		mg/kg	2.50		98.3	90.4-109			
Total Xylenes	1.53	0.0500	mg/kg	1.50		102	74.6-130	0.985	16.5	

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A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

Reported:  
07/01/25 14:41

### Polynuclear Aromatic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 5061911 - SW846-3546

##### Blank (5061911-BLK1)

Prepared: 06/19/25 Analyzed: 06/20/25

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	1.53		mg/kg	2.00		76.4	7.39-192			
2-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthene	ND	0.040	mg/kg							
Anthracene	ND	0.040	mg/kg							
Benzo[a]anthracene	ND	0.040	mg/kg							
Benzo[a]pyrene	ND	0.040	mg/kg							
Benzo[b]flouranthene	ND	0.040	mg/kg							
Benzo[k]flouranthene	ND	0.040	mg/kg							
Chrysene	ND	0.040	mg/kg							
Dibenz[a,h]anthracene	ND	0.040	mg/kg							
Fluoranthene	ND	0.040	mg/kg							
Fluorene	ND	0.040	mg/kg							
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg							
Naphthalene	ND	0.040	mg/kg							
<i>Surrogate: Nitrobenzene-d5</i>	1.74		mg/kg	2.00		87.1	5.17-184			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	1.72		mg/kg	2.00		85.8	27.5-139			

##### LCS (5061911-BS1)

Prepared: 06/19/25 Analyzed: 06/20/25

1-Methylnaphthalene	0.324	0.040	mg/kg	0.400		80.9	47.6-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	1.51		mg/kg	2.00		75.4	7.39-192			
2-Methylnaphthalene	0.311	0.040	mg/kg	0.400		77.8	48.1-126			
Acenaphthene	0.336	0.040	mg/kg	0.400		84.0	49.4-119			
Acenaphthylene	0.336	0.040	mg/kg	0.400		84.1	50.2-124			
Anthracene	0.337	0.040	mg/kg	0.400		84.4	51.9-120			
Benzo[a]anthracene	0.327	0.040	mg/kg	0.400		81.8	49.9-123			
Benzo[a]pyrene	0.340	0.040	mg/kg	0.400		85.0	52.9-126			
Benzo[b]flouranthene	0.342	0.040	mg/kg	0.400		85.4	52.1-125			
Benzo[g,h,i]perylene	0.341	0.040	mg/kg	0.400		85.2	50.7-130			
Benzo[k]flouranthene	0.324	0.040	mg/kg	0.400		81.1	49.3-131			
Carbazole	0.348	0.040	mg/kg	0.400		87.1	54-123			
Chrysene	0.337	0.040	mg/kg	0.400		84.3	50.1-125			
Dibenz[a,h]anthracene	0.339	0.040	mg/kg	0.400		84.8	51.7-129			
Fluoranthene	0.346	0.040	mg/kg	0.400		86.6	54.9-126			
Fluorene	0.343	0.040	mg/kg	0.400		85.7	50.1-126			
Indeno[1,2,3-cd]pyrene	0.365	0.040	mg/kg	0.400		91.3	50-132			
Naphthalene	0.314	0.040	mg/kg	0.400		78.6	46.9-122			

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

Reported:  
07/01/25 14:41

**Polynuclear Aromatic Compounds by GC/MS - Quality Control  
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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**Batch 5061911 - SW846-3546 (Continued)**

**LCS (5061911-BS1) (Continued)**

Prepared: 06/19/25 Analyzed: 06/20/25

<i>Surrogate: Nitrobenzene-d5</i>	1.61		mg/kg	2.00		80.5	5.17-184			
Phenanthrene	0.343	0.040	mg/kg	0.400		85.7	53.6-120			
Pyrene	0.319	0.040	mg/kg	0.400		79.8	50.2-124			
<i>Surrogate: Terphenyl-d14</i>	1.50		mg/kg	2.00		75.1	27.5-139			

**LCS Dup (5061911-BS1)**

Prepared: 06/19/25 Analyzed: 06/20/25

1-Methylnaphthalene	0.337	0.040	mg/kg	0.400		84.3	47.6-126	4.05	6.22	
<i>Surrogate: 2-Fluorobiphenyl</i>	1.45		mg/kg	2.00		72.7	7.39-192			
2-Methylnaphthalene	0.326	0.040	mg/kg	0.400		81.6	48.1-126	4.75	6.23	
Acenaphthene	0.325	0.040	mg/kg	0.400		81.3	49.4-119	3.26	8.18	
Acenaphthylene	0.327	0.040	mg/kg	0.400		81.7	50.2-124	2.89	5	
Anthracene	0.337	0.040	mg/kg	0.400		84.2	51.9-120	0.157	3.68	
Benzo[a]anthracene	0.343	0.040	mg/kg	0.400		85.8	49.9-123	4.88	9.01	
Benzo[a]pyrene	0.356	0.040	mg/kg	0.400		88.9	52.9-126	4.54	4.92	
Benzo[b]fluoranthene	0.332	0.040	mg/kg	0.400		83.1	52.1-125	2.71	7.63	
Benzo[g,h,i]perylene	0.344	0.040	mg/kg	0.400		86.0	50.7-130	1.00	12.5	
Benzo[k]fluoranthene	0.316	0.040	mg/kg	0.400		78.9	49.3-131	2.67	10.6	
Carbazole	0.351	0.040	mg/kg	0.400		87.9	54-123	0.923	8.65	
Chrysene	0.339	0.040	mg/kg	0.400		84.7	50.1-125	0.465	21.8	
Dibenz[a,h]anthracene	0.346	0.040	mg/kg	0.400		86.6	51.7-129	2.01	11.6	
Fluoranthene	0.347	0.040	mg/kg	0.400		86.8	54.9-126	0.280	7.54	
Fluorene	0.342	0.040	mg/kg	0.400		85.5	50.1-126	0.231	5.49	
Indeno[1,2,3-cd]pyrene	0.375	0.040	mg/kg	0.400		93.9	50-132	2.80	22.3	
Naphthalene	0.311	0.040	mg/kg	0.400		77.8	46.9-122	1.06	4.56	
<i>Surrogate: Nitrobenzene-d5</i>	1.60		mg/kg	2.00		79.9	5.17-184			
Phenanthrene	0.340	0.040	mg/kg	0.400		85.0	53.6-120	0.876	5.21	
Pyrene	0.324	0.040	mg/kg	0.400		81.0	50.2-124	1.59	10.6	
<i>Surrogate: Terphenyl-d14</i>	1.53		mg/kg	2.00		76.5	27.5-139			

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### Notes and Definitions

M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
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

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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Kinder Morgan  
17801 Hwy 491  
Cortez CO, 81321

Project: ECMC Table 915-1  
Project Name / Number: YB-6 Facility Closure  
Project Manager: Michael Hannigan

**Reported:**  
07/01/25 14:41

### Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
2506222-05	Hexavalent Chromium [SOLID]	Hexavalent Chromium	M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

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75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

<b>Company or Client:</b> Kinder Morgan CO2 Company, LLC Address: 17801 US Hwy. 491 City: Cortez State: CO Zip: 81321 Phone #: 970-882-5532 Contact Person: Mike Hannigan Email Report to: michael_hannigan@kindermorgan.com Project Name(optional): <b>YB-6 FACILITY CLOSURE</b> Sampler Name (Print): Mike Hannigan / Jenna Emerick / Curtis Pattillo		<b>Bill to (if different):</b> P.O. #: _____ Rush? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N TAT Needed? <b>ASAP</b>		<b>ANALYSIS REQUEST</b>	
<b>Lab I.D.</b> 2506-222 Lab Use Only		<b>Sample Name or Location</b>		Matrix (check one) GROUNDWATER <input type="checkbox"/> SURFACE WATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> PRODUCED WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> SOIL <input type="checkbox"/> OTHER: _____	
		Collected Date: _____ Time: _____		# of containers	
01 YB-6-NE-01 02 YB-6-NW-01 03 YB-6-SW-01 04 YB-6-SE-01 05 YB-6-WH-01		6/17/25 11:30 11:35 11:40 11:55		3 3 3 3 3	
		No preservation Nitric Acid Hydrochloric Acid Sulfuric Acid Sodium Hydroxide OTHER: _____		ECMC TABLE 915-1 (As 200.8)	
<b>Relinquished By:</b> <i>[Signature]</i> Date: 6-17-25 Time: 2:50		<b>Received By:</b> <i>[Signature]</i> Date: 6/17/25 Time: 1:57		ADDITIONAL REMARKS: <b>ECMC SECURED REPORT</b>	
<b>Relinquished By:</b> _____ Date: _____ Time: _____		<b>Received By:</b> _____ Date: _____ Time: _____		Temperature at receipt: 15.0/15.2°C Checked by: <i>[Signature]</i> On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Therm. used: <i>[Signature]</i>	

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 of the applicable service. 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.

† GAL cannot accept verbal changes. Please email changes to receiving@greanalytical.com  
 \* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



Date/Initials of person examining contents: MUN 6-17-25

Labeled by initials: \_\_\_\_\_  
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Kinder Morgan co2

Work Order # 2506-222

Courier:  Fed Ex  UPS  USPS  Client  Kangaroo  Third Party  Other

Custody Seals on Box/Cooler Present:  Yes  No Seals Intact:  Yes  No GAL Cooler #: \_\_\_\_\_

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

Type of Ice:  Wet  Blue  None Cooler Temp: Observed Temp: 15.0°C Correction Factor: +0.2°C Final Temp: 15.2°C

\*Temp should be above freezing 6°C

Compliance:  Yes  No

Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
COC Signed when Relinquished and Received:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and Signature on COC: *Required for compliance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Correct Containers Used & Intact:	<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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Dissolved Testing Needed: Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10.
Sample Labels match COC: -Includes Date/Time/ID Matrix: WT (SL) OT	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
VOA's meet headspace requirement (<6mm bubbles)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Non-Conformance(s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	13.

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_