

Kinder Morgan CO₂ Company, LLC
YB Cluster T-501 PW - COGCC Spill/Release Point ID 441554
Soil for Reclamation Analytical Summary

Sample ID	Sample Collection Date	Sample Depth ¹	Electrical Conductivity (mmhos/cm) ²	Sodium Adsorption Ratio (no units)	pH (pH units)	Boron (mg/L) ³
YB-501-SS-1	4/17/2023	0.5	0.339	1.75	8.03	0.491
YB-BG-1 ⁴	4/17/2023	0.5	0.334	0.04	7.77	<1.20
YB-BG-2 ⁴	4/17/2023	0.5	0.422	0.05	7.45	0.422
COGCC⁵ Table 915-1 Cleanup Concentrations⁶			<4	<6	6 to 8.3	2

Notes:

1. Depth given in feet below ground surface.
 2. Millimhos per centimeter
 3. Milligrams per liter
 4. Background soil sample
 5. Colorado Oil & Gas Conservation Commission
 6. Cleanup Concentrations pertaining to Soil Suitability for Reclamation
- Values shown in **red** exceed COGCC Table 915-1 standards.

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Metals in Soil Analytical Summary

Sample ID	Sample Collection Date	Sample Depth ¹	Arsenic (mg/kg) ²	Barium (mg/kg)	Cadmium (mg/kg)	Chromium VI (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
YB-501-SS-1	4/17/2023	0.5	2.98	134	<5.00	<0.250	11.1	<10.0	5.60	<20.0	<1.00	29.2
YB-BG-1 ⁴	4/17/2023	0.5	3.54	NM ⁵	NM	<0.250	NM	NM	NM	NM	NM	NM
YB-BG-2 ⁴	4/17/2023	0.5	4.54	NM	NM	<0.250	NM	NM	NM	NM	NM	NM
COGCC⁶ Table 915-1 RSSL⁷ Concentration			0.68⁸	15,000	71	0.3	3,100	400	1,500	390	390	23,000

Notes:

1. Depth given in feet below ground surface.
 2. Milligrams per kilogram
 3. Not Measured
 4. Background soil sample
 5. Not Measured
 6. Colorado Oil & Gas Conservation Commission
 7. Residential Soil Screening Level
 8. The Director will consider site-specific background concentrations or reference levels in native soils
and will consider Residential Soil Screening Level Concentrations up to 1.25 times site specific background levels for metals in soil.
- Values shown in **red** exceed COGCC Table 910-1 standards.

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Organics in Soil Analytical Summary

Sample ID	Sample Collection Date	Sample Depth ¹	TPH ² (mg/kg) ³	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-trimethyl-benzene	1,3,5-trimethyl-benzene	Acenaph-thene (mg/kg)	Anthra-cene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluor-anthene (mg/kg)	Fluorene (mg/kg)	Indeno-(1,2,3c,d)-pyrene (mg/kg)	1-methyl-naphtha-lene (mg/kg)	2-methyl-naphtha-lene (mg/kg)	Naphtha-lene (mg/kg)	Pyrene (mg/kg)
YB-501-SS-1	4/17/2023	0.5	25	<0.00885	<0.00670	0.00552	<0.0256	<0.00650	<0.00450	<0.024	<0.017	<0.023	<0.019	<0.016	<0.018	<0.017	<0.019	<0.019	<0.014	<0.017	<0.016	<0.023	<0.015	<0.013
YB-BG-1 ⁴	4/17/2023	0.5	NM ⁵	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
YB-BG-2 ⁴	4/17/2023	0.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
COGCC ⁷ Table 915-1 RSSL ⁸ Concentration			500	1.2	490	5.8	58	30	27	360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180

Notes:

1. Depth given in feet blow ground surface.

2. Total Petroleum Hydrocarbons

3. Milligrams per kilogram

4. Background soil sample

5. Not Measured

6. <30.0 indicates a sample concentration less than the laboratory method detection limit of 30.0 mg/kg.

7. Colorado Oil & Gas Conservation Commission

8. Residential Soil Screening Level

Values shown in **red** exceed COGCC Table 915-1 RSSL Concentration.