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27 August 2020

Michael Hannigan
Kinder Morgan
17801 Hwy 491
Cortez, CO 81321
RE: TPH Ext.

Enclosed are the results of analyses for samples received by the laboratory on 08/25/20 15:10. The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

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

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'. The script is cursive and fluid, with the first name 'Debbie' and last name 'Zufelt' clearly legible.

Debbie Zufelt
Reports Manager

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.

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.



Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: TPH Ext.
Project Name / Number: Drilling Pit samples GP-19 Subsurface
Project Manager: Michael Hannigan

Reported:
08/27/20 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
GP-19-SB-6-5'-6'	2008279-01	Solid	08/24/20 15:45	08/25/20 15:10	

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A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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GP-19-SB-6-5'-6'

2008279-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/26/20 18:01	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	08/26/20 18:01	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/26/20 18:01	8015B		MS
Surrogate: 1-Chlorooctane			95.4 %	44.3-144		08/26/20 18:01	8015B		MS
Surrogate: 1-Chlorooctadecane			97.0 %	42.2-156		08/26/20 18:01	8015B		MS

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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 0082605 - General Prep - Organics

Blank (0082605-BLK1)

Prepared & Analyzed: 08/26/20

Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	42.2-156			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	44.3-144			
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 (0082605-BS1)

Prepared & Analyzed: 08/26/20

Surrogate: 1-Chlorooctadecane	59.1		mg/kg	50.0		118	42.2-156			
Surrogate: 1-Chlorooctane	55.1		mg/kg	50.0		110	44.3-144			
DRO >C10-C28	195	10.0	mg/kg	200		97.6	80-132			
GRO C6-C10	196	10.0	mg/kg	200		97.8	78.8-127			
Total TPH C6-C28	391	10.0	mg/kg	400		97.7	81.3-128			

LCS Dup (0082605-BS1)

Prepared & Analyzed: 08/26/20

Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	42.2-156			
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	44.3-144			
DRO >C10-C28	209	10.0	mg/kg	200		105	80-132	6.93	17.1	
GRO C6-C10	210	10.0	mg/kg	200		105	78.8-127	6.87	15.1	
Total TPH C6-C28	419	10.0	mg/kg	400		105	81.3-128	6.90	15	

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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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