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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 signature is written in a cursive, flowing style.

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.



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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: TPH Ext.
Project Name / Number: Drilling Pit samples GP-16 Subsurface
Project Manager: Michael Hannigan

Reported:
08/27/20 14:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
GP-16-SB-6-8'-9'	2008280-01	Solid	08/24/20 15:10	08/25/20 15:10	
GP-16-SB-6-9'-10'	2008280-02	Solid	08/24/20 15:15	08/25/20 15:10	

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Debbie Zufelt, Reports Manager

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GP-16-SB-6-8'-9'

2008280-01 (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 18:23	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	08/26/20 18:23	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/26/20 18:23	8015B		MS
Surrogate: 1-Chlorooctane			92.1 %	44.3-144		08/26/20 18:23	8015B		MS
Surrogate: 1-Chlorooctadecane			91.5 %	42.2-156		08/26/20 18:23	8015B		MS

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Reported:
08/27/20 14:16

GP-16-SB-6-9'-10'

2008280-02 (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 18:45	8015B		MS
DRO >C10-C28*	595	10.0	2.97	mg/kg	1	08/26/20 18:45	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/26/20 18:45	8015B		MS
Surrogate: 1-Chlorooctane			113 %	44.3-144		08/26/20 18:45	8015B		MS
Surrogate: 1-Chlorooctadecane			107 %	42.2-156		08/26/20 18:45	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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