



January 26, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PECOS RIVER OXY TRUCK UNLOAD

Enclosed are the results of analyses for samples received by the laboratory on 01/25/16 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 SHELDON HITCHCOCK
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 1' (H600167-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	<10.0	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 78.0 % 35-147
Surrogate: 1-Chlorooctadecane 80.4 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0.5' (H600167-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	<10.0	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 76.5 % 35-147

Surrogate: 1-Chlorooctadecane 77.7 % 28-171

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Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0.5' (H600167-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	<10.0	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 77.7 % 35-147

Surrogate: 1-Chlorooctadecane 76.9 % 28-171

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Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0.5' (H600167-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	388	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 82.4 % 35-147

Surrogate: 1-Chlorooctadecane 91.0 % 28-171

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Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: TANK 1 1' (H600167-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	<10.0	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 80.2 % 35-147

Surrogate: 1-Chlorooctadecane 81.4 % 28-171

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Received:	01/25/2016	Sampling Date:	01/25/2016
Reported:	01/26/2016	Sampling Type:	Soil
Project Name:	PECOS RIVER OXY TRUCK UNLOAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: TANK 2 1' (H600167-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2016	ND	2.41	121	2.00	5.16		
Toluene*	<0.050	0.050	01/26/2016	ND	2.34	117	2.00	6.00		
Ethylbenzene*	<0.050	0.050	01/26/2016	ND	2.14	107	2.00	6.06		
Total Xylenes*	<0.150	0.150	01/26/2016	ND	6.52	109	6.00	5.02		
Total BTEX	<0.300	0.300	01/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2016	ND	190	94.9	200	4.43		
DRO >C10-C28	<10.0	10.0	01/26/2016	ND	184	92.0	200	2.67		

Surrogate: 1-Chlorooctane 82.2 % 35-147

Surrogate: 1-Chlorooctadecane 81.9 % 28-171

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Notes and Definitions

- BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM450Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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