

November 02, 2017

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VEGA 9

Enclosed are the results of analyses for samples received by the laboratory on 11/01/17 12:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/01/2017	Sampling Date:	10/27/2017
Reported:	11/02/2017	Sampling Type:	Soil
Project Name:	VEGA 9	Sampling Condition:	Cool & Intact
Project Number:	701162.086.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX/LOCO HILLS		

Sample ID: H 8' (H702999-01)

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	11/02/2017	ND	2.06	103	2.00	0.991		
Toluene*	<0.050	0.050	11/02/2017	ND	2.10	105	2.00	1.89		
Ethylbenzene*	<0.050	0.050	11/02/2017	ND	2.12	106	2.00	1.22		
Total Xylenes*	<0.150	0.150	11/02/2017	ND	6.78	113	6.00	1.32		
Total BTEX	<0.300	0.300	11/02/2017	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/02/2017	ND	448	112	400	3.64		

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	11/02/2017	ND	191	95.7	200	1.60		
DRO >C10-C28	<10.0	10.0	11/02/2017	ND	197	98.5	200	1.62		
EXT DRO >C28-C36	<10.0	10.0	11/02/2017	ND						

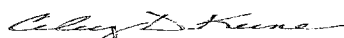
Surrogate: 1-Chlorooctane 84.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.0 % 34.7-157

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/01/2017
 Reported: 11/02/2017
 Project Name: VEGA 9
 Project Number: 701162.086.01
 Project Location: CIMAREX/LOCO HILLS

 Sampling Date: 10/27/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: I 5' (H702999-02)

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	11/02/2017	ND	2.06	103	2.00	0.991		
Toluene*	<0.050	0.050	11/02/2017	ND	2.10	105	2.00	1.89		
Ethylbenzene*	<0.050	0.050	11/02/2017	ND	2.12	106	2.00	1.22		
Total Xylenes*	<0.150	0.150	11/02/2017	ND	6.78	113	6.00	1.32		
Total BTEX	<0.300	0.300	11/02/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/02/2017	ND	448	112	400	3.64		

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	11/02/2017	ND	191	95.7	200	1.60		
DRO >C10-C28	<10.0	10.0	11/02/2017	ND	197	98.5	200	1.62		
EXT DRO >C28-C36	<10.0	10.0	11/02/2017	ND						

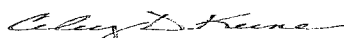
Surrogate: 1-Chlorooctane 82.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.3 % 34.7-157

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager


Notes and Definitions

- 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 SM4500Cl-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

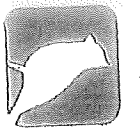
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

FIELD NO

ANALYSIS REQUEST

Company Name: Talon/LPE P.O. #:
 Project Manager: D Adkins Company: Talon/LPE
 Address: 408 W. Texas Ave. Address:
 City: Atesla State: NM zip: 88210 Adm:
 Phone #: 575-746-8768 Fax #: 575-746-8905 Address:
 Project #: 70162.086.01 Project Owner: Cinorex City: State: Zip:
 Project Name: Vegetation Phone #: Fax #:
 Project Location: Eddy County

Sampler Name: J. Laird Matrix: G/RAB OR (C)COMP.
 For Lab Use Only: # CONTAINERS
 Groundwater: WASTEWATER: SOIL:
 OIL: SLUDGE: OTHER:
 ACID/BASE: ICE/COOL: OTHER:
 PRESERV: SAMPLING:

Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME	ANALYSIS REQUEST
H702949	H 8'	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>							10-27-17	1035	<input checked="" type="checkbox"/>
	02	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>							10-27-17	1030	<input checked="" type="checkbox"/>

RECEIVED BY: [Signature] DATE: 11-1-17
 RECEIVED BY: [Signature] DATE: 10-30-17
 REINQUISHED BY: [Signature] DATE: 10-30-17
 REINQUISHED BY: [Signature] DATE: 10-30-17

Delivered By: (Circle One) 1.62 Sample Condition: Cool Intact Yes No
 Sampler: UPS - Bus - Other: Corrupted 1.852 Checked By: [Signature] (Initials) TPH

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326