

talonlpe.com • 866.742.0742



**Remediation Closure Report
Alpha Crude Connector, LLC: Lynch Station
[1RP-4313]**

October 13, 2016

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

Prepared For:

Alpha Crude Connector, LLC

Ms. Kristin Lynch
NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Remedial Activities and Closure Report**
Alpha Crude Connector, LLC
Lynch Station |IRP-4313|

Dear Ms. Lynch,

Alpha Crude Connector (ACC) has contracted Talon/LPE (Talon) to perform initial spill response, soil sampling and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Site Information

The ACC Lynch Station is located approximately thirty-one (31) miles southwest of Hobbs, New Mexico. The legal location for this facility is Unit Letter B, Section 1, Township 21 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude are 32.52175 North and -103.52468 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS), the soil in this area is made up of Kimbrough gravelly loam with 0 to 3 percent slopes. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

According to the New Mexico Office of the State Engineer the ground water in this area is approximately 112-feet below ground surface (BGS). Therefore the ranking for this site is a **0** based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH and 1,000 mg/kg for total chlorides.

Incident Description and Initial Remedial Actions

On June 15, 2016 a temporary tank overflowed resulting in the loss of approximately 15bbls of crude oil. The oil flowed from the tank off of the pad and into the adjacent pasture for approximately 266-feet. Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area utilizing a backhoe. Due to the shallow caliche in this area, refusal was encountered at depths ranging from 1.5 to 5-feet BGS. The laboratory results from the soil sampling event are summarized in the table below.

Laboratory Results

See [Appendix IV](#) for complete report of laboratory results.

Initial Sampling 6/22/2016

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	360	176	4870	35900
S-1	1	ND	--	ND	13.8
S-1 REFUSAL	2	ND	--	ND	14.7
S-2	0	1240	48	16200	59000
S-2	1	1680	--	15200	20800
S-2 REFUSAL	2	4.05	--	10.3	71.6
S-3	0	637	ND	7630	41700
S-3	1	1730	--	17300	28800
S-3 REFUSAL	1.5	4.79	--	10.3	30.8
S-4	0	11.1	ND	392	2780
S-4	1	927	--	9700	12800
S-4	2	471	--	6370	9950
S-4	3	0.308	--	ND	ND
S-4	4	ND	--	ND	ND
S-4 REFUSAL	5	3.14	--	12.4	79.3

(--) Analyte Not Tested

(ND) Analyte Not Detected

Confirmation Sampling 9/13/2016

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	2	ND	--	ND	ND
S-2	2	10.9	--	137	9800
S-3	1.5	0.361	--	ND	2250
S-4	5	11.2	--	139	4220
S-5	NA	ND	--	ND	ND
S-6	NA	ND	--	ND	ND
S-7	NA	ND	--	ND	ND
S-8	NA	ND	--	ND	ND
S-9	NA	ND	--	ND	ND
S-10	NA	ND	--	ND	1480

(--) Analyte Not Tested

(ND) Analyte Not Detected

Confirmation Sampling 9/19/2016

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-2	2.5	2.53	--	ND	134

(--) Analyte Not Tested

(ND) Analyte Not Detected

Conclusions and Remedial Actions Taken

- The impacted area in the vicinity of sample location S-1 was excavated to a depth of 1-foot BGS.
- The impacted area in the vicinity of sample location S-2 was excavated to a depth of 2-feet BGS.
- The impacted area in the vicinity of sample location S-3 was excavated to a depth of 1.5-feet BGS.
- The impacted area in the vicinity of sample location S-4 was excavated to a depth of 3-feet BGS.
- Confirmation soil samples were taken from the bottom and sidewalls of the excavation per NMOCD stipulations.
- Upon receipt of analytical data from the confirmation soil sampling it was discovered that area in the vicinity of sample location S-2 remained above NMOCD RRAL's for TPH.
- The excavation in the vicinity of sample location S-2 was then advanced to a depth of 2.5-feet BGS and a confirmation soil sample was again taken from the bottom of the excavation. The analytical results from this sampling event showed that all of the impacted material above NMOCD RRAL's was successfully removed.
- The analytical results from the confirmation sampling events were forwarded to NMOCD and permission to backfill the excavation was requested. Following review of the analytical results from the confirmation soil sampling NMOCD gave permission to backfill the excavation.
- The excavated area inside of the station was backfilled with caliche.
- The excavated area in the pasture was backfilled with top soil, contoured to match the surrounding terrain and left in a "rough" condition to approximate natural surface deviations, control erosion and promote revegetation.
- The pasture area was seeded utilizing a Culti-Pack seed drill with 2 acres of BLM #3. A copy of the seed label can be found in [Appendix IV](#). This area will be monitored periodically for revegetation and the development of noxious weeds until revegetation occurs.

Closure


On behalf of Alpha Crude Connector, LLC we respectfully request that no further actions be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE


Sheldon Hitchcock
Project Manager


David J. Adkins
District Manager

Attachments

Appendix I Site Plan
Appendix II Groundwater Data
Appendix III Initial & Final C-141
Appendix IV Seed Label
Appendix V Photographic Documentation
Appendix VI Laboratory Results

APPENDIX I

SITE PLAN



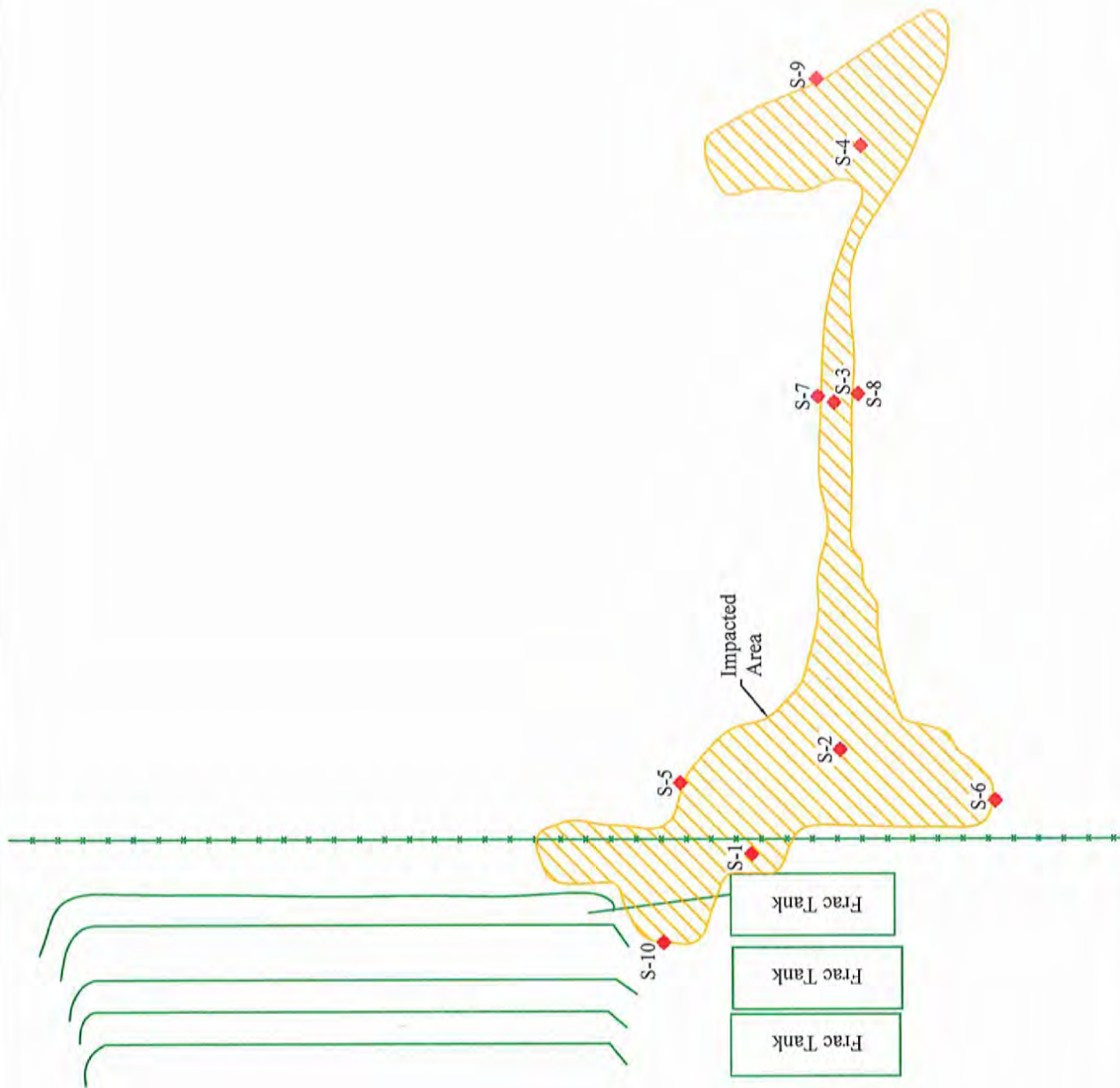
NTS



Scale in Feet

Legend

- Sample Location
- Fence Line



Date: 09/13/2016

Scale: NTS

Drawn By: TJS

Lynch Station
Alpha Crude Connector, LLC
Lea County, New Mexico
Figure 1 - Site Plan

APPENDIX II

GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD	County	Q Q Q						X	Y	Distance	Depth Well	Depth Water	Water Column	
	Sub-Code		basin	64	16	4	Sec	Tws							Rng
CP 00611		LE		2	1	06	21S	34E	639838	3598306*		1190	118	112	6
CP 00579		LE		2	2	02	21S	33E	637438	3598269*		1210	125	100	25
CP 00796		LE	2	2	4	02	21S	33E	637548	3597564*		1316	102		
CP 00803		LE	3	2	2	02	21S	33E	637337	3598168*		1316	1100		
CP 00804		LE	3	2	2	02	21S	33E	637337	3598168*		1316	170		
CP 01316 POD1		LE	3	2	4	02	21S	33E	637432	3597709		1346	1364	1046	318
CP 00797		LE	1	2	4	02	21S	33E	637348	3597564*		1487	110		

Average Depth to Water: **419 feet**

Minimum Depth: **100 feet**

Maximum Depth: **1046 feet**

Record Count: 7

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 638648

Northing (Y): 3598287

Radius: 1500

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX III
INITIAL C-141
&
FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

By JKeyes at 10:16 am, Jun 20, 2016

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Alpha Crude Connector, LLC	Contact: George Grau	
Address: 4200 E Skelly Dr. Ste 400 Tulsa, OK 74135	Telephone No. 817-312-3792	
Facility Name: Lynch Station	Facility Type: Pipeline	
Surface Owner: State	Mineral Owner:	API No.

LOCATION OF RELEASE

Unit Letter B	Section 1	Township 21S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.52175 Longitude -103.52468

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 15bbls	Volume Recovered: 5bbls
Source of Release: Tank overflow	Date and Hour of Occurrence: 6/15/16 8:00pm	Date and Hour of Discovery: 6/15/16 8:00pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

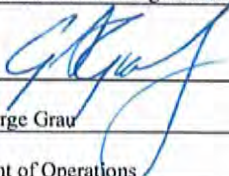
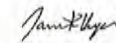
Describe Cause of Problem and Remedial Action Taken.*

A temporary tank overflowed resulting in the loss of approximately 15bbls of crude oil. Upon discovery a vacuum truck was immediately dispatched to the site to recover standing fluid. Approximately 5bbls of fluid were recovered.

Describe Area Affected and Cleanup Action Taken.*

The affected area originated on the pad and flowed east across the pad and into the adjacent pasture. The area was marked for a one-call and soil samples will be collected in preparation for drafting a remediation work plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: George Grau	Approved by Environmental Specialist: 	
Title: Vice President of Operations	Approval Date: 06/20/2016	Expiration Date: 08/20/2016
E-mail Address: ggrau@frontierenergylle.com	Conditions of Approval: Discrete samples only. Delineate and remediate per NMOCD guidelines.	Attached <input type="checkbox"/> IRP 4313
Date: 6/17/2016 Phone: 817-312-3792		

* Attach Additional Sheets If Necessary

nJXK1617236605
pJXK1617236766

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report


Name of Company: Alpha Crude Connector, LLC	Contact: George Grau	
Address: 4200 E Skelly Dr. Ste 400 Tulsa, OK 74135	Telephone No. 817-312-3792	
Facility Name: Lynch Station	Facility Type: Pipeline	
Surface Owner: State	Mineral Owner:	API No.

LOCATION OF RELEASE

Unit Letter B	Section 1	Township 21S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.52175 Longitude -103.52468

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 15bbls	Volume Recovered: 5bbls
Source of Release: Tank overflow	Date and Hour of Occurrence: 6/15/16 8:00pm	Date and Hour of Discovery: 6/15/16 8:00pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A temporary tank overflowed resulting in the loss of approximately 15bbls of crude oil. Upon discovery a vacuum truck was immediately dispatched to the site to recover standing fluid. Approximately 5bbls of fluid were recovered.		
Describe Area Affected and Cleanup Action Taken.* The affected area originated on the pad and flowed east across the pad and into the adjacent pasture. The area was marked for a one-call and soil samples will be collected in preparation for drafting a remediation work plan. Once laboratory results from the soil sampling even were received a work plan was drafted and subsequently approved by NMOCD and the State Land Office (SLO). A remediation permit was required by SLO upon approval of the permit the remediation was conducted in accordance with the approved work plan. After review of confirmation soil sampling NMOCD gave permission to backfill the excavated areas. The excavation was backfilled and prepared for seeded in occurrence with SLO stipulations. The area in the pasture was seeded with 2 acres of BLM #3 seed mixture.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: George Grau	Approved by Environmental Specialist:	
Title: Vice President of Operations	Approval Date:	Expiration Date:
E-mail Address: ggrau@frontierenergyllc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/13/2016 Phone: 817-312-3792		

* Attach Additional Sheets If Necessary

APPENDIX IV

SEED LABEL

4500 North Prince
Clovis, NM 88101
Phone: (575) 762-4759
www.curtisseed.com

Talon / LPE, LTD
2 Acre BLM #3, Drilled Rate
1 - 2 Acre Bag @ 28.41 Bulk Pounds
Job "Alfa Crude Lynch Station"

<u>Item</u>	<u>Origin</u>	<u>Purity</u>	<u>Germ</u>	<u>Dormant</u>	<u>Total Germination</u>	<u>Test Date</u>	<u>Total PLS Pounds</u>
Sideoats Grama El Reno	Texas	54.16%	72.00%	19.00%	91.00%	08/16	14.00
Blue Grama VNS	New Mexico	11.24%	28.00%	66.00%	94.00%	03/16	3.00
Plains Bristlegrass VNS	Texas	7.83%	2.00%	88.00%	90.00%	05/16	2.00
Other Crop: Weed Seed: Inert Matter:	1.82% 0.15% 24.80%	There Are 1 Bags For This Mix This Bag Weighs 28.41 Bulk Pounds Use This Bag For 2 Acres			Total Bulk Pounds:		28

APPENDIX V

PHOTOGRAPHIC DOCUMENTATION



le Connector, LLC

**In Case of Emergency Call:
866-856-9337**

LYNCH STATION

Lea County, New Mexico
off of HWY 176 at MM26
N32.522267 W103.524841



**LEUM
LINE**



**FLAMMABLE NO
SMOKING OR OPEN
FLAMES**



**NO
TRESPASSING**
VIOLATORS WILL BE
PROSECUTED

NOTICE

**NO FIREARM, DRUG
OR ALCOHOL ON
COMPANY PROPERTY**

CAUTION

**FIRE RETARDANT/
CLOTHING (FRC), HARD
HAT, SAFETY GLASSES
APPROPRIATE SHOES
REQUIRED IN THIS AREA**

CAUTION

**HEARING PROTECTION
REQUIRED WHEN
NOISE PRESENT**

SPEED

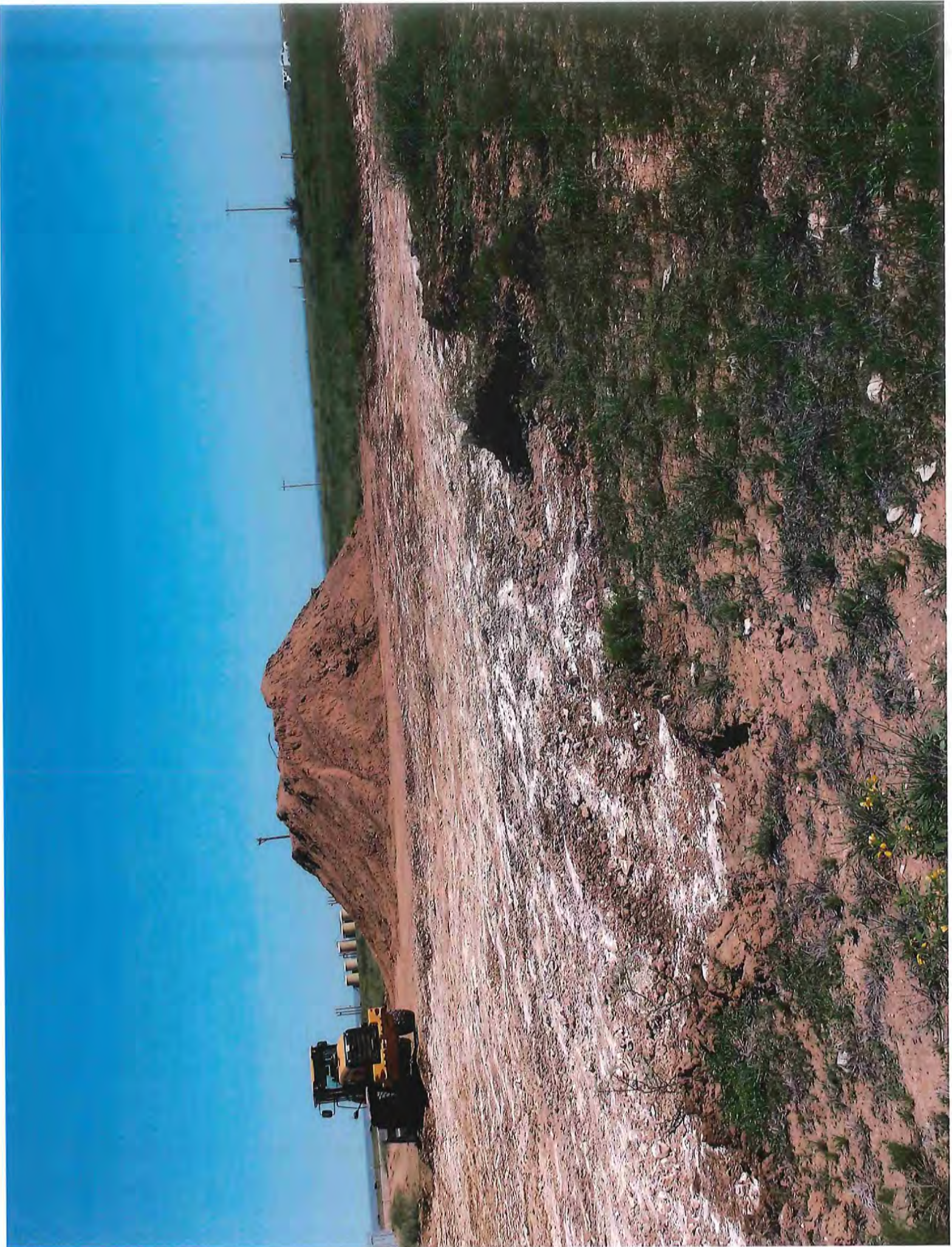
LIMIT

10















APPENDIX VI

LABROTORY RESULTS



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

June 28, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LYNCH STATION

Enclosed are the results of analyses for samples received by the laboratory on 06/22/16 12:55.

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,

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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780.-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-1 0' (H601357-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	27.0	2.00	06/24/2016	ND	2.07	103	2.00	1.69	
Toluene*	128	2.00	06/24/2016	ND	1.90	95.1	2.00	1.05	
Ethylbenzene*	46.0	2.00	06/24/2016	ND	1.69	84.4	2.00	0.488	
Total Xylenes*	159	6.00	06/24/2016	ND	5.26	87.6	6.00	0.422	
Total BTX	360	12.0	06/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/22/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4870	100	06/23/2016	ND	202	101	200	0.642		
DRO >C10-C28	35900	100	06/23/2016	ND	213	107	200	0.0404		

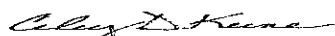
Surrogate: 1-Chlorooctane 235 % 35-147

Surrogate: 1-Chlorooctadecane 1150 % 28-171

Cardinal Laboratories

*—Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-1 1' (H601357-02)

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	06/24/2016	ND	2.07	103	2.00	1.69			
Toluene*	0.063	0.050	06/24/2016	ND	1.90	95.1	2.00	1.05			
Ethylbenzene*	<0.050	0.050	06/24/2016	ND	1.69	84.4	2.00	0.488			
Total Xylenes*	<0.150	0.150	06/24/2016	ND	5.26	87.6	6.00	0.422			
Total BTEX	<0.300	0.300	06/24/2016	ND							

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 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	06/23/2016	ND	202	101	200	0.642	
DRO >C10-C28	13.8	10.0	06/23/2016	ND	213	107	200	0.0404	

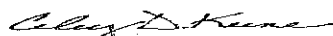
Surrogate: 1-Chlorooctane 87.9 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

Cardinal Laboratories

**=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-1 2' REFUSAL (H601357-03)

BTX 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	06/24/2016	ND	2.07	103	2.00	1.69	
Toluene*	<0.050	0.050	06/24/2016	ND	1.90	95.1	2.00	1.05	
Ethylbenzene*	<0.050	0.050	06/24/2016	ND	1.69	84.4	2.00	0.488	
Total Xylenes*	<0.150	0.150	06/24/2016	ND	5.26	87.6	6.00	0.422	
Total BTX	<0.300	0.300	06/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 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	06/23/2016	ND	202	101	200	0.642	
DRO >C10-C28	14.7	10.0	06/23/2016	ND	213	107	200	0.0404	

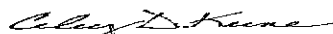
Surrogate: 1-Chlorooctane 89.6 % 35-147

Surrogate: 1-Chlorooctadecane 97.8 % 28-171

Cardinal Laboratories

*==Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-2 0' (H601357-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	127	10.0	06/24/2016	ND	2.07	103	2.00	1.69	
Toluene*	516	10.0	06/24/2016	ND	1.90	95.1	2.00	1.05	
Ethylbenzene*	143	10.0	06/24/2016	ND	1.69	84.4	2.00	0.488	
Total Xylenes*	454	30.0	06/24/2016	ND	5.26	87.6	6.00	0.422	
Total BTEX	1240	60.0	06/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	16200	500	06/23/2016	ND	202	101	200	0.642		
DRO >C10-C28	59000	500	06/23/2016	ND	213	107	200	0.0404		

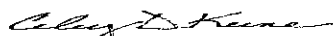
Surrogate: 1-Chlorooctane 2230 % 35-147

Surrogate: 1-Chlorooctadecane 2320 % 28-171

Cardinal Laboratories

*==Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-2 1' (H601357-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	261	10.0	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	707	10.0	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	180	10.0	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	535	30.0	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTX	1680	60.0	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	15200	100	06/23/2016	ND	202	101	200	0.642		
DRO >C10-C28	20800	100	06/23/2016	ND	213	107	200	0.0404		

Surrogate: 1-Chlorooctane 312 % 35-147

Surrogate: 1-Chlorooctadecane 520 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-2 2' REFUSAL (H601357-06)

BTEX 8021B		mg/kg	Analyzed By: MS				QM-4X		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.139	0.050	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	1.03	0.050	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	0.645	0.050	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	2.23	0.150	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	4.05	0.300	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 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	10.3	10.0	06/23/2016	ND	202	101	200	0.642	
DRO >C10-C28	71.6	10.0	06/23/2016	ND	213	107	200	0.0404	


Surrogate: 1-Chlorooctane 88.1 % 35-147

Surrogate: 1-Chlorooctadecane 82.0 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-3 0' (H601357-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	33.5	5.00	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	196	5.00	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	93.6	5.00	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	314	15.0	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	637	30.0	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/22/2016	ND	400	100	400	0.00	

TPH 801SM		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	7630	100	06/23/2016	ND	202	101	200	0.642		
DRO >C10-C28	41700	100	06/23/2016	ND	213	107	200	0.0404		

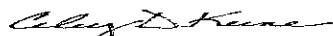
Surrogate: 1-Chlorooctane 359 % 35-147

Surrogate: 1-Chlorooctadecane 1240 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	06/22/2016	Sampling Date:	06/21/2016
Reported:	06/28/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Celey D. Keene
Project Location:	32.521780,-103.524648		

Sample ID: S-3 1' (H601357-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	222	10.0	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	700	10.0	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	200	10.0	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	604	30.0	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	1730	60.0	06/27/2016	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	17300	100	06/23/2016	ND	202	101	200	0.642		
DRO >C10-C28	28800	100	06/23/2016	ND	213	107	200	0.0404		

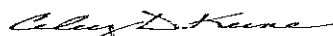
Surrogate: 1-Chlorooctane 418 % 35-147

Surrogate: 1-Chlorooctadecane 718 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	06/22/2016	Sampling Date:	06/21/2016
Reported:	06/28/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Celey D. Keene
Project Location:	32.521780,-103.524648		

Sample ID: S-3 1.5' REFUSAL (H601357-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.276	0.050	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	1.44	0.050	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	0.703	0.050	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	2.31	0.150	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	4.73	0.300	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	10.3	10.0	06/23/2016	ND	202	101	200	0.642	
DRO >C10-C28	30.8	10.0	06/23/2016	ND	213	107	200	0.0404	

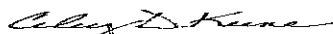
Surrogate: 1-Chlorooctane 79.6 % 35-147

Surrogate: 1-Chlorooctadecane 76.9 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 0' (H601357-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	1.71	0.200	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	1.92	0.200	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	7.32	0.600	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	11.1	1.20	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PHE) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/22/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	392	10.0	06/23/2016	ND	219	110	200	1.46		
DRO >C10-C28	2780	10.0	06/23/2016	ND	225	113	200	1.77		

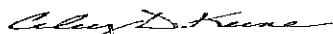
Surrogate: 1-Chlorooctane 152 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780, -103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 1' (H601357-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	106	5.00	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	382	5.00	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	107	5.00	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	332	15.0	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	927	30.0	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	9700	50.0	06/23/2016	ND	219	110	200	1.46		
DRO >C10-C28	12800	50.0	06/23/2016	ND	225	113	200	1.77		

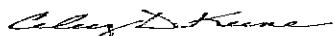
Surrogate: 1-Chlorooctane 709 % 35-147

Surrogate: 1-Chlorooctadecane 223 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 2' (H601357-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	44.3	5.00	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	180	5.00	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	58.9	5.00	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	188	15.0	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTEX	471	30.0	06/27/2016	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	6370	50.0	06/23/2016	ND	219	110	200	1.46		
DRO >C10-C28	9950	50.0	06/23/2016	ND	225	113	200	1.77		

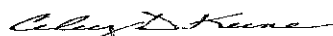
Surrogate: 1-Chlorooctane 512 % 35-147

Surrogate: 1-Chlorooctadecane 219 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	06/22/2016	Sampling Date:	06/21/2016
Reported:	06/28/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Celey D. Keene
Project Location:	32.521780,-103.524648		

Sample ID: S-4 3' (H601357-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.106	0.050	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	0.202	0.050	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTX	0.308	0.300	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	06/23/2016	ND	219	110	200	1.46	
DRO >C10-C28	<10.0	10.0	06/23/2016	ND	225	113	200	1.77	

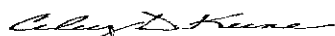
Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 97.4 % 28-171

Cardinal Laboratories

*==Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 4' (H601357-14)

BTX 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	06/27/2016	ND	1.95	97.3	2.00	0.960	
Toluene*	<0.050	0.050	06/27/2016	ND	1.83	91.6	2.00	1.23	
Ethylbenzene*	<0.050	0.050	06/27/2016	ND	1.73	86.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/27/2016	ND	5.32	88.7	6.00	1.25	
Total BTX	<0.300	0.300	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.7 % 73.6-140

TPH 801SM		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	06/23/2016	ND	189	94.5	200	7.04	
DRO >C10-C28	<10.0	10.0	06/23/2016	ND	185	92.4	200	8.20	

Surrogate: 1-Chlorooctane 95.7 % 35-147

Surrogate: 1-Chlorooctadecane 96.5 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 06/22/2016
 Reported: 06/28/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 06/21/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 5' REFUSAL (H601357-15)

BTEX 8021B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	0.135	0.050	06/27/2016	ND	1.95	97.3	2.00	0.960			
Toluene*	0.930	0.050	06/27/2016	ND	1.83	91.6	2.00	1.23			
Ethylbenzene*	0.465	0.050	06/27/2016	ND	1.73	86.5	2.00	1.29			
Total Xylenes*	1.61	0.150	06/27/2016	ND	5.32	88.7	6.00	1.25			
Total BTEX	3.14	0.300	06/27/2016	ND							

Surrogate: 4-Bromofluorobenzene (PIE) 99.7 % 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	12.4	10.0	06/23/2016	ND	189	94.5	200	7.04	
DRO >C10-C28	79.3	10.0	06/23/2016	ND	185	92.4	200	8.20	

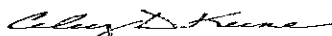
Surrogate: 1-Chlorooctane 89.3 % 35-147

Surrogate: 1-Chlorooctadecane 97.7 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

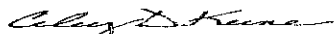
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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

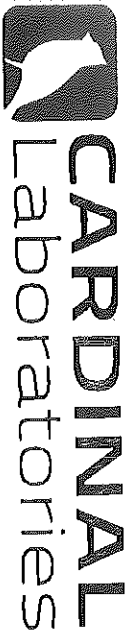
Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

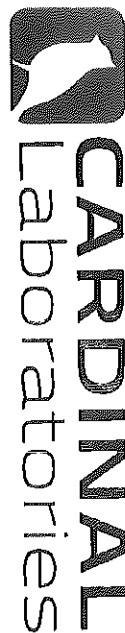
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:		BILL TO												
Project Manager: S. Hinchey		Company: Talon/LPE														
Address: 408 W. Texas Ave.		Attn:														
City: Artesia		Address:														
Phone #: 575-746-8768		City:														
Fax #: 575-746-8905		State:														
Project #: 702034, 004, 01		Zip:														
Project Name: L. H. H. Station		Phone #:														
Project Location: 32, 521780, -103, 524640		Fax #:														
Sample Name: S. Hinchey		PRESERV		SAMPLING												
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TESTS	
H01357-																PH
01	5-10'	G	1										6/24/16	9:00		BTEX
02	5-11'	G	1											9:02		Chlorides
03	5-12' (Fecal)	G	1											9:04		
04	5-20'	G	1											9:50		
05	5-21'	G	1											9:52		
06	5-22' (Fecal)	G	1											9:54		
07	5-30'	G	1											10:30		
08	5-31'	G	1											10:32		
09	5-31.5' (Fecal)	G	1											10:34		
10	5-40'	G	1											11:00		
PLEASE NOTE: Customer and Sample Labels and Chain of Custody forms are to be used for any claim arising within the time period for the claim for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for consequential damages including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal. Inquiries of whether such claim is based upon any of the above stated reasons or otherwise.																
Relinquished By: Sheldon Hinchey		Date: 6/24/16		Received By: [Signature]		Time: 12:55		Date: 6/24/16		Time: 12:55		Sample Condition: Cool Intact		CHECKED BY: (Initials)		
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		C.10C		No		Yes		No		Yes		C.10C		
REMARKS: Phone Result: [] Yes [] No Add'l Phone #: [] Fax Result: [] Yes [] No Add'l Fax #: []																

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

VG 10P2



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: S. Hitchcock

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 702034, 004, 01

Project Name: LYNN 544101

Project Location: 32, 521780 - 103, 524648

Sampler Name: S. Hitchcock

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H601357-

11 5-4 1'

12 5-4 2'

13 5-4 3'

14 5-4 4'

15 5-4 5' (Refused)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

11:02

11:04

11:06

11:30

11:35

PLEASE NOTE: Liability and damages. Cardinal's liability and client's exclusive remedy for any claim arising out of or from this contract or from the use of the services provided by Cardinal shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or from the performance of services rendered by Cardinal. Signature of whoever fills out this form is deemed to be a binding contract and any of the above stated terms or conditions.

Received By:

Date: 6/22/16

Time: 11:55

Date:

Time:

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes No

CHECKED BY:

(Initials)

6/10

Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:

REMARKS:



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

September 14, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LYNCH STATION

Enclosed are the results of analyses for samples received by the laboratory on 09/13/16 12:00.

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

 Received: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-1 2' (H602044-01)

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	09/14/2016	ND	2.06	103	2.00	4.53		
Toluene*	<0.050	0.050	09/14/2016	ND	2.02	101	2.00	3.31		
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.96	98.2	2.00	3.25		
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.97	99.5	6.00	3.05		
Total BTEX	<0.300	0.300	09/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 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	09/13/2016	ND	193	96.7	200	0.0781			
DRO >C10-C28	<10.0	10.0	09/13/2016	ND	196	97.8	200	1.72			

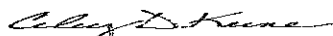
Surrogate: 1-Chlorooctane 64.0 % 35-147

Surrogate: 1-Chlorooctadecane 74.7 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780, -103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-2 2' (H602044-02)

BTEX 8021B		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.249	0.100	09/14/2016	ND	2.06	103	2.00	4.53	
Toluene*	2.42	0.100	09/14/2016	ND	2.02	101	2.00	3.31	
Ethylbenzene*	1.86	0.100	09/14/2016	ND	1.96	98.2	2.00	3.25	
Total Xylenes*	6.38	0.300	09/14/2016	ND	5.97	99.5	6.00	3.05	
Total BTEX	10.9	0.600	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	137	10.0	09/13/2016	ND	193	96.7	200	0.0781	
DRO >C10-C28	9800	10.0	09/13/2016	ND	196	97.8	200	1.72	

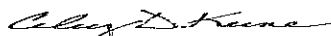
Surrogate: 1-Chlorooctane 116 % 35-147

Surrogate: 1-Chlorooctadecane 346 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-3 1.5' (H602044-03)

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	09/14/2016	ND	2.06	103	2.00	4.53	
Toluene*	<0.050	0.050	09/14/2016	ND	2.02	101	2.00	3.31	
Ethylbenzene*	0.066	0.050	09/14/2016	ND	1.96	98.2	2.00	3.25	
Total Xylenes*	0.295	0.150	09/14/2016	ND	5.97	99.5	6.00	3.05	
Total BTEX	0.361	0.300	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.7 % 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	09/13/2016	ND	193	96.7	200	0.0781	
DRO >C10-C28	2250	10.0	09/13/2016	ND	196	97.8	200	1.72	

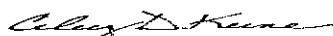
Surrogate: 1-Chlorooctane 92.1 % 35-147

Surrogate: 1-Chlorooctadecane 145 % 28-171

Cardinal Laboratories

*—Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	09/13/2016	Sampling Date:	09/13/2016
Reported:	09/14/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Jodi Henson
Project Location:	32.521780,-103.524648		

Sample ID: S-4 5' (H602044-04)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/14/2016	ND	2.06	103	2.00	4.53	
Toluene*	0.241	0.100	09/14/2016	ND	2.02	101	2.00	3.31	
Ethylbenzene*	<0.100	0.100	09/14/2016	ND	1.96	98.2	2.00	3.25	
Total Xylenes*	11.0	0.300	09/14/2016	ND	5.97	99.5	6.00	3.05	
Total BTEX	11.2	0.600	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 123 % 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	139	10.0	09/13/2016	ND	193	96.7	200	0.0781	
DRO >C10-C28	4220	10.0	09/13/2016	ND	196	97.8	200	1.72	

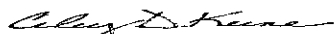
Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 159 % 28-171

Cardinal Laboratories

*==Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-5 (H602044-05)

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	09/14/2016	ND	2.06	103	2.00	4.53	
Toluene*	<0.050	0.050	09/14/2016	ND	2.02	101	2.00	3.31	
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.96	98.2	2.00	3.25	
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.97	99.5	6.00	3.05	
Total BTEX	<0.300	0.300	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	09/14/2016	ND	205	102	200	4.27	
DRO >C10-C28	<10.0	10.0	09/14/2016	ND	220	110	200	9.53	

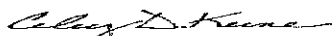
Surrogate: 1-Chlorooctane 95.3 % 35-147

Surrogate: 1-Chlorooctadecane 98.6 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	09/13/2016	Sampling Date:	09/13/2016
Reported:	09/14/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Jodi Henson
Project Location:	32.521780, -103.524648		

Sample ID: S-6 (H602044-06)

BTX 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	09/14/2016	ND	1.91	95.4	2.00	0.938	
Toluene*	<0.050	0.050	09/14/2016	ND	1.94	96.9	2.00	1.74	
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.88	94.2	2.00	2.14	
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.75	95.9	6.00	1.98	
Total BTX	<0.300	0.300	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.7 % 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	09/14/2016	ND	205	102	200	4.27	
DRO >C10-C28	<10.0	10.0	09/14/2016	ND	220	110	200	9.53	

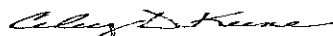
Surrogate: 1-Chlorooctane 93.0 % 35-147

Surrogate: 1-Chlorooctadecane 93.2 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780, -103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-7 (H602044-07)

BTX 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	09/14/2016	ND	1.91	95.4	2.00	0.938			
Toluene*	<0.050	0.050	09/14/2016	ND	1.94	96.9	2.00	1.74			
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.88	94.2	2.00	2.14			
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.75	95.9	6.00	1.98			
Total BTX	<0.300	0.300	09/14/2016	ND							

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 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	09/14/2016	ND	205	102	200	4.27			
DRO >C10-C28	<10.0	10.0	09/14/2016	ND	220	110	200	9.53			

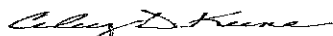
Surrogate: 1-Chlorooctane 89.7 % 35-147

Surrogate: 1-Chlorooctadecane 95.9 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	09/13/2016	Sampling Date:	09/13/2016
Reported:	09/14/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	** (See Notes)
Project Number:	702034.004.01	Sample Received By:	Jodi Henson
Project Location:	32.521780,-103.524648		

Sample ID: S-8 (H602044-08)

BTEx 80218			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2016	ND	1.91	95.4	2.00	0.938		
Toluene*	<0.050	0.050	09/14/2016	ND	1.94	96.9	2.00	1.74		
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.88	94.2	2.00	2.14		
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.75	95.9	6.00	1.98		
Total BTEX	<0.300	0.300	09/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	09/14/2016	ND	205	102	200	4.27	
DRO >C10-C28	<10.0	10.0	09/14/2016	ND	220	110	200	9.53	

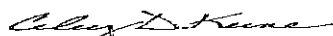
Surrogate: 1-Chlorooctane 84.1 % 35-147

Surrogate: 1-Chlorooctadecane 89.2 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-9 (H602044-09)

BTX 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	09/14/2016	ND	1.91	95.4	2.00	0.938	
Toluene*	<0.050	0.050	09/14/2016	ND	1.94	96.9	2.00	1.74	
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.88	94.2	2.00	2.14	
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.75	95.9	6.00	1.98	
Total BTX	<0.300	0.300	09/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.4 % 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	09/14/2016	ND	205	102	200	4.27	
DRO >C10-C28	<10.0	10.0	09/14/2016	ND	220	110	200	9.53	

Surrogate: 1-Chlorooctane 91.7 % 35-147

Surrogate: 1-Chlorooctadecane 94.5 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 09/13/2016
 Reported: 09/14/2016
 Project Name: LYNCH STATION
 Project Number: 702034.004.01
 Project Location: 32.521780,-103.524648

 Sampling Date: 09/13/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-10 (H602044-10)

BTX 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	09/14/2016	ND	1.91	95.4	2.00	0.938		
Toluene*	<0.050	0.050	09/14/2016	ND	1.94	96.9	2.00	1.74		
Ethylbenzene*	<0.050	0.050	09/14/2016	ND	1.88	94.2	2.00	2.14		
Total Xylenes*	<0.150	0.150	09/14/2016	ND	5.75	95.9	6.00	1.98		
Total BTX	<0.300	0.300	09/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.8 % 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	09/14/2016	ND	205	102	200	4.27			
DRO >C10-C28	1480	10.0	09/14/2016	ND	220	110	200	9.53			

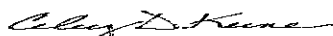
Surrogate: 1-Chlorooctane 92.6 % 35-147

Surrogate: 1-Chlorooctadecane 165 % 28-171

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

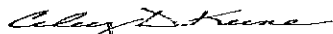
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

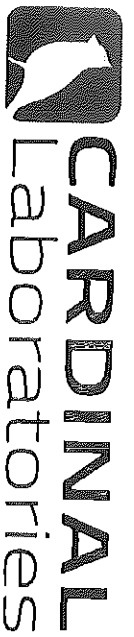
Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: S. Hittcock

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #:

Project Name: L Yach Station

Project Location:

Sampler Name: S. Hittcock

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H007044

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

11/16/16

10:35

11/16/16

10:15

11/16/16

10:20

11/16/16

10:25

11/16/16

10:16

11/16/16

10:17

11/16/16

10:21

11/16/16

10:22

11/16/16

10:26

11/16/16

10:33

PLEASE NOTE: Labels and Drawings. Customer's liability and client's exclusive remedy for any claim arising whether stated or not, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or its licensees arising out of or related to this performance of service hereunder by Cardinal. Irrespective of whether such claim is based upon any of the above stated remedies or otherwise.

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Received By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*

Rush samples taken & brought directly to lab. *[Signature]*

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

32.90

Sample Condition

Coat Intact

Yes ☐ No ☐

Checked By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*

Date: *11/16/16*

Time: *10:00*

Received By: *[Signature]*



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

September 21, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESTIA, NM 88210

RE: LYNCH STATION

Enclosed are the results of analyses for samples received by the laboratory on 09/20/16 9:50.

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

Received:	09/20/2016	Sampling Date:	09/19/2016
Reported:	09/21/2016	Sampling Type:	Soil
Project Name:	LYNCH STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.004.01	Sample Received By:	Jodi Henson
Project Location:	32.521780.-103.524648		

Sample ID: S-2 2.5' (H602091-01)

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	09/20/2016	ND	1.95	97.5	2.00	4.78	
Toluene*	0.258	0.050	09/20/2016	ND	1.98	99.1	2.00	5.01	
Ethylbenzene*	0.489	0.050	09/20/2016	ND	1.89	94.6	2.00	5.15	
Total Xylenes*	1.79	0.150	09/20/2016	ND	5.67	94.6	6.00	5.01	
Total BTEX	2.53	0.300	09/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 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	09/20/2016	ND	195	97.6	200	1.06	
DRO >C10-C28	134	10.0	09/20/2016	ND	207	103	200	0.408	

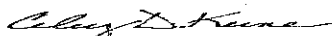
Surrogate: 1-Chlorooctane 86.1 % 35-147

Surrogate: 1-Chlorooctadecane 99.9 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

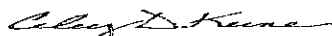
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: Sheldon Hitchcock

Address: 408 W. Texas Ave.

City: Artesia State: NM Zip: 88210

Phone #: 575-746-8768 Fax #: 575-746-8905

Project #: 702034.001.01 Project Owner: ACC

Project Name: ACC Lynch Station

Project Location: Lea County

Sampler Name: Robert DeRasier

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab ID. Sample ID.

HL02091

S-2 2.5'

(G)RAB OR (O)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

9/14/04 11:50A

TPH

BTEX

Relinquished By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition:

CHECKED BY:

Phone Result:

Fax Result:

Phone Result:

Fax Result:

Phone Result:

Fax Result:

Phone Result:

Fax Result:

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