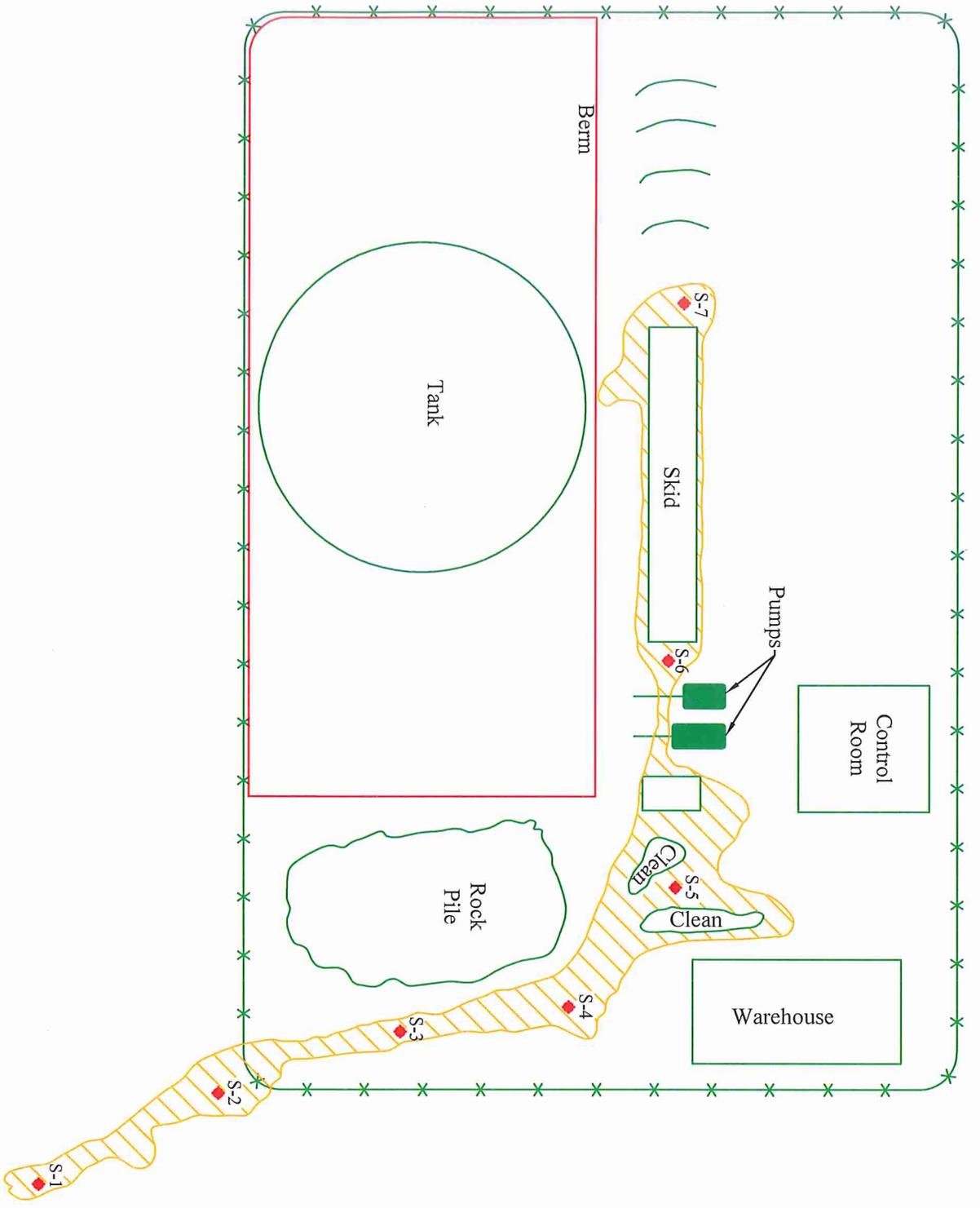




Date: 02/18/2016

Scale: NTS

Drawn By: TJS



**Legend**

- ◆ - Sample Location
- - - Fence Line
- - - Berm
- ▨ Impacted Area

N

NTS

Scale in Feet

Holly Station  
 Alpha Crude Connector, LLC  
 Eddy County, New Mexico  
 Figure 1 - Site Plan

## Laboratory Results

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

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	2	ND	128	ND	ND
S-2	2	1.17	48	ND	23.3
S-3	2	ND	32	ND	ND
S-4	3	ND	--	ND	ND
S-5	3	16.8	--	208	592
S-6	3	11.8	--	73.8	84.3
S-7	2	ND	288	ND	158

(--) Analyte Not Tested

(ND) Analyte Not Detected

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

February 26, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HOLLY STATION

Enclosed are the results of analyses for samples received by the laboratory on 02/25/16 9:45.

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](http://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,



Mike Snyder For 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:	02/25/2016	Sampling Date:	02/23/2016
Reported:	02/26/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-1 2' (H600419-01)**

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	02/25/2016	ND	1.94	97.1	2.00	1.27		
Toluene*	<0.050	0.050	02/25/2016	ND	1.90	95.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	02/25/2016	ND	1.74	87.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/25/2016	ND	5.33	88.8	6.00	1.06		
Total BTEX	<0.300	0.300	02/25/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	
<b>Chloride</b>	<b>128</b>	16.0	02/25/2016	ND	416	104	400	0.00		

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	02/25/2016	ND	208	104	200	3.32		
DRO >C10-C28	<10.0	10.0	02/25/2016	ND	224	112	200	3.37		

Surrogate: 1-Chlorooctane 100 % 35-147

Surrogate: 1-Chlorooctadecane 90.8 % 28-171

Cardinal Laboratories

\* = Accredited Analyte

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Mike Snyder For 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:	02/25/2016	Sampling Date:	02/23/2016
Reported:	02/26/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-2 2' (H600419-02)**

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	02/25/2016	ND	1.94	97.1	2.00	1.27	
<b>Toluene*</b>	<b>0.069</b>	0.050	02/25/2016	ND	1.90	95.2	2.00	1.75	
<b>Ethylbenzene*</b>	<b>0.105</b>	0.050	02/25/2016	ND	1.74	87.0	2.00	1.71	
<b>Total Xylenes*</b>	<b>1.09</b>	0.150	02/25/2016	ND	5.33	88.8	6.00	1.06	
<b>Total BTEX</b>	<b>1.27</b>	0.300	02/25/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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
<b>Chloride</b>	<b>48.0</b>	16.0	02/25/2016	ND	416	104	400	0.00	

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	02/25/2016	ND	208	104	200	3.32	
<b>DRO &gt;C10-C28</b>	<b>23.3</b>	10.0	02/25/2016	ND	224	112	200	3.37	

Surrogate: 1-Chlorooctane 89.1 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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



---

**Mike Snyder** For Celey D. Keene, Lab Director/Quality Manager

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

### BILL TO

### ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:							
Project Manager: S. Hitchcock		Company: Talon/LPE							
Address: 408 W. Texas Ave.		Attn:							
City: Artesia		Address:							
Phone #: 575-746-8768		City:							
State: NM zip: 88210		State:							
Fax #: 575-746-8905		Zip:							
Project #: 702034, 02, 01		Project Owner: ACC							
Project Name: Holly Station		Phone #:							
Project Location:		Fax #:							
Sampler Name: S. Hitchcock									
FOR LAB USE ONLY									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
H000419	1	G	1	GROUNDWATER			2/23/16	12:30	TPH
	2	G	1	WASTEWATER			2/23/16	12:32	BTEX
				SOIL					Chlorides
				OIL					
				SLUDGE					
				OTHER:					
				ACID/BASE:					
				ICE / COOL					
				OTHER:					

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Relinquished By: *[Signature]* Date: *2/23/16* Received By: *[Signature]* Date: *2/23/16*

Relinquished By: *[Signature]* Date: *2/23/16* Received By: *[Signature]* Date: *2/23/16*

Delivered By: (Circle One)  UPS  Bus  Other: *2.46*

Sample Condition:  Cool  Intact

Checked By: *[Signature]* Initials: *[Signature]*

REMARKS: *Rush*



March 02, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HOLLY STATION

Enclosed are the results of analyses for samples received by the laboratory on 03/01/16 10:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/01/2016	Sampling Date:	02/29/2016
Reported:	03/02/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-3 2' (H600450-01)**

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	03/01/2016	ND	2.04	102	2.00	0.201	
Toluene*	<0.050	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695	
Ethylbenzene*	<0.050	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514	
Total BTEX	<0.300	0.300	03/01/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	03/01/2016	ND	400	100	400	0.00	

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	03/01/2016	ND	192	96.0	200	2.66	
DRO >C10-C28	<10.0	10.0	03/01/2016	ND	219	109	200	10.3	

*Surrogate: 1-Chlorooctane 96.6 % 35-147*
*Surrogate: 1-Chlorooctadecane 103 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/01/2016	Sampling Date:	02/29/2016
Reported:	03/02/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-4 2' (H600450-02)**

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	03/01/2016	ND	2.04	102	2.00	0.201	
<b>Toluene*</b>	<b>0.090</b>	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695	
Ethylbenzene*	<0.050	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861	
<b>Total Xylenes*</b>	<b>0.208</b>	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514	
Total BTEX	<0.300	0.300	03/01/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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
<b>Chloride</b>	<b>144</b>	16.0	03/01/2016	ND	400	100	400	0.00	

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	03/01/2016	ND	192	96.0	200	2.66	
<b>DRO &gt;C10-C28</b>	<b>5550</b>	10.0	03/01/2016	ND	219	109	200	10.3	

Surrogate: 1-Chlorooctane 83.9 % 35-147

Surrogate: 1-Chlorooctadecane 158 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/01/2016	Sampling Date:	02/29/2016
Reported:	03/02/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-5 2' (H600450-03)**

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	03/01/2016	ND	2.04	102	2.00	0.201		
Toluene*	<0.050	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695		
Ethylbenzene*	<0.050	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861		
Total Xylenes*	<0.150	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514		
Total BTEX	<0.300	0.300	03/01/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	
<b>Chloride</b>	<b>1010</b>	16.0	03/01/2016	ND	400	100	400	0.00		

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	03/01/2016	ND	192	96.0	200	2.66		
<b>DRO &gt;C10-C28</b>	<b>4590</b>	10.0	03/01/2016	ND	219	109	200	10.3		

Surrogate: 1-Chlorooctane 86.5 % 35-147

Surrogate: 1-Chlorooctadecane 142 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/01/2016	Sampling Date:	02/29/2016
Reported:	03/02/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-6 2' (H600450-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.092</b>	0.050	03/01/2016	ND	2.04	102	2.00	0.201	
<b>Toluene*</b>	<b>0.943</b>	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695	
<b>Ethylbenzene*</b>	<b>0.301</b>	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861	
<b>Total Xylenes*</b>	<b>2.58</b>	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514	
<b>Total BTEX</b>	<b>3.91</b>	0.300	03/01/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 103 % 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
<b>Chloride</b>	<b>400</b>	16.0	03/01/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>44.5</b>	10.0	03/01/2016	ND	192	96.0	200	2.66	
<b>DRO &gt;C10-C28</b>	<b>3750</b>	10.0	03/01/2016	ND	219	109	200	10.3	

*Surrogate: 1-Chlorooctane 98.7 % 35-147*
*Surrogate: 1-Chlorooctadecane 136 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/01/2016	Sampling Date:	02/29/2016
Reported:	03/02/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-7 2' (H600450-05)**

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	03/01/2016	ND	2.04	102	2.00	0.201		
Toluene*	<0.050	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695		
Ethylbenzene*	<0.050	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861		
Total Xylenes*	<0.150	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514		
Total BTEX	<0.300	0.300	03/01/2016	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	
<b>Chloride</b>	<b>288</b>	16.0	03/01/2016	ND	400	100	400	0.00		

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	03/01/2016	ND	192	96.0	200	2.66		
<b>DRO &gt;C10-C28</b>	<b>158</b>	10.0	03/01/2016	ND	219	109	200	10.3		

*Surrogate: 1-Chlorooctane 106 % 35-147*
*Surrogate: 1-Chlorooctadecane 117 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report



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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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Talon/LPE  
 Project Manager: S. H. Crook  
 Address: 408 W. Texas Ave.  
 City: Artesia State: NM Zip: 88210  
 Phone #: 575-746-8768 Fax #: 575-746-8905  
 Project #: Project Owner: ACC  
 Project Name: Holly Station  
 Project Location:  
 Sampler Name: S. H. Crook  
 P.O. #: Company: Talon/LPE  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H000450	5-3 2'	G	1	/	/	/	/	/	2/29/16	1:50	TPH	
	5-4 2'	G	1	/	/	/	/	/		1:55	BTEX	
	5-5 2'	G	1	/	/	/	/	/		1:58	Chlorides	
	5-6 2'	G	1	/	/	/	/	/		2:00		
	5-7 2'	G	1	/	/	/	/	/		2:05		

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Relinquished By: Steph M. Pitt Date: 3/11/16 Received By: Scott Henderson  
 Refiniquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Delivered By: (Circle One) 3.80c Sample Condition: Cool  Intact   
 Sampler - UPS - Bus - Other: \_\_\_\_\_ Yes  No

CHECKED BY: \_\_\_\_\_ (Initials) \_\_\_\_\_  
 REMARKS: RUSH  
 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 #244



March 07, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HOLLY STATION

Enclosed are the results of analyses for samples received by the laboratory on 03/04/16 14:15.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/04/2016	Sampling Date:	03/03/2016
Reported:	03/07/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-4 3' (H600486-01)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2016	ND	1.94	96.9	2.00	4.20		
Toluene*	<0.050	0.050	03/04/2016	ND	1.89	94.5	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/04/2016	ND	1.71	85.5	2.00	5.61		
Total Xylenes*	<0.150	0.150	03/04/2016	ND	5.27	87.9	6.00	5.93		
Total BTEX	<0.300	0.300	03/04/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/04/2016	ND	190	95.0	200	5.89		
DRO >C10-C28	<10.0	10.0	03/04/2016	ND	206	103	200	6.70		

Surrogate: 1-Chlorooctane 96.2 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/04/2016	Sampling Date:	03/03/2016
Reported:	03/07/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-5 3' (H600486-02)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.492</b>	0.050	03/04/2016	ND	1.94	96.9	2.00	4.20	
<b>Toluene*</b>	<b>4.86</b>	0.050	03/04/2016	ND	1.89	94.5	2.00	5.36	
<b>Ethylbenzene*</b>	<b>1.55</b>	0.050	03/04/2016	ND	1.71	85.5	2.00	5.61	
<b>Total Xylenes*</b>	<b>9.86</b>	0.150	03/04/2016	ND	5.27	87.9	6.00	5.93	
<b>Total BTEX</b>	<b>16.8</b>	0.300	03/04/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>208</b>	10.0	03/04/2016	ND	190	95.0	200	5.89	
<b>DRO &gt;C10-C28</b>	<b>592</b>	10.0	03/04/2016	ND	206	103	200	6.70	

Surrogate: 1-Chlorooctane 97.2 % 35-147

Surrogate: 1-Chlorooctadecane 96.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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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:	03/04/2016	Sampling Date:	03/03/2016
Reported:	03/07/2016	Sampling Type:	Soil
Project Name:	HOLLY STATION	Sampling Condition:	Cool & Intact
Project Number:	702034.001.01	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-6 3' (H600486-03)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.10</b>	0.050	03/05/2016	ND	1.94	96.9	2.00	4.20	
<b>Toluene*</b>	<b>4.24</b>	0.050	03/05/2016	ND	1.89	94.5	2.00	5.36	
<b>Ethylbenzene*</b>	<b>0.791</b>	0.050	03/05/2016	ND	1.71	85.5	2.00	5.61	
<b>Total Xylenes*</b>	<b>5.69</b>	0.150	03/05/2016	ND	5.27	87.9	6.00	5.93	
<b>Total BTEX</b>	<b>11.8</b>	0.300	03/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>73.8</b>	10.0	03/04/2016	ND	190	95.0	200	5.89	
<b>DRO &gt;C10-C28</b>	<b>84.3</b>	10.0	03/04/2016	ND	206	103	200	6.70	

Surrogate: 1-Chlorooctane 96.4 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report



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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

### BILL TO

### ANALYSIS REQUEST

Company Name: Talon/LPE  
 Project Manager: S. Hitchcock  
 Address: 408 W. Texas Ave.  
 City: Artesia State: NM Zip: 88210  
 Phone #: 575-746-8768 Fax #: 575-746-8905  
 Project #: Project Owner: ALL  
 Project Name: Holly Station  
 Project Location:  
 Sampler Name: S. Hitchcock  
 P.O. #: Company: Talon/LPE  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H00426	1	G	1						3/3/16	3:09	/	/	
	2	G	1							2:58	/	/	
	3	G	1							3:07	/	/	

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Relinquished By: *S. Hitchcock*  
 Date: 3/4/16  
 Time: 2:15  
 Received By: *Spacie Henderson*  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: 580  
 Sample Condition: Cool  Intact   
 Checked By: *Spacie Henderson*  
 Phone Result:  Yes  No  
 Fax Result:  Yes  No  
 Add'l Phone #: \_\_\_\_\_  
 Add'l Fax #: \_\_\_\_\_

REMARKS: *RUSH*