



Date: 02/18/2016
 Scale: NTS
 Drawn By: TJS

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.

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
Reported: 02/26/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
Chloride	128	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
Reported: 02/26/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

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

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

Chloride, SM4500CI-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	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	23.3	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

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*=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

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Mike Snyder For 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

[illegible]

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.

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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: 03/01/2016
Reported: 03/02/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/29/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

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	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 BTX	<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
Chloride	32.0	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
Reported: 03/02/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/29/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
Toluene*	0.090	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*	0.208	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
Chloride	144	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	5550	10.0	03/01/2016	ND	219	109	200	10.3	

Surrogate: 1-Chlorooctane 83.9 % 35-147

Surrogate: 1-Chlorooctadecane 158 % 28-171

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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
Reported: 03/02/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/29/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

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	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 BTX	<0.300	0.300	03/01/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	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	4590	10.0	03/01/2016	ND	219	109	200	10.3	

Surrogate: 1-Chlorooctane 86.5 % 35-147

Surrogate: 1-Chlorooctadecane 142 % 28-171

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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
Reported: 03/02/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 02/29/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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
Benzene*	0.092	0.050	03/01/2016	ND	2.04	102	2.00	0.201	
Toluene*	0.943	0.050	03/01/2016	ND	1.99	99.4	2.00	0.695	
Ethylbenzene*	0.301	0.050	03/01/2016	ND	1.81	90.4	2.00	0.861	
Total Xylenes*	2.58	0.150	03/01/2016	ND	5.57	92.8	6.00	0.514	
Total BTEX	3.91	0.300	03/01/2016	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	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	44.5	10.0	03/01/2016	ND	192	96.0	200	2.66	
DRO >C10-C28	3750	10.0	03/01/2016	ND	219	109	200	10.3	

Surrogate: 1-Chlorooctane 98.7 % 35-147

Surrogate: 1-Chlorooctadecane 136 % 28-171

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Analytical Results For:

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

 Received: 03/01/2016
 Reported: 03/02/2016
 Project Name: HOLLY STATION
 Project Number: 702034.001.01
 Project Location: NONE GIVEN

 Sampling Date: 02/29/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

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	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 BTX	<0.300	0.300	03/01/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	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	158	10.0	03/01/2016	ND	219	109	200	10.3	

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 117 % 28-171

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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 if 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



Page 8 of 8

ANALYSIS REQUEST

changes to (c)

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.

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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: 03/04/2016
Reported: 03/07/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 03/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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
Reported: 03/07/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 03/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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
Benzene*	0.492	0.050	03/04/2016	ND	1.94	96.9	2.00	4.20	
Toluene*	4.86	0.050	03/04/2016	ND	1.89	94.5	2.00	5.36	
Ethylbenzene*	1.55	0.050	03/04/2016	ND	1.71	85.5	2.00	5.61	
Total Xylenes*	9.86	0.150	03/04/2016	ND	5.27	87.9	6.00	5.93	
Total BTEX	16.8	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
GRO C6-C10	208	10.0	03/04/2016	ND	190	95.0	200	5.89	
DRO >C10-C28	592	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

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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
Reported: 03/07/2016
Project Name: HOLLY STATION
Project Number: 702034.001.01
Project Location: NONE GIVEN

Sampling Date: 03/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.10	0.050	03/05/2016	ND	1.94	96.9	2.00	4.20	
Toluene*	4.24	0.050	03/05/2016	ND	1.89	94.5	2.00	5.36	
Ethylbenzene*	0.791	0.050	03/05/2016	ND	1.71	85.5	2.00	5.61	
Total Xylenes*	5.69	0.150	03/05/2016	ND	5.27	87.9	6.00	5.93	
Total BTX	11.8	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
GRO C6-C10	73.8	10.0	03/04/2016	ND	190	95.0	200	5.89	
DRO >C10-C28	84.3	10.0	03/04/2016	ND	206	103	200	6.70	

Surrogate: 1-Chlorooctane 96.4 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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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



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