



March 19, 2015

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

SAN ANTONIO
13111 Lookout Way
San Antonio, Texas 78233
Phone 210.265.8025
Fax 210.568.2191

Subject: **Remedial Activities and Closure Report**
Oxy Permian LTD
Indian Basin Station #128
2RP-2719

Dear Mr. Bratcher,

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform, soil assessment and remediation services at the above referenced location. The dirt work at this site was conducted by another company. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Incident Date

The release was discovered on January 5, 2015

Background Information

The Oxy Indian Basin Station #128 flowline release is located approximately thirty-two (32) miles south of Artesia, New Mexico. The legal location for this site is Section 19, Township 21 South, and Range 24 East in Eddy County New Mexico. More specifically the latitude and longitude for the release are 32.45915 North and -104.53451 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Ector stony loam with 0 to 9 percent slopes, eroded. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 90-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. The referenced ground water data is presented in [Appendix II](#).

The ranking for this site is **10** based on the following:

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

A leak developed on the 8-inch trunk line coming from the Indian Basin Station 128 going to the East Indian Basin Central Tank Battery (CTB). The leak caused a release of approximately 60bbls of produced water. The release its self was on the East Indian Basin CTB location. The fluid flowed from the release point down gradient to a lower location. The lower location had a lined and bermed tank battery. The fluid came off of the hill above and entered the lined battery. The fluid also flowed across the lower location for approximately 165-feet and down the lease road to the North for an additional 127-feet. A site plan illustrating the impacted area is attached in [Appendix I](#).

Talon mobilized personnel to conduct an initial site assessment and perform soil sampling within the impacted area. Due to the shallow soil profile in this area, refusal with a hand auger was encountered at a depth of 0.5-feet bgs.

Remedial Actions Taken

- The dirt work contractor excavated the impacted area in the vicinity of sample locations S-1, S-2, S-3, S-4, S-5, S-6 and S-8 to a depth of 0.5-feet bgs.
- The impacted area in the vicinity of sample location S-7 was excavated to a depth of 1-foot bgs.
- Once the excavation was complete, Talon was contacted to perform confirmation sampling at sample locations S-2, S-3, S-6, and S-7.
- Upon receipt of analytical data from the confirmation sampling, it was shown that all of the impacted soil above NMOCD RRAL's was removed the excavation was backfilled with caliche and contoured to match the surrounding location.

Laboratory Results (Confirmation Sampling)

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

S-2	0.5	--	--	ND	ND
S-3	0.5	--	--	ND	ND
S-6	0.5	--	--	ND	39.8
S-7	1	ND	--	ND	60.8

(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, and 1,000 mg/kg for TPH.

Closure

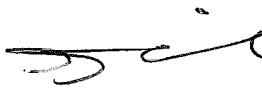
On behalf of Oxy Permian, LTD, we respectfully request that no further actions be required and that closure with respect to this release be granted.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

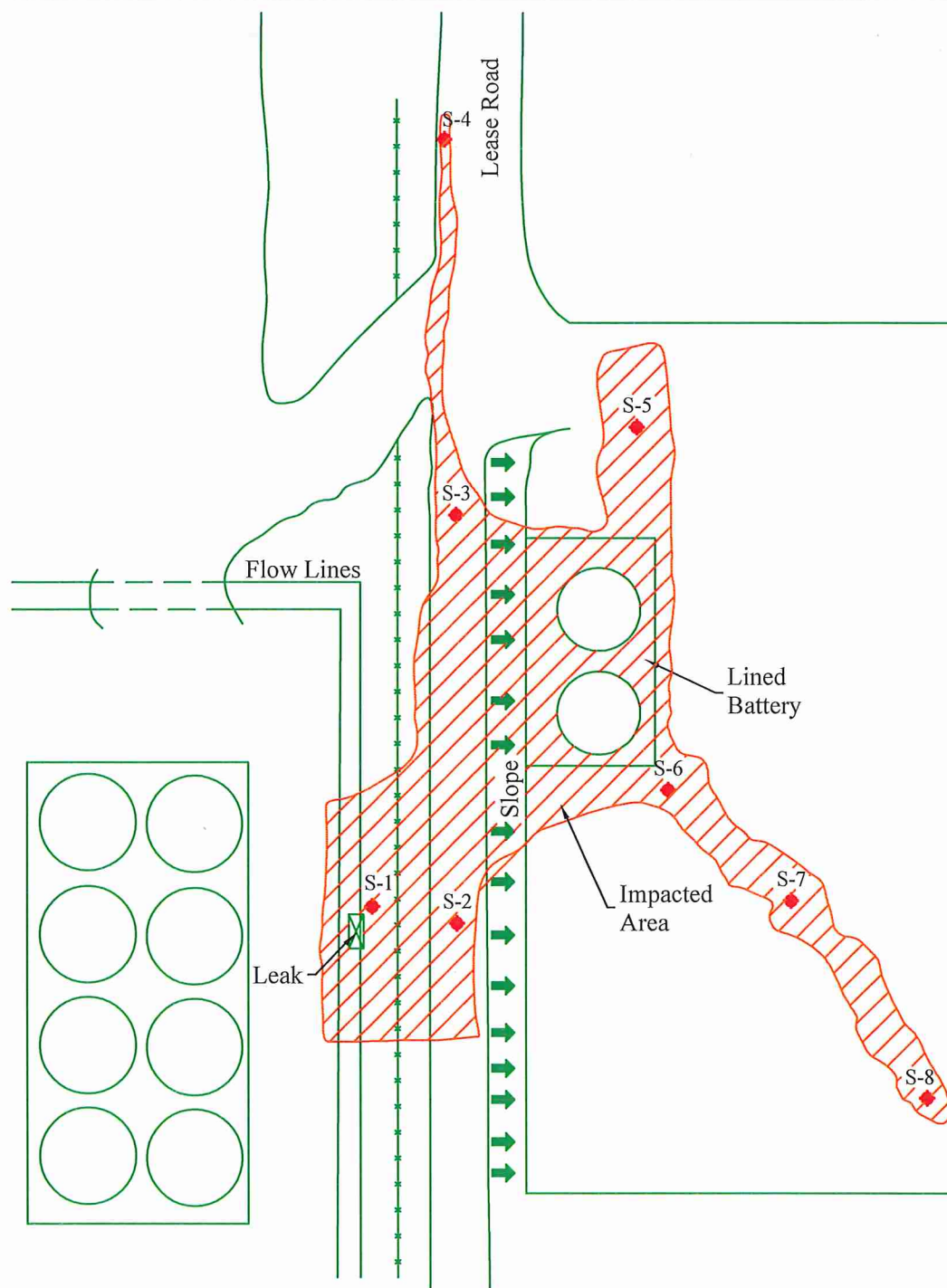
Respectfully submitted,

TALON/LPE

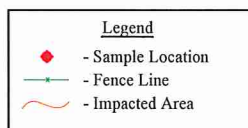

Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



0 25 50
Scale in Feet



Date: 01/12/2015

Scale: 1" = 50'

Drawn By: TJS

Indian Basin Station 128

Oxy - NM - North

Eddy County, New Mexico

Figure 1 - Site Plan

GROUNDWATER DATA

INITIAL C-141

&

Finial C-141



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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02701		ED		3	3	3	20	21S	24E	544393	3591373*	356	230	90	140

Average Depth to Water: 90 feet

Minimum Depth: 90 feet

Maximum Depth: 90 feet

Record Count: 1

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 544046

Northing (Y): 3591455

Radius: 1000

*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.

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 OXY USA INC	Contact Chris Jones	
Address 102 S. Main St. Carlsbad, NM 88220	Telephone No. 575-628-4121	
Facility Name Indian Basin Station 128	Facility Type Flowline	
Surface Owner BLM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section 19	Township 21S	Range 24E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
-------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.45915 Longitude -104.53451

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 60bbbs	Volume Recovered 0bbs
Source of Release Leak on 8" steel transfer line	Date and Hour of Occurrence 1/5/2015	Date and Hour of Discovery 1/5/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD	
By Whom? Kimberly Wilson-Talon/LPE	Date and Hour 1/8/2015	
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.*

There was a leak on the 8" trunk line coming from the Indian Basin Station 128 going to the East Indian Basin CTB. The leak caused a release of approximately 60bbbs of produced water. Talon/LPE mobilized personnel to conduct an initial site assessment and collect soil samples within the impacted area.

Describe Area Affected and Cleanup Action Taken.*

The leak was on the transfer line from the Indian Basin Station 128 but was contained to the East Indian Basin CTB location. Fluid from the release point flowed down gradient to a lower location. The lower location had a lined and bermed tank battery. The fluid came off of the hill and entered the lined battery. The fluid also flowed across the lower location for approximately 165-feet and down the lease road to the north for 127-feet. A site plan illustrating the impacted area will be attached with the completed 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.

OIL CONSERVATION DIVISION

Signature: **Chris Jones**
Digitally signed by Chris Jones
DN: cn=Chris Jones, o, ou,
email=ckjones888@yahoo.com, c=US
Date: 2015.01.08 13:24:19 -0600

Printed Name: Chris Jones

Title: HES Specialist

E-mail Address: Christopher.Jones@oxy.com

Date: 12/18/2015

Phone: 575-628-4121

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

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 OXY USA INC	Contact Chris Jones
Address 102 S. Main St. Carlsbad, NM 88220	Telephone No. 575-628-4121
Facility Name Indian Basin Station 128	Facility Type Flowline

Surface Owner BLM	Mineral Owner	API No.
-------------------	---------------	---------

LOCATION OF RELEASE

Unit Letter P	Section 19	Township 21S	Range 24E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude 32.45915 Longitude -104.53451

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 60bbbls	Volume Recovered 0bbls
Source of Release Leak on 8" steel transfer line	Date and Hour of Occurrence 1/5/2015	Date and Hour of Discovery 1/5/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD	
By Whom? Kimberly Wilson-Talon/LPE	Date and Hour 1/8/2015	
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.*

There was a leak on the 8" trunk line coming from the Indian Basin Station 128 going to the East Indian Basin CTB. The leak caused a release of approximately 60bbbls of produced water. Talon/LPE mobilized personnel to conduct an initial site assessment and collect soil samples within the impacted area. Upon receipt of analytical results from the initial soil sampling activities a work plan was drafted and subsequently approved by NMOCD and BLM.

Describe Area Affected and Cleanup Action Taken.*

The leak was on the transfer line from the Indian Basin Station 128 but was contained to the East Indian Basin CTB location. Fluid from the release point flowed down gradient to a lower location. The lower location had a lined and bermed tank battery. The fluid came off of the hill and entered the lined battery. The fluid also flowed across the lower location for approximately 165-feet and down the lease road to the north for 127-feet. The impacted area was excavated by an Oxy contractor to the parameters laid out in the approved work plan. Once the excavation was complete Talon was contacted to perform confirmation sampling at the location. Results from the confirmation sampling showed that the all of the soil above NMOCD RRAL's was removed. The excavation back backfilled and contoured to match the surrounding location.

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.

OIL CONSERVATION DIVISION

Signature: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones888@yahoo.com, c=US Date: 2015.03.20 15:20:41 -05'00'</small>	Approved by Environmental Specialist:	
Printed Name: Chris Jones	Approval Date:	Expiration Date:
Title: HES Specialist	Conditions of Approval:	
E-mail Address: Christopher.Jones@oxy.com	Attached <input type="checkbox"/>	
Date: 3/19/2015	Phone: 575-628-4121	

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



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

January 12, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: INDIAN BASIN STATION 128

Enclosed are the results of analyses for samples received by the laboratory on 01/07/15 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' REFUSAL (H500042-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.717	0.200	01/09/2015	ND	1.72	86.1	2.00	5.71	
Toluene*	15.7	0.200	01/09/2015	ND	1.69	84.6	2.00	7.04	
Ethylbenzene*	3.03	0.200	01/09/2015	ND	1.63	81.6	2.00	8.36	
Total Xylenes*	32.6	0.600	01/09/2015	ND	4.91	81.8	6.00	8.55	
Total BTX	52.0	1.20	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.4 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/08/2015	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	514	50.0	01/08/2015	ND	190	94.9	200	1.64	
DRO >C10-C28	326	50.0	01/08/2015	ND	177	88.5	200	0.912	

Surrogate: 1-Chlorooctane 98.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.1 % 52.1-176

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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H500042-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.298	0.200	01/09/2015	ND	1.72	86.1	2.00	5.71	
Toluene*	4.57	0.200	01/09/2015	ND	1.69	84.6	2.00	7.04	
Ethylbenzene*	1.65	0.200	01/09/2015	ND	1.63	81.6	2.00	8.36	
Total Xylenes*	23.0	0.600	01/09/2015	ND	4.91	81.8	6.00	8.55	
Total BTEX	29.5	1.20	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 102 % 61-154

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	01/08/2015	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	486	50.0	01/08/2015	ND	190	94.9	200	1.64	
DRO >C10-C28	3720	50.0	01/08/2015	ND	177	88.5	200	0.912	

Surrogate: 1-Chlorooctane 140 % 47.2-157

Surrogate: 1-Chlorooctadecane 144 % 52.1-176

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*—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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0.5' REFUSAL (H500042-03)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.311	0.050	01/09/2015	ND	1.72	86.1	2.00	5.71	
Toluene*	2.36	0.050	01/09/2015	ND	1.69	84.6	2.00	7.04	
Ethylbenzene*	0.555	0.050	01/09/2015	ND	1.63	81.6	2.00	8.36	
Total Xylenes*	7.74	0.150	01/09/2015	ND	4.91	81.8	6.00	8.55	
Total BTEX	11.0	0.300	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/08/2015	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	129	50.0	01/08/2015	ND	190	94.9	200	1.64	
DRO >C10-C28	1820	50.0	01/08/2015	ND	177	88.5	200	0.912	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0' (H500042-04)

BTEx 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/09/2015	ND	1.72	86.1	2.00	5.71	
Toluene*	11.7	0.500	01/09/2015	ND	1.69	84.6	2.00	7.04	
Ethylbenzene*	3.87	0.500	01/09/2015	ND	1.63	81.6	2.00	8.36	
Total Xylenes*	46.6	1.50	01/09/2015	ND	4.91	81.8	6.00	8.55	
Total BTEX	62.1	3.00	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.3 % 61-154

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	01/08/2015	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	889	50.0	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	6190	50.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 140 % 47.2-157

Surrogate: 1-Chlorooctadecane 165 % 52.1-176

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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0.5' REFUSAL (H500042-05)

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	01/09/2015	ND	1.72	86.1	2.00	5.71	
Toluene*	4.57	0.200	01/09/2015	ND	1.69	84.6	2.00	7.04	
Ethylbenzene*	1.18	0.200	01/09/2015	ND	1.63	81.6	2.00	8.36	
Total Xylenes*	14.1	0.600	01/09/2015	ND	4.91	81.8	6.00	8.55	
Total BTEX	19.8	1.20	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.7 % 61-154

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	01/08/2015	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	227	10.0	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	1340	10.0	01/08/2015	ND	159	79.5	200	10.8	

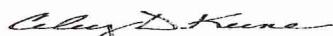
Surrogate: 1-Chlorooctane 94.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0' (H500042-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2015	ND	1.72	86.1	2.00	5.71		
Toluene*	<0.050	0.050	01/09/2015	ND	1.69	84.6	2.00	7.04		
Ethylbenzene*	<0.050	0.050	01/09/2015	ND	1.63	81.6	2.00	8.36		
Total Xylenes*	<0.150	0.150	01/09/2015	ND	4.91	81.8	6.00	8.55		
Total BTEX	<0.300	0.300	01/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 96.9 % 61-154

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	01/08/2015	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	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	<10.0	10.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 88.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.5 % 52.1-176

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Analytical Results For:

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

Received:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0.5' REFUSAL (H500042-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	0.163	0.050	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	<0.050	0.050	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	0.151	0.150	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTEX	0.314	0.300	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 61-154

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	01/08/2015	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	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	<10.0	10.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 87.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.2 % 52.1-176

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Analytical Results For:

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

Received:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-5 0' (H500042-08)

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	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	0.087	0.050	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	<0.050	0.050	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	<0.150	0.150	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	<0.300	0.300	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/08/2015	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	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	<10.0	10.0	01/08/2015	ND	159	79.5	200	10.8	


Surrogate: 1-Chlorooctane 87.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.2 % 52.1-176

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Analytical Results For:

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

Received: 01/07/2015
Reported: 01/12/2015
Project Name: INDIAN BASIN STATION 128
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/06/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-5 0.5' REFUSAL (H500042-09)

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	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	0.052	0.050	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	<0.050	0.050	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	<0.150	0.150	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	<0.300	0.300	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/08/2015	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	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	<10.0	10.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 85.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.0 % 52.1-176

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Analytical Results For:

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

Received:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 0' (H500042-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	10.8	2.00	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	4.93	2.00	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	70.4	6.00	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	86.2	12.0	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.5 % 61-154

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	01/08/2015	ND	416	104	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	2230	200	01/08/2015	ND	163	81.6	200	3.19		
DRO >C10-C28	17000	200	01/08/2015	ND	159	79.5	200	10.8		

Surrogate: 1-Chlorooctane 169 % 47.2-157

Surrogate: 1-Chlorooctadecane 389 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 0.5' REFUSAL (H500042-11)

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	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	1.52	0.200	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	1.30	0.200	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	20.2	0.600	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTEX	23.0	1.20	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 99.6 % 61-154

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	01/08/2015	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	271	10.0	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	1290	10.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-7 0' (H500042-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	12.7	1.00	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	5.69	1.00	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	76.8	3.00	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTEX	95.3	6.00	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/08/2015	ND	416	104	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	1640	200	01/08/2015	ND	163	81.6	200	3.19		
DRO >C10-C28	18400	200	01/08/2015	ND	159	79.5	200	10.8		


Surrogate: 1-Chlorooctane 155 % 47.2-157

Surrogate: 1-Chlorooctadecane 507 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-7 0.5' REFUSAL (H500042-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	20.3	0.500	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	6.38	0.500	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	74.1	1.50	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	101	3.00	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/08/2015	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	711	50.0	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	1180	50.0	01/08/2015	ND	159	79.5	200	10.8	

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-8 0' (H500042-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	<1.00	1.00	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	1.33	1.00	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	29.8	3.00	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	31.1	6.00	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 61-154

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	01/08/2015	ND	416	104	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	1820	100	01/08/2015	ND	163	81.6	200	3.19		
DRO >C10-C28	48500	100	01/08/2015	ND	159	79.5	200	10.8		

Surrogate: 1-Chlorooctane 272 % 47.2-157

Surrogate: 1-Chlorooctadecane 1210 % 52.1-176

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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:	01/07/2015	Sampling Date:	01/06/2015
Reported:	01/12/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-8 0.5' REFUSAL (H500042-15)

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	01/09/2015	ND	1.67	83.6	2.00	9.49	
Toluene*	<0.050	0.050	01/09/2015	ND	1.66	83.2	2.00	9.72	
Ethylbenzene*	<0.050	0.050	01/09/2015	ND	1.61	80.5	2.00	9.92	
Total Xylenes*	<0.150	0.150	01/09/2015	ND	4.89	81.5	6.00	10.2	
Total BTX	<0.300	0.300	01/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.7 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/08/2015	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	23.4	10.0	01/08/2015	ND	163	81.6	200	3.19	
DRO >C10-C28	388	10.0	01/08/2015	ND	159	79.5	200	10.8	


Surrogate: 1-Chlorooctane 91.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.8 % 52.1-176

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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.
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

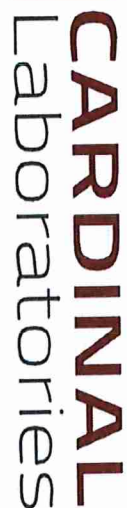
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: D. Adkins

Address: 408 W. Texas Ave.

City: Artesia **State:** NM **Zip:** 88210

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

Project #:

Project Name: Indian Basin Station 128

Project Location:

Sample Name: S. H. H. C. C. C.

FOR LAB USE ONLY

P.O. #:

Company: Talon/LPE

Attn: OX

Address:

City:

State: **Zip:**

Phone #:

Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TYPH	BTEx	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H50042	5-10' rcf ugal	G	1							11/6/15	12:47			
	5-20'	G	1								1:17			
	5-20' rcf ugal	G	1								1:19			
	5-30'	G	1								1:23			
	5-30' rcf ugal	G	1								1:25			
	5-40'	G	1								1:28			
	5-40' rcf ugal	G	1								1:30			
	5-50'	G	1								1:35			
	5-50' rcf ugal	G	1								1:37			
	5-60'	G	1								1:38			

Relinquished By: [Signature] **Received By:** [Signature]

Time: **Date:**

Delivered By: (Circle One) **Sample Condition:** Cool ☒ Intact ☐ **Checked By:** [Signature]

Sampler - UPS - Bus - Other:

REMARKS:

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

Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

PK10F2



Y620E2

(575) 393-2326 FAX (575) 393-2476

575) 393-2326
#54

March 02, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: INDIAN BASIN STATION 128

Enclosed are the results of analyses for samples received by the laboratory on 02/25/15 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/25/2015	Sampling Date:	02/20/2015
Reported:	03/02/2015	Sampling Type:	Soil
Project Name:	INDIAN BASIN STATION 128	Sampling Condition:	Cool & Intact
Project Number:	700608.388.01	Sample Received By:	Jodi Henson
Project Location:	28-21-24 EDDY COUNTY		

Sample ID: S-2 0.5' (H500549-01)

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	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	
Surrogate: 1-Chlorooctane	101 %	47.2-157							
Surrogate: 1-Chlorooctadecane	103 %	52.1-176							

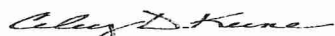
Sample ID: S-3 0.5' (H500549-02)

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	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	
Surrogate: 1-Chlorooctane	103 %	47.2-157							
Surrogate: 1-Chlorooctadecane	110 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 02/25/2015
Reported: 03/02/2015
Project Name: INDIAN BASIN STATION 128
Project Number: 700608.388.01
Project Location: 28-21-24 EDDY COUNTY

Sampling Date: 02/20/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

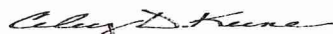
Sample ID: S-6 0.5' (H500549-03)

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	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	39.8	10.0	02/27/2015	ND	210	105	200	0.00906	
<hr/>									
Surrogate: 1-Chlorooctane	98.3 %	47.2-157							
Surrogate: 1-Chlorooctadecane	102 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 02/25/2015
 Reported: 03/02/2015
 Project Name: INDIAN BASIN STATION 128
 Project Number: 700608.388.01
 Project Location: 28-21-24 EDDY COUNTY

 Sampling Date: 02/20/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-7 1' (H500549-04)

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	03/02/2015	ND	1.92	96.0	2.00	5.92	
Toluene*	<0.050	0.050	03/02/2015	ND	1.77	88.7	2.00	4.73	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.98	99.1	2.00	6.84	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.33	88.9	6.00	8.22	
Total BTX	<0.300	0.300	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 61-154

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	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	60.8	10.0	02/27/2015	ND	210	105	200	0.00906	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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