

December 17, 2014

Mr. Mike Bratcher

ARTESIA

AMARILLO NMOCD District 2 921 North Bivins 811 S. 1st Street Artesia, NM 88210

Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

408 West Texas Ave.

Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905 Subject:

Remediation and Closure Report

Devon Energy Corporation

HB 10 Federal #1H

30-015-29157 2RP-2390

Dear Mr. Bratcher,

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

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

Fax 575.393.4658

Incident Date

July 20, 2014

Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Suite 10 Oklahoma City, Oklahoma 73116 Phone 405,486,7030 Fax 806.467.0622

The H B 10 Fed #1H is located approximately fifteen (15) miles southeast of Loving, New Mexico. The legal location for this site is Unit Letter H of Section 10, Township 23 South, and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the location are 32.234873278 North and -103.966670224 West.

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

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 Pajarito loamy fine sand with 0 to 3 percent slopes, eroded. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene Age eolian deposits. Drainage courses in this area are normally dry. Ground water in the project vicinity is greater than 220feet below ground surface (bgs), according to the New Mexico office of the State Engineer. No groundwater is shown within a radius of 5000 meters of this location. See groundwater data in Appendix II.

The ranking for this site is **0** Based on the following:

ENVIRONMENTAL CONSULTING

ENGINEERING

DRILLING

CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

Depth to ground water

>100'

Wellhead Protection Area Distance to surface water body >1000' >1000'

Page 1 of 3

Toll Free: 866,742,0742 www.talonlpe.com

Incident Description

On July 30, 2014 external corrosion on the circulating pump line caused a release of approximately 10 barrels of oil. No fluids were recovered. All of the oil was contained within the earthen berms of the battery. The oil flowed to the south from the area surrounding the circulating pump for approximately 100-feet along the west berm of the battery.

Talon completed a site assessment and the work plan was subsequently approved by the regulatory agencies.

Remedial Actions Taken

Pursuant to the approved work plan by the NMOCD and the BLM (see Appendix II) the impacted areas in the battery and under the steel flow lines were hand-excavated to the best extent reasonable, feasible and as safely as possible to a depth of 3-feet deep.

On November 20, 2014 confirmation samples were collected from the open excavation. The results are presented in Table 1. The contaminated soil was transported to Lea Land, LLC, an approved disposal facility.

On December 1, 2014 Talon personnel met Mike Bratcher at the NMOCD for approval to backfill. Mr. Bratcher approved sample point S-1 and S-2 for backfilling. At sample point S-3 and S-4, the NMOCD required an additional foot be excavated with confirmation samples taken.

Talon personnel returned to the location and hand-excavated an additional foot deep as directed by the NMOCD. On December 8, 2014 confirmation samples were obtained from sample point S-3 and S-4. The results are presented in Table 2.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B.

The excavated areas inside the berm were backfilled with new/clean caliche from Lea Land. See attached statement regarding Lea Land backfill in Appendix III. The area inside the tank battery was re-contoured to match the surrounding location.

Laboratory Results

See Appendix IV for complete report of laboratory results.

November 26, 2014

Table 1

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	3'	2.50		213	3220
S-2	3'	< 0.300		<10	11.3
S-3	3'	51.7		1070	8850
S-4	3'	74.4		574	4000

⁻⁻ Analyte Not Tested

December 10, 2014

Table 2

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-3	4'	< 0.300		<10	<10
S-4	4'	< 0.300		<10	812

⁻⁻ Analyte Not Tested

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

Closure

On behalf of Devon Energy, we respectfully request that no further actions be required and that closure with respect to these releases be granted. A Final C-141 is also attached in Appendix V.

Respectfully submitted,

TALON/LPE

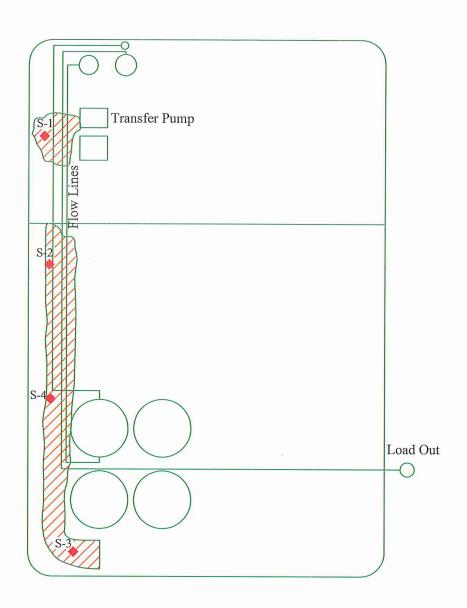
Kimberly M. Wilson Project Manager

David J. Adkins

District Manager

APPENDIX I

SITE MAP





<u>Legend</u>

◆ - Sample Location



Date: 12/17/2014

Scale: 1" = 20'

Drawn By: TJS

HB10 Fed #1H

Devon Energy Corporation Eddy County, New Mexico Figure 1 - Site Plan

APPENDIX II GROUNDWATER DATA REGULATOR'S STIPULATIONS



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

Sub-

QQQ

Depth Depth Water Distance Well Water Column

POD Number CT 01343 POD1 Code basin County 64 16 4 Sec Tws Rng

607676

2899

4 1 4 01 24N 29E

4022201

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 604919

Northing (Y): 4021302

Radius: 5000

Kimberly M. Wilson

From:

Kimberly M. Wilson

Sent:

Monday, November 10, 2014 1:53 PM

To:

Robertson, Jeffery

Cc:

'Singleton, Stacie'; David Adkins

Subject:

FW: H B 10 Federal #1H

Attachments:

image001.png; HB 10 Federal #1H work plan.pdf

Jeff please find attached the work plan for the above referenced release. We plan on starting this project tomorrow. I previously sent this to Mr. Amos and I don't have the approval from the BLM.

From: Patterson, Heather, EMNRD [mailto:Heather.Patterson@state.nm.us]

Sent: Friday, September 19, 2014 10:51 AM

To: Kimberly M. Wilson; Bratcher, Mike, EMNRD; Amos, James

Cc: Weidemann, Joah; Kidd, Tracy; David Adkins

Subject: RE: H B 10 Federal #1H

RE: Devon * H B 10 Fed #1H * 30-015-29157 * 2RP-2390

Ms. Wilson,

Your remediation plan is approved as written, but the OCD will need to review confirmation sample data before this site is backfilled. Based on the ChevronTexaco Trend map, we have reason to believe the depth to ground water is less than 100' for this site. Additional information from the OSE database suggests ground water could potentially be less than 50'. Target remediation goals need to be adjusted accordingly.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson Environmental Specialist NMOCD District II (575)748-1283 ext.101

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]

Sent: Wednesday, September 17, 2014 1:06 PM

To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; Amos, James

Cc: Weidemann, Joah; Kidd, Tracy; David Adkins

Subject: H B 10 Federal #1H

Please find attached the work plan for the above referenced release.

Thank you.

Kimberly M. Wilson

Project Manager

Kimberly M. Wilson

From: Sent: Robertson, Jeffery [jlrobertson@blm.gov] Monday, November 10, 2014 1:58 PM

To:

Kimberly M. Wilson

Subject:

Re: FW: H B 10 Federal #1H

This plain is approved but this office will need to see the conformation samples after the excavation and prior to approval of any back fill.

This plan is approved as written with these conditions of approval **This plan still needs to be approved by OCD.** BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and re mediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not re vegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

Thanks

Teffery L. Robertson

BLM-CFO

Natural Resource Specialist Office: 575-234-2230 Cell: 575-706-1920 jlrobertson@blm.gov

On Mon, Nov 10, 2014 at 1:52 PM, Kimberly M. Wilson < kwilson@talonlpe.com > wrote:

Jeff please find attached the work plan for the above referenced release. We plan on starting this project tomorrow. I previously sent this to Mr. Amos and I don't have the approval from the BLM.

From: Patterson, Heather, EMNRD [mailto: Heather.Patterson@state.nm.us]

Sent: Friday, September 19, 2014 10:51 AM

To: Kimberly M. Wilson; Bratcher, Mike, EMNRD; Amos, James

Cc: Weidemann, Joah; Kidd, Tracy; David Adkins

Subject: RE: H B 10 Federal #1H

RE: Devon * H B 10 Fed #1H * 30-015-29157 * 2RP-2390

APPENDIX III LEA LAND BACKFILL MATERIAL

LEA LAND, LLC

Purchase of Backfill Material

Lea Land's backfill material (caliche or top soil) is generated by excavation of the material from within the 640 acres owned by Lea Land, LLC. This material is native soil and, therefore, has never been treated. Backfill material is excavated as needed.

Analy Leel Saralyn Hall

Marketing Manager

APPENDIX IV LABORATORY RESULTS



November 26, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: H B 10 FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 11/20/14 13:29.

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 accreditated 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.

Lope S. Moreno

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,

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager



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

Received: Reported: 11/20/2014

11/26/2014

Project Name: Project Number: H B 10 FED #1H 700794.122.01

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-1 3' (H403571-01)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/25/2014	ND	1.80	89.8	2.00	6.95	
Toluene*	0.523	0.200	11/25/2014	ND	1.77	88.3	2.00	7.99	
Ethylbenzene*	<0.200	0.200	11/25/2014	ND	1.77	88.5	2.00	8.25	
Total Xylenes*	1.79	0.600	11/25/2014	ND	5.38	89.6	6.00	8.97	
Total BTEX	2.50	1.20	11/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 61-154							
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	213	10.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	3220	10.0	11/22/2014	ND	216	108	200	0.276	
Surrogate: 1-Chlorooctane	137	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	158	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Appe S. Moreno



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

Received:

11/20/2014

Reported:

11/26/2014

Project Name: Project Number: H B 10 FED #1H 700794.122.01

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-2 3' (H403571-02)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2014	ND	1.80	89.8	2.00	6.95	
Toluene*	<0.050	0.050	11/25/2014	ND	1.77	88.3	2.00	7.99	
Ethylbenzene*	<0.050	0.050	11/25/2014	ND	1.77	88.5	2.00	8.25	
Total Xylenes*	<0.150	0.150	11/25/2014	ND	5.38	89.6	6.00	8.97	
Total BTEX	<0.300	0.300	11/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.6	% 61-154							
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	11.3	10.0	11/22/2014	ND	216	108	200	0.276	
Surrogate: 1-Chlorooctane	118 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123 9	% 52.1-17	6						

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*=Accredited Analyte

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Abpe S. Moreno



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

Received:

11/20/2014

Reported:

11/26/2014

Project Name: Project Number: H B 10 FED #1H 700794.122.01

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-3 3' (H403571-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/25/2014	ND	1.75	87.7	2.00	5.86	
Toluene*	7.55	1.00	11/25/2014	ND	1.64	81.9	2.00	5.45	
Ethylbenzene*	6.52	1.00	11/25/2014	ND	1.56	78.0	2.00	5.73	
Total Xylenes*	37.3	3.00	11/25/2014	ND	4.70	78.3	6.00	5.86	
Total BTEX	51.7	6.00	11/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	123	% 61-154	1						
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1070	50.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	8850	50.0	11/22/2014	ND	216	108	200	0.276	
Surrogate: 1-Chloroctane	327	0/. 17.2.15	7						

Surrogate: 1-Chlorooctane327 %47.2-157Surrogate: 1-Chlorooctadecane229 %52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno



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

Received:

11/20/2014

Reported:

11/26/2014

Project Name:

H B 10 FED #1H

Project Number: Project Location: 700794.122.01

EDDY COUNTY, NM

Sampling Date:

11/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-4 3' (H403571-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.904	0.500	11/25/2014	ND	1.75	87.7	2.00	5.86	
Toluene*	15.1	0.500	11/25/2014	ND	1.64	81.9	2.00	5.45	
Ethylbenzene*	8.36	0.500	11/25/2014	ND	1.56	78.0	2.00	5.73	
Total Xylenes*	50.1	1.50	11/25/2014	ND	4.70	78.3	6.00	5.86	
Total BTEX	74.4	3.00	11/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	164 9	% 61-154	!						
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	574	10.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	4000	10.0	11/22/2014	ND	216	108	200	0.276	
Surrogate: 1-Chlorooctane	160 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	169 9	52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Abpe S. Moreno



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Jalon LAPE	
Project Manager: Him Wilson	P.O.#:
Address: 408 W. TEXAS	Company: Willy
City: AMLEQUE State: MM Zip: 88210	Attn:
275-7	Address:
Project #: 100 794, 122.0 Project Owner: Leven	City:
Project Name: HIS 10 THURSON THINH	State: Zip:
Project Location: Estay 144	Phone #:
Sampler Name: Kim WISON	Fax #:
MATRIX D.	PRESERV. SAMPLING
NERS VATER	
7	THER : CID/BASE E / COOL THER :
S-1 W	\
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 9:11
V-t 1	9:20
	1 4 4:35 0 1
those for negligence and any other ca final be liable for incidental or consequent out of or related to the performance of	tor tort, shall be limited to the amount paid by the client for the dreceived by Cardinal within 3D days after completion of the applicable loss of tuse, or loss of profits incurred by Cilent, its subsidiaries,
Received By:	Phone Result: Yes
[]	□ Yes □ No
Time:	
(Circle One)	ON CHECKED BY:
+ Confined No No No No No	5

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



December 10, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: H B 10 FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 12/09/14 13:57.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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



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

Received:

12/09/2014

Reported:

12/10/2014

Project Name: Project Number: H B 10 FED #1H 700794.122.01

Project Location:

EDDY COUNTY, NM

Sampling Date:

12/08/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S - 3 4' (H403754-01)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2014	ND	2.09	105	2.00	2.63	
Toluene*	<0.050	0.050	12/10/2014	ND	2.06	103	2.00	2.95	
Ethylbenzene*	<0.050	0.050	12/10/2014	ND	1.95	97.4	2.00	3.89	
Total Xylenes*	<0.150	0.150	12/10/2014	ND	5.88	98.1	6.00	4.40	
Total BTEX	<0.300	0.300	12/10/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 61-154							
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	<10.0	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	119	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane									

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*=Accredited Analyte

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Celey D. Keine



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

Received:

12/09/2014

Reported:

12/10/2014

151%

52.1-176

Project Name: Project Number: H B 10 FED #1H

Project Location:

700794.122.01 EDDY COUNTY, NM Sampling Date:

12/08/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S - 4 4' (H403754-02)

BTEX	8021B
-	

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2014	ND	2.09	105	2.00	2.63	
Toluene*	<0.050	0.050	12/10/2014	ND	2.06	103	2.00	2.95	
Ethylbenzene*	<0.050	0.050	12/10/2014	ND	1.95	97.4	2.00	3.89	
Total Xylenes*	<0.150	0.150	12/10/2014	ND	5.88	98.1	6.00	4.40	
Total BTEX	<0.300	0.300	12/10/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	812	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	119 9	% 47.2-15	7						

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Surrogate: 1-Chlorooctadecane

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Celeg & Kreene

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 SM4500CI-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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Yes No Add'l Phone #:	i.	1:	5	
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	the amount paid by the client for the hin 30 days after completion of the applicable	all be deemed valved unless made in writing and received by Cardinal with	anayses. At cleams including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without imitation, business informations and received by Cardinal within 30 days after completion of the applicable	inalyses. A
		Vior any claim arising whether based in appropriate to the shall be invested by	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cidin arising Whether based in contract or the shall be included.	LEASE NO
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	1	R		
	SAMPLING	MATRIX PRESERV.	FOR LAB USE ONLY	TORL
		Fax#:	Sampler Name: Him Wilsom	Samp
		Phone #:	Project Location: H-10-23-29	Proje
	Zip:	State:	Project Name: HB 10 Hall #1	Proje
		decion	Project #: 708294, 122, 6/ Project Owner:	Proje
		Fax #: 575-746-8905 Address:	Phone #: 575-746-8768 Fax #: 5	Phon
		State: NM zip: 88210 Attn:		City:
	holan	Company:	Address: 408 W. Texas Ave.	Addr
		P.O. #:	Project Manager: 7 m Wilson	Proje
ANALYSIS REQUEST			Company Name: I alon/LPE	1

260

Sample Condition
Cool Infact
Pres Yes

By: Wircle One)

APPENDIX V

FINAL C-141