

March 10, 2016

AMARILLO 921 North Bivins

921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622 Mr. Jamie Keyes NMOCD District I 1625 N. French Dr. Hobbs, NM 88240

ARTESIA

408 West Texas Avenue Artesia, New Mexico 88210 Phone 575.746.8768

Subject:

Soil Assessment and Remediation Work Plan

Devon Energy

Bilbrey 33 Federal Com #3H 30-025-41806 1RP-4011

FORT COLLINS

1811 East Mulberry Street Fort Collins, Colorado Phone 970.818.5330

Dear Mr. Keyes,

MIDLAND

2301 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

OKLAHOMA CITY

7700 North Hudson Avenue Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030

Incident Date

December 3, 2015

SAN ANTONIO

13111 Lookout Way San Antonio, Texas 78233 Phone 210.265.8025 **Background Information**

WOODWARD 1211 34th Street Suite 13 Woodward, Oklahoma 73801

Phone 580.377.1194

The Bilbrey 33 Federal Com #3H is located approximately forty-one (41) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 33 Township 21 South and Range 32 East in Lea County, New Mexico. More specifically, the latitude and longitude for the release are 32.43509 North and -103.67555 West. See site map attached in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Services, the soil in this area is made up of Pyote and Maljamar fine sands. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian sands and piedmont deposits. Drainage courses in this area are normally dry. Ground water in the project vicinity is greater than 200' according to the Chevron Texaco Water Trend map. No groundwater data is provided by the New Mexico Office of the State Engineers office. See Appendix II for the referenced groundwater data.

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

The ranking for this site is 0 based on the following:

Toll Free 866.742.0742 www.talonlpe.com Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Incident Description

On December 2, 2015 the flow line between the heater treater and water knock-out tank corroded causing a release of 12.5 barrels of mixed fluids inside the battery. A vac truck was called to the location and recovered 11.5 barrel of mixed fluids. See the site plan in Appendix I.

Actions Taken

Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger. Laboratory results from the soil sampling event are summarized in the table below.

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 chloride samples were analyzed per Method SM4500Cl-B.

Laboratory Results

See Appendix III for complete report of laboratory results.

January 29, 2016

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|-----------|--------------|-----------------|----------------------|--------------------|--------------------|
| S-1 | 0' | 9.89 | 64 | 195 | 1770 |
| | 1' | < 0.300 | 3280 | <10 | 46.2 |
| | 2' | < 0.300 | 128 | <10 | <10 |
| | 3' | < 0.300 | 64 | <10 | 16.5 |
| S-2 | 0' | < 0.300 | 32 | <10 | 432 |
| | 1' | < 0.300 | 96 | <10 | 696 |
| S-3 | 0' | 7.35 | <16 | 281 | 2930 |
| | 1' | < 0.300 | 240 | <10 | 168 |
| | 2' | < 0.300 | 128 | <10 | <10 |

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH. The chloride standard is considered to be 1,000 mg/kg.

Proposed Remedial Actions

- Based on the depth to groundwater (greater than 200-feet), it is unlikely that the impacts identified from this release will pose a threat to groundwater after proposed remediation activities are complete.
- The only impacted area above the RRAL's is sample point S-1. This area is within the battery around the heater treater, water knock-out and under the steel flow lines.
- Therefore Devon Energy would like to request deferral of clean up until Facility closure.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE

Kimberly M. Wilson

Project Manager

David J. Adkins District Manager

APPENDIX I SITE MAP



Project Correspondence Sheet

| | tal 86 | onlpe.com 6.742.0742 | ☐ Field ☐ Office ☐ Reimbursement ☐ Proposal ☐ OK ☐ NM ☐ TX ☐ Other |
|---------|---------------------------------|--|--|
| Date: | Tay tag | Time: | Project Manager: |
| Project | Number: | The programmer and | |
| Project | Name: | Bilbrey 33 Fed # 3H Map Congested area | ina a sa |
| Topic: | Site | Мар | |
| Notes: | Devy | Congested area | |
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APPENDIX II GROUNDWATER DATA INITIAL 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

Sub-

QQQ

Х Ү

DistanceDepthWellDepthWaterColumn

POD Number C 03717 POD1 Code basin County 6416 4 Sec Tws Rng
C LE 4 4 1 09 22S 32E

624094

3586365

35 650

Average Depth to Water:

Deptil to water.

Minimum Depth:

Water

Maximum Depth:

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 624630

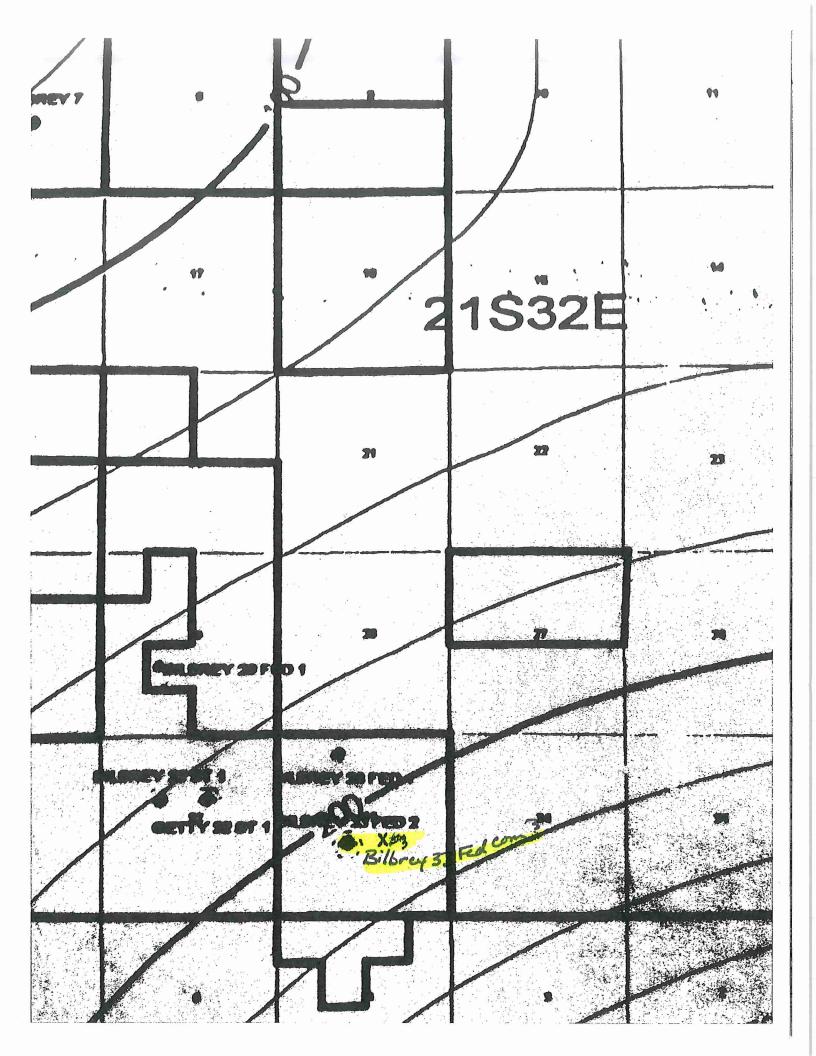
Northing (Y): 3588946

Radius: 5000

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.

1/18/17 7:44 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

Energy Minerals and Natural

State of New Mexi By JKeyes at 12:29 pm, Dec 11, 2015

RECEIVED

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

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

Release Notification and Corrective Action

| | | | ILCIC | ase I wille | | | | | tial Danast Danast | | | | |
|--|--|---|--|--|-------------------------------------|---|--|---|---|--|--|--|--|
| Nama of Co | mnany D | evon Energy | , Product | ion Company | | OPERATOR | | | | | | | |
| Address 64 | | | | | | | No. 575-513-94 | | Sman | | | | |
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| Unit Letter J | Section 33 | Township 21S | Range 32E | Feet from the 2600 | | South Line South | Feet from the 1350 | East/West Line East | County Lea | | | | |
| | | | Latitude | e: 32.4350951 N | ſ | Loi | ngitude: 103.67 | 755529 W | | | | | |
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| Type of Rele | ase Produ | iced Water Re | elease | | | | Release 12 BBL | | e Recovered 11 BBLS PW & .5 | | | | |
| Source of Re | Jasa Wate | r line | | | | | vater & .5 BBL of Hour of Occurre | | nd Hour of Discovery | | | | |
| Source of Ice | icase water | i iiio | | | | 12/3/2015 | | | 15 3:00pm | | | | |
| Was Immedi | iate Notice | | | lar 🗆 aran | | If YES, To | | | | | | | |
| | | | Yes | No Not Re | equirea | Jim Amos Kelly Jone | | | | | | | |
| By Whom? J | Jim Huerta, | Assistant Pro | duction Fo | oreman | | Date and l | Hour | | | | | | |
| | | | | | | BLM 12/10/15 @ 11:16 am OCD 12/10/15 @ 11:23 am | | | | | | | |
| Was a Water | rcourse Re | ached? | | | | | olume Impacting | the Watercour | se | | | | |
| | | | Yes 🗵 | No | | N/A | | | | | | | |
| If a Waterco | ourse was I | mpacted, Des | scribe Ful | ly.* | | | | | | | | | |
| Produced war | ter was rele | | ter line du | | | ucing to this | line were immedi | ately shut in to p | revent further release. Clamp was | | | | |
| 12 BBLS of precovered via | produced was vacuum tr | uck. Produced | BL of oil w I water rele | as released affect | om the w | ater line run | ately 40' x 20'. 1 ning between the | 1 BBLS of produ heater treater and | nced water and .5 BBL of oil was I water knockout. All released | | | | |
| regulations a public health should their cor the environ | Il operators or the envi operations h nment. In a | are required to ronment. The nave failed to | to report and acceptant adequately DCD accep | nd/or file certain rece of a C-141 report investigate and re | elease no ort by the emediate | otifications a NMOCD m contaminati | nd perform correct arked as "Final R on that pose a thre | tive actions for a eport" does not a eat to ground wa | releases which may endanger elieve the operator of liability ter, surface water, human health compliance with any other | | | | |
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| Signature: 30 | wwg | allegos-T | rouvie | iew | | | | Janut | 2/110 | | | | |
| Printed Name | e: Sarah Ga | llegos-Troubl | efield | | | Approved by | Environmental S | pecialist: | | | | | |
| Title: Field A | Admin Supp | ort | | | | Approval Da | te:12/11/2015 | 02/11/2016 on Date: | | | | | |
| E-mail Addre | ess: Sarah.C | Gallegos-Trou | blefield@e | dvn.com | | Conditions o | f Approval: | | Attached | | | | |
| Date: 12/10/2 | 2015 | P | hone: 575. | 748.1864 | | | amples required. | 1RP 4011 | | | | | |
| Attach Addi | | | | | | remediate per NMOCD guidelines. nJXK1534544732 Geotagged photos recommended. pJXK1534544888 | | | | | | | |

APPENDIX III LABORATORY RESULTS



January 29, 2016

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILBREY 33 FED #3H

Enclosed are the results of analyses for samples received by the laboratory on 01/27/16 8:50.

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.qov/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.

Celey D. Keine

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:

01/27/2016

Sampling Date:

01/21/2016

Reported:

Soil

01/29/2016

Sampling Type:

Cool & Intact

Project Name:

BILBREY 33 FED #3H 700794.185.01

Sampling Condition: Sample Received By:

Jodi Henson

Project Number: Project Location:

LEA COUNTY, NM

Sample ID: S-1 0' (H600186-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | 0.513 | 0.100 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | 1.50 | 0.100 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | 7.88 | 0.300 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | 9.89 | 0.600 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 195 | 50.0 | 01/28/2016 | ND | 196 | 98.0 | 200 | 2.06 | |
| DRO >C10-C28 | 1770 | 50.0 | 01/28/2016 | ND | 186 | 93.1 | 200 | 0.909 | |
| Surrogate: 1-Chlorooctane | 105 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 28-171 | ! | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celley D. Keene



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

Received:

01/27/2016

Sampling Date:

01/21/2016

Reported:

01/29/2016

Sampling Type:

Soil

Project Name:

BILBREY 33 FED #3H

Sampling Condition:

Cool & Intact

Project Number: Project Location: 700794.185.01 LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: S-1 1' (H600186-02)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 102 % | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3280 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 196 | 98.0 | 200 | 2.06 | |
| DRO >C10-C28 | 46.2 | 10.0 | 01/28/2016 | ND | 186 | 93,1 | 200 | 0.909 | |
| Surrogate: 1-Chlorooctane | 85.8 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.0 | % 28-171 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

01/27/2016

Sampling Date:

01/21/2016

Reported:

01/29/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name: Project Number: BILBREY 33 FED #3H

Sample Received By:

Jodi Henson

Project Location:

700794.185.01 LEA COUNTY, NM

Sample ID: S-1 2' (H600186-03)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 104 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 196 | 98.0 | 200 | 2.06 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/28/2016 | ND | 186 | 93.1 | 200 | 0.909 | |
| Surrogate: 1-Chlorooctane | 70.8 | % 35-147 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.4 | % 28-171 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg to treene



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

Received: 01/27/2016 Reported: 01/29/2016

Project Name: BILBREY 33 FED #3H
Project Number: 700794,185.01

Project Location: LEA COUNTY, NM

Sampling Date:

Sample Received By:

01/21/2016

Sampling Type: Soil

Sampling Condition:

Cool & Intact

Jodi Henson

Sample ID: S-1 3' (H600186-04)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 103 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| | | | | 0.000 | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 01/28/2016 | ND | 196 | 98.0 | 200 | 2.06 | |
| GRO C6-C10 DRO >C10-C28 | <10.0 16.5 | 10.0 10.0 | 01/28/2016 01/28/2016 | ND ND | 196 186 | 98.0 93.1 | 200 | 0.909 | |
| | | 10.0 | 01/28/2016 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



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

Received:

01/27/2016

01/21/2016

Reported:

01/29/2016

Sampling Date: Sampling Type:

Soil

Project Name:

BILBREY 33 FED #3H

Sampling Condition:

Cool & Intact

Project Number:

700794.185.01

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: S-2 0' (H600186-05)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 102 9 | 6 73.6-14 | o | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 196 | 98.0 | 200 | 2.06 | |
| DRO >C10-C28 | 432 | 10.0 | 01/28/2016 | ND | 186 | 93.1 | 200 | 0.909 | |
| Surrogate: 1-Chlorooctane | 77.8 | % 35-147 | t. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.4 | % 28-171 | | | | | | | |

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

Received:

01/27/2016

Sampling Date:

01/21/2016

Reported:

01/29/2016

Sampling Type:

Soil

Project Name:

BILBREY 33 FED #3H

Sampling Condition:

Cool & Intact

Project Number:

700794.185.01

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: S-2 1' (H600186-06)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | 0.222 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 101 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 206 | 103 | 200 | 0.896 | |
| DRO >C10-C28 | 696 | 10.0 | 01/28/2016 | ND | 204 | 102 | 200 | 1.18 | |
| Surrogate: 1-Chlorooctane | 81.5 | % 35-147 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.5 | % 28-171 | | | | | | | |

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

Γ

Received: 01/27/2016 Reported: 01/29/2016

Project Name: BILBREY 33 FED #3H
Project Number: 700794,185.01

Project Location: LEA COUNTY, NM

Sampling Date:

01/21/2016

Sampling Type: S

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: S-3 0' (H600186-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.100 | 0.100 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | 0.977 | 0.100 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | 6.38 | 0.300 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | 7.35 | 0.600 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 127 9 | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 281 | 50.0 | 01/28/2016 | ND | 206 | 103 | 200 | 0.896 | |
| DRO >C10-C28 | 2930 | 50.0 | 01/28/2016 | ND | 204 | 102 | 200 | 1.18 | |
| Surrogate: 1-Chlorooctane | 122 9 | 6 35-147 | <u> </u> | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 9 | 6 28-171 | | | | | | | |

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Received:

01/27/2016

01/29/2016

Sampling Date:

01/21/2016

Reported:

Sampling Type:

Soil

Project Name:

BILBREY 33 FED #3H

Sampling Condition:

Cool & Intact

Project Number:

700794.185.01

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: S-3 1' (H600186-08)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 102 % | % 73.6-14 | 0 | | | G | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | nalyzed By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 206 | 103 | 200 | 0.896 | |
| DRO >C10-C28 | 168 | 10.0 | 01/28/2016 | ND | 204 | 102 | 200 | 1.18 | |
| Surrogate: 1-Chlorooctane | 78.2 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.9 | % 28-171 | | | | | | | |

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Received:

01/27/2016

Sampling Date:

01/21/2016

Reported:

01/29/2016

Sampling Type:

Soil

Project Name:

BILBREY 33 FED #3H

Sampling Condition:

Cool & Intact

Project Number: Project Location: 700794.185.01 LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: S-3 2' (H600186-09)

| 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 | 01/29/2016 | ND | 2.13 | 106 | 2.00 | 1.33 | |
| Toluene* | <0.050 | 0.050 | 01/29/2016 | ND | 2.07 | 104 | 2.00 | 0.869 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2016 | ND | 1.88 | 94.1 | 2.00 | 0.807 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2016 | ND | 5.65 | 94.2 | 6.00 | 0.907 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 107 % | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/27/2016 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/28/2016 | ND | 206 | 103 | 200 | 0.896 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/28/2016 | ND | 204 | 102 | 200 | 1.18 | |
| Surrogate: 1-Chlorooctane | 77.65 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 28-171 | | | | | | | |

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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. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| 101 East Marland, Hobbs, NW 88240 | |
|--|--|
| (575) 393-2326 FAX (575) 393-2476 | SILE 6 ANALYSIS NEWSCO. |
| Company Name: Talon/LPE | DO # |
| roject Manager: 1, mber / m wilson | Talon/I DE |
| N. Texas Ave. | Company: alolu |
| State: NM | C |
| Phone #: 575-746-8768 Fax #: 575-746-8905 | |
| of Project Ov | Zin: |
| me: Rilb | |
| in: | Fax#: |
| Sampler Name: Simblilson | MATRIX PRESERV SAMPLING |
| OMP. | R |
| Lab I.D. Sample I.D. | IDGE HER: D/BASE: :/COOL HER: |
| - Contractor | GRAWA SO OII SL. OT AC |
| 5-10' | K |
| 7 1-5 6 | / / 24:5/ |
| 25-12 | 7 / 54:21 |
| 4 5-1 3/ | 12:50 |
| 5 5-2 0' | 12:54 |
| 6 5-2 / | 7 000 |
| 5-301 | 7 7 705 |
| 8 5.3 1 | |
| 9 5-3 2 | |
| or eace Note: Libbilly and Damages. Cardinal's liabilly and clearits exclusive ramonly for any claim aciding whether based in contract or tort, shall be limited in the amount place of the completion of the comp | in asistig whether based in contract or tort, shall be limited to the amount place by the customer of the applicable in asistig whether based in contract or tort, shall within 30 days after completion of the applicable of white and the contract of the contract of the applicable of white and the contract of the contract of the applicable of the applicab |
| analyses. All claims including those for heighteness as """ or "" | analyses. All claims including those for insignations with way were. analyses. All claims including those for insignations with a second seco |
| Relinquished By: | REMARKS: |
| Time: | Machine |
| Date:73116 | Regeived by: |
| - | Sample Condition CHECKED BY: |
| | Cool may yes |
| Sampler - UPS - Bus - Other: 4. A | No No No |
| † Cardinal cannot accept verbal changes. Please fax written changes | ax written clianges # 554 |

16,