

District I  
1025 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 **HOBBS OCD**  
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.  
**JUL 23 2014**

**Release Notification and Corrective Action** **RECEIVED**

**OPERATOR**

Initial Report  XX Final Report

Name of Company: Conoco Phillips Company	Contact: Jesse A. Sosa
Address: 3300 N. A St. Building 6 #247 Midland TX 79705	Telephone No. 505-391-3126
Facility Name: State E Well #2	Facility Type: Oil
Surface Owner: New Mexico	Mineral Owner: BLM
API No. 3002508936	

**LOCATION OF RELEASE**

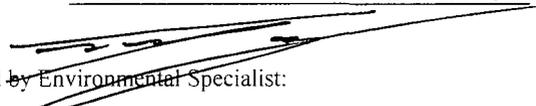
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	17	22S	36E	1980	South	660	East	Lea

Latitude 32 23.399 Longitude 103 16.852

**NATURE OF RELEASE**

Type of Release Brine Water	Volume of Release: 70 bbl	Volume Recovered: 60 bbl
Source of Release: Well Head	Date and Hour of Occurrence: 11/4/11	Date and Hour of Discovery: 11/4/11
Was Immediate Notice Given? Required	XX <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? NMOCD
By Whom? Sean Robinson	Date and Hour 11/4/11 4:30 PM	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A
If a Watercourse was Impacted, Describe Fully.*  N/A		
Describe Cause of Problem and Remedial Action Taken.*  Casing failure - Lease was shut in and flow ceased.		
Describe Area Affected and Cleanup Action Taken.*  Affected area was 12' X 300' all on caliche pad and road. See attached for Closure report.		

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.

Signature: <i>Sean Robinson</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: SEAN ROBINSON		
Title: OPERATIONS SUPERVISOR	Approved by Environmental Specialist:	Approval Date: 7-23-14
E-mail Address: Sean.T.Robinson@cop.com	Expiration Date: _____	Conditions of Approval: site samples provided
Date: 7/2/14 Phone: 575-390-8873	Attached <input type="checkbox"/>	area delineated & remediated

\* Attach Additional Sheets If Necessary

RRP 7-14-3195  
Ogrid 217817  
NTO 1420 454261  
PTO 1420  
**JUL 23 2014**

# State E #2

(Located in Section-17 Township 22S Range 36E)

HOBBS OCD

JUL 23 2014

RECEIVED

## Site Closure Report

Presented to:

**ConocoPhillips**  
**HC 60, Box 66**  
**Lovington, NM 88260**

Prepared By:



Diamondback Disposal Services, Inc.  
PO Box 2491  
Hobbs, NM 88241

## **Introduction**

This report presents the results of remediation activities at the State E #2. The site is located in Section 17, Township 22S, Range 36E in Lea County, New Mexico. Impacted areas are owned by New Mexico State Land Department. Diamondback Disposal Services, Inc. (Diamondback) was contacted January 18, 2012 by Mr. Justin Wright, of Conoco Phillips Inc, to perform the delineation and remediation activities at the spill site. The delineation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations. The following sections present: an overview, corrective action, and conclusion of all remediation work performed on site.

## **Overview**

The spill site is located mostly on COPC location with a little ponding on state lease land consisting of good grass, prairie, or range lands. Approximately 70 bbls of produced water was lost, with approximately 60 bbls being recovered from the use of a vacuum truck. Approximately 4,050 square feet of Location was impacted as well as 400 square feet of Pasture land. The depth to groundwater in the area is estimated to be greater than 300' below ground surface (BGS) based on the information, reviewed at the NMOCD office in Hobbs, NM. The potential contaminants of concern are mid to high-level Chlorides that were lost due to a well casing failure.

## **Corrective Action**

Diamondback Disposal Services excavated 10 feet below ground surface throughout the spill area, generating approximately 3,400 cubic yards of impacted material. Impacted material was then loaded and transported, with manifest, to Sundance Services, Parabo Facility near Eunice, NM. Confirmation samples were then collected, packaged, and shipped to Cardinal Laboratories for third party confirmation that all NMOCD guidelines had been met (see attached analytical). With approval of NMOCD (see attached), 2' of clay material was imported and placed in bottom of excavation with moisture and wheel roll compaction. Clean granular fill was then imported and placed in excavation and crowned at top, in a manner to shed rain water. Well had been previously plugged so location was reclaimed and entire site was seeded with BLM #2 seed mix.

## **Conclusions**

Approximately 3,440 cy of impacted material was hauled to State approved disposal facility. Approximately 2,681 cy of clean fill was imported to backfill excavation. Diamondback feels this method of excavating source contaminants, and installing of barrier, will significantly reduce migration of impacted material through the vadose zone therefore leaving the site in a manner that will pose very little if any future environmental threat.

December 19, 2012

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: STATE E #2

Enclosed are the results of analyses for samples received by the laboratory on 12/18/12 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

*approved*

*Stephany Lekins*  
Environmental Specialist

NMOC D - DIST 1

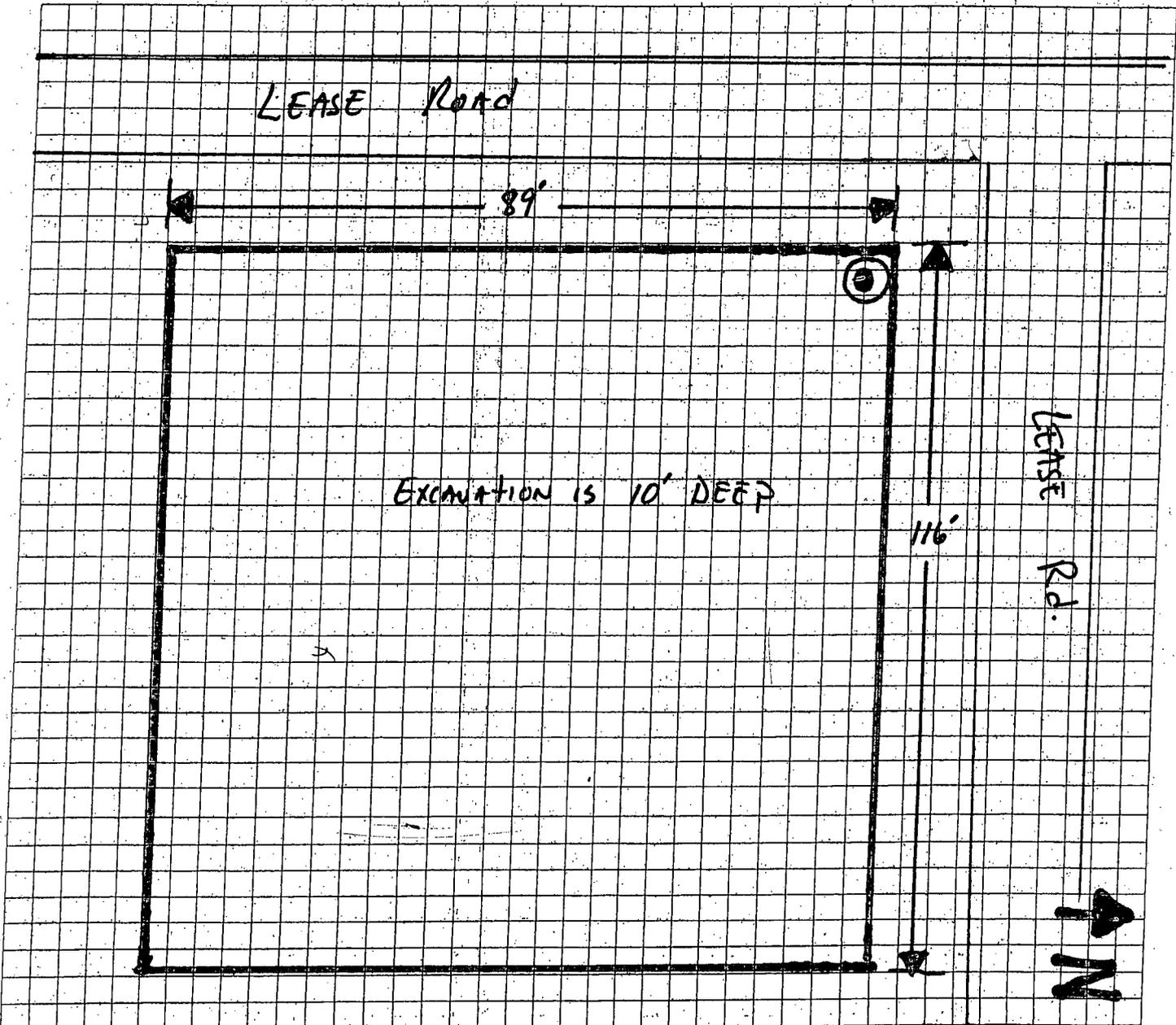
Emplace 2' clay liner  
and backfill

12/31/12

# EXCAVATION PLAN

- X Railroad crossing
- Power Pole
- ⊙ Wellhead
- =○= Power Line
- ~FL~ Flow Line
- /////// Fence Line
- ||| Bridge
- ≡≡≡ Water
- ...W... Water line
- C-- Cable Line
- Dig Zone
- ↑ North Direction

Search Zone Perimeter - White  
Electrical - Red  
Drainage/Sewers - Green  
Communication - Orange  
Temporary Survey Markings - Pink  
Potable Water - Blue  
SWD - Light Blue



December 19, 2012

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: STATE E #2

Enclosed are the results of analyses for samples received by the laboratory on 12/18/12 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

 Received: 12/18/2012  
 Reported: 12/19/2012  
 Project Name: STATE E #2  
 Project Number: NONE GIVEN  
 Project Location: EUNICE, NM

 Sampling Date: 12/12/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: NORTH WALL (H203036-01)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2012	ND	1.60	80.2	2.00	15.9		
Toluene*	<0.050	0.050	12/18/2012	ND	1.75	87.6	2.00	16.2		
Ethylbenzene*	<0.050	0.050	12/18/2012	ND	1.69	84.6	2.00	17.2		
Total Xylenes*	<0.150	0.150	12/18/2012	ND	5.12	85.3	6.00	16.5		
Total BTEX	<0.300	0.300	12/18/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 89.4-126

Chloride, SM4500C1-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/18/2012	ND	432	108	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	12/18/2012	ND	198	98.8	200	4.22		
DRO >C10-C28	13.5	10.0	12/18/2012	ND	215	108	200	6.87		

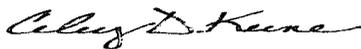
Surrogate: 1-Chlorooctane 81.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	12/18/2012	Sampling Date:	12/12/2012
Reported:	12/19/2012	Sampling Type:	Soil
Project Name:	STATE E #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

**Sample ID: WEST WALL (H203036-02)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2012	ND	1.60	80.2	2.00	15.9		
Toluene*	<0.050	0.050	12/18/2012	ND	1.75	87.6	2.00	16.2		
Ethylbenzene*	<0.050	0.050	12/18/2012	ND	1.69	84.6	2.00	17.2		
Total Xylenes*	<0.150	0.150	12/18/2012	ND	5.12	85.3	6.00	16.5		
Total BTEX	<0.300	0.300	12/18/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/18/2012	ND	432	108	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	12/18/2012	ND	198	98.8	200	4.22		
DRO >C10-C28	<10.0	10.0	12/18/2012	ND	215	108	200	6.87		

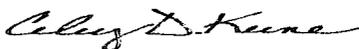
Surrogate: 1-Chlorooctane 74.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.6 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	12/18/2012	Sampling Date:	12/12/2012
Reported:	12/19/2012	Sampling Type:	Soil
Project Name:	STATE E #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

**Sample ID: SOUTH WALL (H203036-03)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2012	ND	1.60	80.2	2.00	15.9		
Toluene*	<0.050	0.050	12/18/2012	ND	1.75	87.6	2.00	16.2		
Ethylbenzene*	<0.050	0.050	12/18/2012	ND	1.69	84.6	2.00	17.2		
Total Xylenes*	<0.150	0.150	12/18/2012	ND	5.12	85.3	6.00	16.5		
Total BTEX	<0.300	0.300	12/18/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/18/2012	ND	432	108	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	12/18/2012	ND	198	98.8	200	4.22		
DRO >C10-C28	<10.0	10.0	12/18/2012	ND	215	108	200	6.87		

Surrogate: 1-Chlorooctane 78.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.9 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	12/18/2012	Sampling Date:	12/12/2012
Reported:	12/19/2012	Sampling Type:	Soil
Project Name:	STATE E #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

**Sample ID: EAST WALL (H203036-04)**

BTEX 80218		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2012	ND	1.60	80.2	2.00	15.9		
Toluene*	<0.050	0.050	12/18/2012	ND	1.75	87.6	2.00	16.2		
Ethylbenzene*	<0.050	0.050	12/18/2012	ND	1.69	84.6	2.00	17.2		
Total Xylenes*	<0.150	0.150	12/18/2012	ND	5.12	85.3	6.00	16.5		
Total BTEX	<0.300	0.300	12/18/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 117 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/18/2012	ND	432	108	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	12/18/2012	ND	198	98.8	200	4.22		
DRO >C10-C28	<10.0	10.0	12/18/2012	ND	215	108	200	6.87		

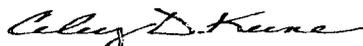
Surrogate: 1-Chlorooctane 77.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.5 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

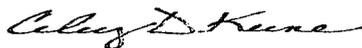
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager

