



CONOCOPHILLIPS

P.O. Box 2197
Houston, TX 77252-2197
Phone 281.293.1000

Lockhart A-35 Battery (1RP-4077)

Corrective Action Plan

Release Date: January 5th, 2016

Unit Letter B, Section 35, Township 21S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 6th, 2016

Jamie Keyes

Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

**RE: Corrective Action Plan
ConocoPhillips Lockhart A-35 Battery (1RP-4077)
UL/B sec. 35 T21S R37E**

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 1.5 miles east of Eunice, New Mexico at UL/B sec. 35 T21S R37E. NM OSE and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 44 +/- feet.

On January 5th, 2016, CoP discovered a release from an out of service vessel had leaked due to the circulating pump being left in service. A total of 9 barrels of oil was released over 10,686 sq ft of caliche pad and lease road. 9 barrels of fluid was recovered. CoP scraped the road six inches and exported soil to an approved NMOCD facility and imported caliche to backfill road. NMOCD was notified of the release on January 6th, 2016, and an initial C-141 was submitted the same day. NMOCD approved the initial C-141 on January 6th, 2016 (Appendix A).

Basin personnel were on site to assess the release January 6th, 2016. The release was mapped and photographed (Figure 1). On April 28th, 2016, 1 sample was collected in the road scrape and sent to a commercial laboratory for analysis (Appendix B). Laboratory analysis of Point 1 at 6" (six inches) returned a chloride value, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect.

Photo Documentation of these activities may be found in Appendix C.

Corrective Action Plan

Based on the assessment, the release around point 3 will be excavated down to 1 ft bgs and the area around point 4 will be excavated down to 2 ft bgs. Representative wall samples will be taken to a commercial laboratory to confirm that all constituents are below regulatory standards. There are buried and surface lines and heater treater and separator running throughout the release. To provide for the safety of people and equipment at the site, the excavation will remain a safe distance away from the buried and surface lines.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche. The site will be contoured to the surrounding location.

Once these activities have been completed, a report will be sent to NMOCD and BLM requesting 'remediation termination' and site closure.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in black ink, reading "Kyle Norman", followed by a horizontal line.

Kyle Norman
Project Lead
Basin Environmental Service Technologies
(575) 942-8542

Attachments:

- Figure 1 – Proposed Scrape
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation

Figures

Initial Sampling

	Cl-	PID	GRO	DRO	B	T	E	X	Total
Point 1 @ 6 "	<16	6.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3



CONOCOPHILLIPS LOCKHART A-35 BATTERY

1RP-4077

UL B & C SECTION 35
T-21-S R-37-E
LEA COUNTY, NM

Underground facilities are
spatially projected
and need to be field verified.

GPS: 32.439263 -103.133379

0 25 50
Feet

GPS date: 1/6/16 KN, 4/28/16 JK
Drawing date: 4/29/16
Drafted by: T. Grieco



Appendix A

Intial C-141

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

RECEIVED

By JKeyes at 3:32 pm, Jan 06, 2016

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: ConocoPhillips	Contact: Jose A Zepeda
Address: 1410 N West County Road	Telephone No. 575-391-3165
Facility Name: Lockhart A-35 Battery	Facility Type: Battery

Surface Owner: Federal Lease 032096A	Mineral Owner: N/A	API No.
--------------------------------------	--------------------	---------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	35	21S	37E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 9.0	Volume Recovered: 9.0
Source of Release: Vessel	Date and Hour of Occurrence 01/05/2016 1630	Date and Hour of Discovery SAME
Was Immediate Notice Given? No Answer <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jamie Keyes	
By Whom? Jose A Zepeda	Date and Hour: 01/06/16 1500 Emailed	
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.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*
ENV – Agency Courtesy Call – MCBU – Permian – 9.0 bbl. Oil – Lockhart A35 Battery – Hobbs – RR2 – On January 05, 2016 at 1630 MST at Lockhart A35 Battery, MSO discovered an out of service vessel had leaked due to the circulating pump being left in service, resulting in a release of 9 bbl. of oil with 9 bbl. being recovered. Immediate action was to shut down the circulation pump. Spill site will be remediated in place according to NMOCD guidelines

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: JOSE A ZEPEDA		OIL CONSERVATION DIVISION	
Printed Name: Jose A Zepeda		Approved by Environmental Specialist: <i>Jamie Keyes</i>	
Title: LEAD HSE		Approval Date: 01/06/2016	Expiration Date: 03/06/2016
E-mail Address: Jose. A. Zepeda@conocophillips.com		Conditions of Approval: Discrete site samples required. Delineate and remediate per NMOCD guidelines. Geotagged photos of remediation recommended. Ensure BLM concurrence/ approval.	
Date: 01/06/16 Phone: 575-391-3158		Attached <input type="checkbox"/> IRP 4077	

* Attach Additional Sheets If Necessary

nJXK1600655552
pJXK1600655667

Appendix B

Laboratory Analysis

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



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

May 04, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOCKHART A-35 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/03/16 9:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 KYLE NORMAN
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	05/03/2016	Sampling Date:	04/28/2016
Reported:	05/04/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ 6" (H600949-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2016	ND	1.86	93.1	2.00	0.855	
Toluene*	<0.050	0.050	05/03/2016	ND	1.81	90.4	2.00	0.203	
Ethylbenzene*	<0.050	0.050	05/03/2016	ND	1.65	82.6	2.00	0.769	
Total Xylenes*	<0.150	0.150	05/03/2016	ND	5.09	84.8	6.00	0.424	
Total BTX	<0.300	0.300	05/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/03/2016	ND	400	100	400	3.92	

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	05/03/2016	ND	217	109	200	0.447	
DRO >C10-C28	<10.0	10.0	05/03/2016	ND	233	117	200	4.52	

Surrogate: 1-Chlorooctane 87.3 % 35-147

Surrogate: 1-Chlorooctadecane 81.7 % 28-171

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

ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Rush
CHAIN

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix C

Photo Documentation

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Conoco Phillips Lockhart A-35 Battery (1RP-4077)
Unit B, Section 35, T-21-S, R-37-E



Initial release, facing south west 1/6/2016



Initial release, facing north 1/6/2016



Initial release, facing east south east 1/6/2016



Scraping road, facing east 1/6/2016



Scraping road, facing south 1/6/2016



Road backfilled, facing west 4/28/2016

Initial Sampling



Landowner:

DGW: 44 ft

GPS: 32.439263 -103.133379



**CONOCOPHILLIPS
LOCKHART A-35
BATTERY**

IRP-4077

UL B & C SECTION 35
T-21-S R-37-E
LEA COUNTY, NM

Underground facilities are
spatially projected
and need to be field verified.

0 25 50
Feet

GPS date: 1/6/16 KN, 4/28/16 JK
5/11/16 JK
Drawing date: 5/12/16
Drafted by: M. Grieco





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

May 12, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOCKHART A-35 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/11/16 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/11/2016
Reported: 05/12/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 6" (H601039-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	0.214	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTX	<0.300	0.300	05/12/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	17.0	10.0	05/12/2016	ND	187	93.6	200	9.01	

Surrogate: 1-Chlorooctane 88.4 % 35-147

Surrogate: 1-Chlorooctadecane 91.6 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/11/2016
Reported: 05/12/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 6" (H601039-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTX	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	44.3	10.0	05/12/2016	ND	187	93.6	200	9.01	

Surrogate: 1-Chlorooctane 83.2 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/11/2016	Sampling Date:	05/10/2016
Reported:	05/12/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ 6" (H601039-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTX	<0.300	0.300	05/12/2016	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	214	10.0	05/12/2016	ND	187	93.6	200	9.01	

Surrogate: 1-Chlorooctane 87.2 % 35-147

Surrogate: 1-Chlorooctadecane 98.6 % 28-171

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

May 13, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOCKHART A-35 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/13/16 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/13/2016	Sampling Date:	05/10/2016
Reported:	05/13/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ 7' (H601054-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/13/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/13/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/13/2016	ND	5.58	92.9	6.00	2.20	
Total BTX	<0.300	0.300	05/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/13/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/13/2016	ND	198	98.8	200	0.224	
DRO >C10-C28	<10.0	10.0	05/13/2016	ND	211	106	200	1.81	

Surrogate: 1-Chlorooctane 70.1 % 35-147

Surrogate: 1-Chlorooctadecane 90.9 % 28-171

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

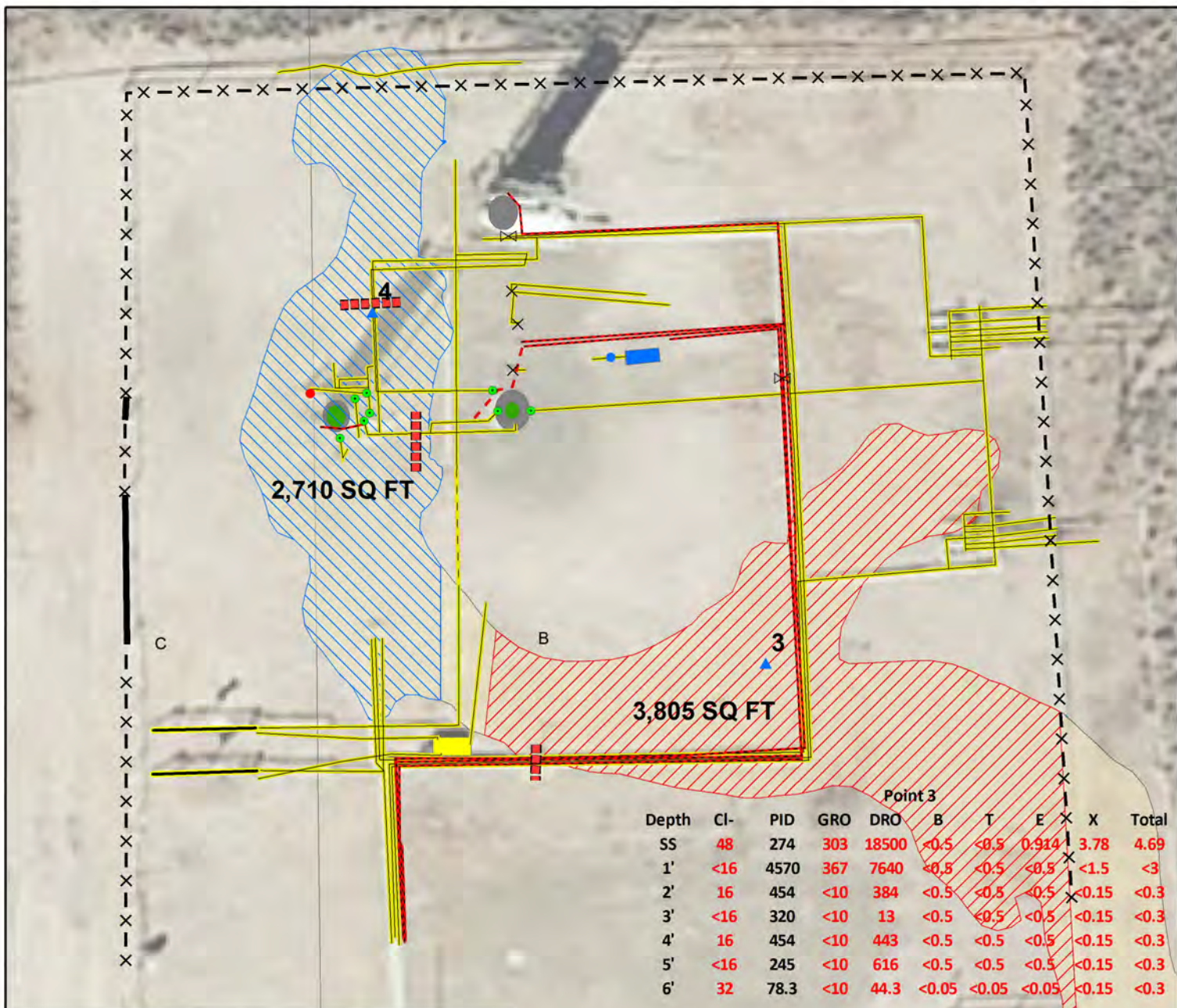
Cardinal Laboratories

*=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



Point 3

Depth	CI-	PID	GRO	DRO	B	T	E	X	Total
SS	48	274	303	18500	<0.5	<0.5	0.914	3.78	4.69
1'	<16	4570	367	7640	<0.5	<0.5	<0.5	<1.5	<3
2'	16	454	<10	384	<0.5	<0.5	<0.5	<0.15	<0.3
3'	<16	320	<10	13	<0.5	<0.5	<0.5	<0.15	<0.3
4'	16	454	<10	443	<0.5	<0.5	<0.5	<0.15	<0.3
5'	<16	245	<10	616	<0.5	<0.5	<0.5	<0.15	<0.3
6'	32	78.3	<10	44.3	<0.05	<0.05	<0.05	<0.15	<0.3

Point 4

Depth	CI-	PID	GRO	DRO	B	T	E	X	Total
SS	96	274	293	15700	<0.05	0.29	1.21	5.51	7.01
1'	<16	5000	<100	4000	<0.05	<0.05	0.101	0.247	0.348
2'	<16	5000	70.5	4470	<0.05	<0.05	0.13	0.376	0.507
3'	<16	851	<10	140	<0.05	<0.05	<0.05	<0.15	<0.3
4'	16	201	<10	30.8	<0.05	<0.05	<0.05	<0.15	<0.3
5'	<16	153	<10	653	<0.05	<0.05	<0.05	<0.15	<0.3
6'	<16	69.1	<10	214	<0.05	<0.05	<0.05	<0.15	<0.3
7'	176	58	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

- Legend**
- VALVE
 - DRYER
 - FILTER
 - PIPE END
 - VERTICAL PIPE
 - POINT
 - BURIED ELECTRIC
 - BURIED PIPELINE
 - CROSSOVER
 - FENCE
 - GATE
 - RISER
 - SURFACE ELECTRIC
 - SURFACE PIPELINE
 - PROPOSED 1 FT EXCAVATION
 - PROPOSED 2 FT EXCAVATION
 - COMPRESSOR
 - CONCRETE BASE
 - CONTAINMENT
 - TREATER
 - STAIN - 10,686 SQ FT

DGW: 44 ft



CONOCOPHILLIPS LOCKHART A-35 BATTERY

1RP-4077

UL B & C SECTION 35
T-21-S R-37-E
LEA COUNTY, NM

**Underground facilities are
spatially projected
and need to be field verified.**

GPS: 32.439263 -103.133379

0 10 20
Feet

GPS date: 1/6/16 KN, 4/28/16 JK
5/11/16 JK, 5/23/16 TG

Drawing date: 5/24/16
Drafted by: T. Grieco



May 24, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOCKHART A-35 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/23/16 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ SURFACE (H601120-01)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.500	0.500	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.914	0.500	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	3.78	1.50	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTX	4.69	3.00	05/24/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/24/2016	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	303	100	05/23/2016	ND	201	100	200	1.84	QR-03	
DRO >C10-C28	18500	100	05/23/2016	ND	208	104	200	3.18	QM-07	

Surrogate: 1-Chlorooctane 124 % 35-147

Surrogate: 1-Chlorooctadecane 592 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ 1' (H601120-02)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.500	0.500	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.500	0.500	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<1.50	1.50	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<3.00	3.00	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	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	367	100	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	7640	100	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 153 % 35-147

Surrogate: 1-Chlorooctadecane 203 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 2' (H601120-03)

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	05/24/2016	ND	2.18	109	2.00	1.22		
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883		
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738		
Total BTEX	<0.300	0.300	05/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	384	10.0	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 126 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ 3' (H601120-04)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTX	<0.300	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	13.0	10.0	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 92.5 % 35-147

Surrogate: 1-Chlorooctadecane 93.9 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 4' (H601120-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	443	10.0	05/24/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 136 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 5' (H601120-06)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	616	10.0	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 87.3 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ SURFACE (H601120-07)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	0.290	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	1.21	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	5.51	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTX	7.01	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/24/2016	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	293	100	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	15700	100	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 114 % 35-147

Surrogate: 1-Chlorooctadecane 519 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ 1' (H601120-08)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.101	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	0.247	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	0.348	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	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	<100	100	05/23/2016	ND	201	100	200	1.84		
DRO >C10-C28	4000	100	05/23/2016	ND	208	104	200	3.18		

Surrogate: 1-Chlorooctane 97.9 % 35-147

Surrogate: 1-Chlorooctadecane 178 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ 2' (H601120-09)

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	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.130	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	0.376	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	0.507	0.300	05/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.5	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	4470	10.0	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 164 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 4 @ 3' (H601120-10)

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	05/24/2016	ND	2.18	109	2.00	1.22		
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883		
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738		
Total BTEX	<0.300	0.300	05/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	140	10.0	05/23/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 81.3 % 35-147

Surrogate: 1-Chlorooctadecane 95.8 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 4 @ 4' (H601120-11)

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	05/24/2016	ND	2.18	109	2.00	1.22		
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883		
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738		
Total BTEX	<0.300	0.300	05/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	30.8	10.0	05/24/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 81.4 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 05/23/2016
Reported: 05/24/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/10/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 4 @ 5' (H601120-12)

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	05/24/2016	ND	2.18	109	2.00	1.22		
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883		
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738		
Total BTEX	<0.300	0.300	05/24/2016	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	653	10.0	05/24/2016	ND	208	104	200	3.18	

Surrogate: 1-Chlorooctane 84.2 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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

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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

CONOCOPHILLIPS LOCKHART A-35 BATTERY

Unit B & C, Section 35, T21S, R37E



Stain around treater, facing south-southwest 5/23/16



Stain around pipes facing north 5/23/16



Stain around pipes, facing northeast 5/23/16



Stain around treater, facing southeast 5/23/16

Conoco Phillips Lockhart A-35 Battery (1RP-4077)
Unit B, Section 35, T-21-S, R-37-E



Initial release, facing south west 1/6/2016



Initial release, facing north 1/6/2016



Initial release, facing east south east 1/6/2016



Scraping road, facing east 1/6/2016



Scraping road, facing south 1/6/2016



Road backfilled, facing west 4/28/2016



Delineating Site, Facing SW 5/10/16



Hand Digging In Facility, Facing NW 5/27/16



Exporting Soil, Facing SW 6/2/16



Excavating Leak Area, Facing NW 6/2/16



Final Excavation Photo, Facing N 6/2/16



Final Excavation Photo, Facing E 6/2/16



Final Excavation Photo, Facing NW 6/2/16

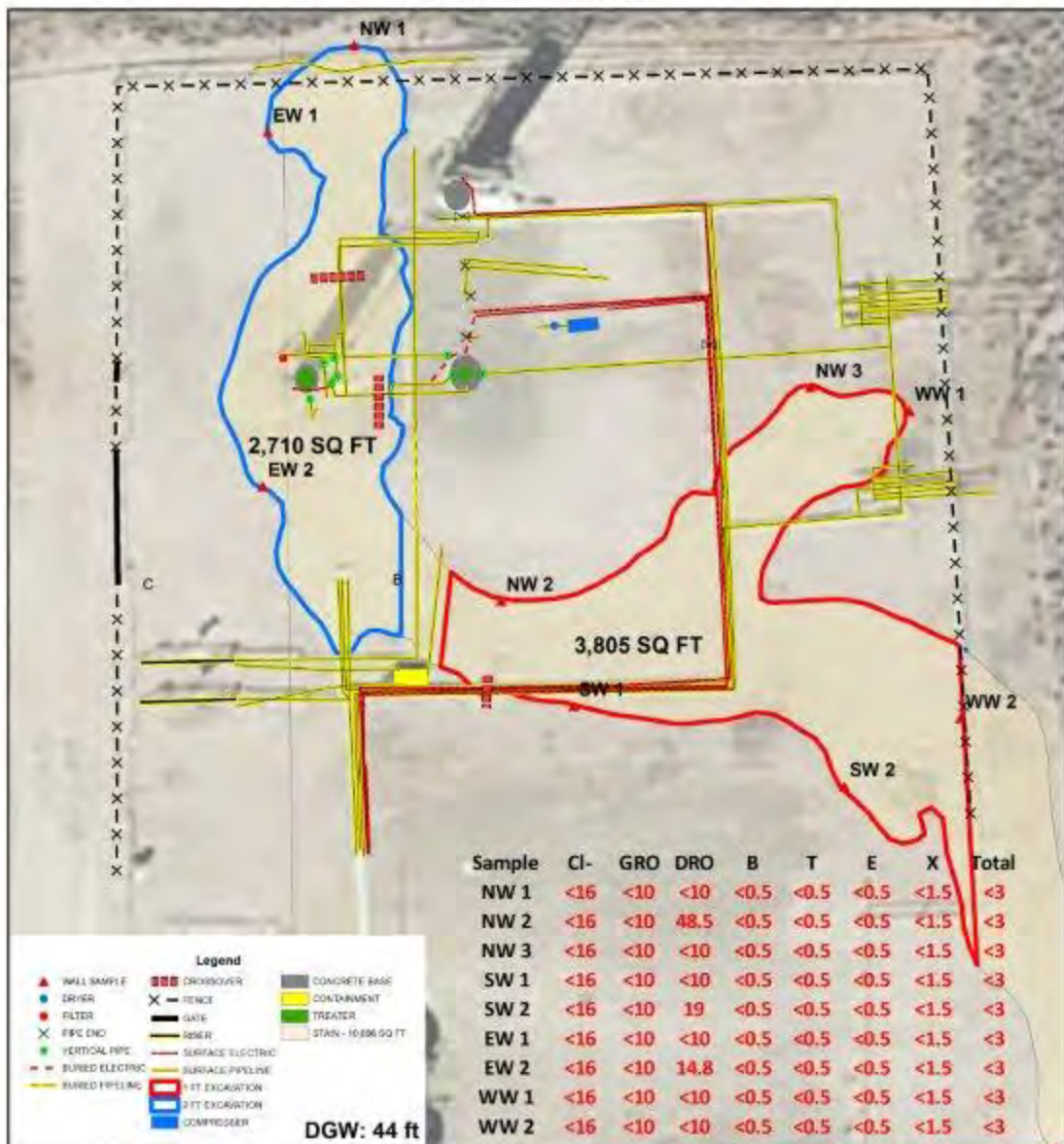


Importing Soil, Facing S 6/6/16



Backfilling Excavation, Facing SE 6/6/16

Excavation



CONOCOPHILLIPS LOCKHART A-35 BATTERY IRP-4077

UL B & C SECTION 35
T-21-S R-37-E
LEA COUNTY, NM

Underground facilities are
spatially projected
and need to be field verified.

GPS: 32.439263 -103.133379

0 10 20
Feet

GPS date: 1/6/16 KN, 4/28/16 JK

5/11/16 JK, 5/23/16 TG

Drawing date: 6/3/16

Drafted by: T. Greco



June 03, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOCKHART A-35 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/02/16 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NW 1 (H601204-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTX	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 73.6 % 35-147

Surrogate: 1-Chlorooctadecane 83.2 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: NW 2 (H601204-02)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	48.5	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 65.3 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NW 3 (H601204-03)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEx	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 65.8 % 35-147

Surrogate: 1-Chlorooctadecane 87.2 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW 1 (H601204-04)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348		
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426		
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271		
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347		
Total BTEx	<0.300	0.300	06/03/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 77.7 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SW 2 (H601204-05)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEx	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	19.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 69.8 % 35-147

Surrogate: 1-Chlorooctadecane 93.8 % 28-171

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:

 Basin Environmental Service
 KYLE NORMAN
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 06/02/2016
 Reported: 06/03/2016
 Project Name: LOCKHART A-35 BATTERY
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 06/02/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EW 1 (H601204-06)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEx	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 77.3 % 35-147

Surrogate: 1-Chlorooctadecane 93.1 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EW 2 (H601204-07)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEx	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	14.8	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 79.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.3 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WW 1 (H601204-08)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEx	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 77.8 % 35-147

Surrogate: 1-Chlorooctadecane 95.0 % 28-171

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:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 06/02/2016
Reported: 06/03/2016
Project Name: LOCKHART A-35 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/02/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WW 1 (H601204-09)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	

Surrogate: 1-Chlorooctane 80.7 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Rush!!
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Kyle Norman		Company: Basin					
Address: 419 W Cain		Attn:					
City: Hobbs		Address: 419 W Cain					
Phone #: 575-393-2967		State: NM Zip: 88240					
Fax #: 575-393-0293		City: Hobbs					
Project #:		State: NM Zip: 88240					
Project Name:		Phone #: 575-393-2967					
Project Location: Lockhart A-35		Fax #: 575-393-0293					
Sampler Name: J. Sample		PRESERV		SAMPLING			
FOR LAB USE ONLY							
Lab I.D. H1601204	Sample I.D.	(G)RAB OR (C)OMP.		DATE		TIME	
		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
1	NW1	6	1	6-2-16	9:00	Chlorides	
2	NW2	6	1		9:10	TPH 8015 M	
3	NW3	6	1		9:20	BTEX	
4	SW1	6	1		9:30	Texas TPH	
5	SW2	6	1		9:40	Complete Cations/Anions	
6	EW1	6	1		9:50	TDS	
7	EW2	6	1		10:00		
8	NW1	6	1		10:10		
9	NW2	6	1		10:20		

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 the client for the analyses. All claims, including those for negligence and any other cause, shall be waived 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 consequential damages, including without limitation, business interruption, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6/2/16	Time: 12:35	Received By: J. Sample	Sample Condition: Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (initials)
Relinquished By:	Date:	Time:	Received By:	Sample Condition: Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (initials)

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: ☐ -1.1.12

email results: knorman@basineny.com; jkamlain@basineny.com

REMARKS:

Rush!!

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 April 3, 2017

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 ConocoPhillips	Contact Jose A Zepeda
Address 1410 N West Country Road	Telephone No. 575-391-3165
Facility Name Lockhart A-35 Battery	Facility Type Battery

Surface Owner Federal Lease 032096A	Mineral Owner	API No.
-------------------------------------	---------------	---------

LOCATION OF RELEASE

Unit Letter B	Section 35	Township 21S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude_ 32°26'21.10"N_ Longitude_ 103° 8'1.06"W_ NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release 9 bbl	Volume Recovered 9 bbl
Source of Release Vessel	Date and Hour of Occurrence 01/05/2016	Date and Hour of Discovery 01/05/2016
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jamie Keys	
By Whom? Jose Zepeda	Date and Hour 01/06/2016 1500 (via email)	
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.*

ENV- Agency Courtesy Call-MCBU- Permian – 9.0 bbl. Oil –Lockhart A-35 Battery- Hobbs- RR2- On January 05, 2016 at 1630 MST at Lockhart A-35 Battery, MSO discovered an out of service vessel had leaked due to the circulating pump being left in service. Resulting in a release of 9 bbl of oil with 9 bbl being recovered. Immediate action was to shut down the circulation pump. Spill site will be remediated in place according to NMOCD guidelines.


Describe Area Affected and Cleanup Action Taken.*

Basin personnel were on site to assess the release January 6th, 2016. The release was mapped and photographed. On April 28th, 2016, 1 sample was collected in the road scrape and sent to a commercial laboratory for analysis. Laboratory analysis of Point 1 at 6" (six inches) returned a chloride value, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect.

A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on May 6th, 2016. The CAP suggested that the leak are be scraped down 6" bgs and the area within the facility be addressed at site abandonment. On May 9th, 2016 NMOCD requested further delineation of site. On May 10th, 2016 Basin used hand augur to collect samples with depth from pt.2, pt.3 & pt.4. Representative samples from all points were taken to a 3rd party laboratory for analysis. Pt.2 @6" returned a chloride value of <16 mg/kg, GRO of <16 mg/kg, DRO of 17 mg/kg and a BTEX of <0.3 mg/kg. Pt.3 @6' returned a chloride value of 32 mg/kg, GRO <10 mg/kg, DRO of 44.3 mg/kg, and a BTEX of <0.3 mg/kg. Pt.4 @7' returned a chloride value of 176 mg/kg, GRO/DRO of <10 mg/kg, and a BTEX of <0.3 mg/kg. On May 16th, 2016 the CAP was resubmitted along with the lab data for the further delineation. On May 20th, 2016 NMOCD denied the CAP. On May 25th, 2016 after meeting with NMOCD an Addendum to the CAP was submitted to NMOCD and BLM. The Addendum stated that the area around Pt.3 would be excavated to 1' bgs and the area around Pt.4 would be excavated to a depth of 2' bgs, and representative wall samples would taken to a commercial laboratory to confirm all constituents are below regulatory standard.

On May 27th, 2016 work began on site. The area around Pt.3 was excavated to a depth of 1' bgs and the area around Pt.4 was excavated to a depth of 2' bgs. Approximately 340 yards was exported to a NMOCD approved facility for disposal. Wall samples were collected from the excavation and taken to a commercial laboratory for analysis. All wall samples returned a chloride, GRO/DRO and BTEX result below regulatory standards. On June 3rd, 2016 a request to backfill along with the lab data for the wall samples was sent to NMOCD and BLM. Basin received approval from NMOCD and BLM on June 8th, 2016. Approximately 340 yards caliche was imported to site for backfill. Site was backfilled with clean caliche and contoured to the surrounding area.

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.

		<u>OIL CONSERVATION DIVISION</u>	
Signature:		Approved by Environmental Specialist:	
Printed Name: Wendy S. Acosta Quintero			
Title: Environmental Coordinator		Approval Date:	Expiration Date:
E-mail Address: wendy.acostaquintero@cop.com		Conditions of Approval:	
Date: 9/7/2017 Phone: 432-688-9162		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary