



P.O. Box 2587 • Hobbs, NM 88241 • Phone: (575) 397-4961 • todd@trinityoilfieldservices.com

November 11, 2015

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210

RE: Corrective Action Plan

Mewbourne Oil Co. - Zircon Compressor Facility/State HL #1
N-1-19S-29E 660FSL 1980 FWL
API No. 30-015-23065
2RP-3009

Doc,

Trinity Oilfield Services is requesting closure of 2RP-3009 on behalf of Mewbourne Oil Company. As per our last discussion, this site meets the expectations in terms of contaminate levels. We are prepared to backfill the excavation area with top soil and reseed the area upon approval. Sample results are attached. The Samples were pulled from the same locations previously pulled from. Those locations can be found on the sample map. The samples with a "S" attached are sidewall and the others are bottom hole. Along with this, Mewbourne Oil Co. plans to take additional steps to prevent future leaks from leaving the location site by installing caliche berms around the entire location. With all this be taken into consideration, we humbly request closure and thank you for your assistance in this matter.

Sincerely,

Todd Roberson

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Mewbourne Oil Company	Contact: Zack Thomas	
Address: PO Box 5270 Hobbs NM 88241	Telephone No. 575-393-5905	
Facility Name: Zircon Compressor Facility / State HL #1	Facility Type: Oil producing Well	
Surface Owner: State	Mineral Owner: State	API No. 30-015-23065

LOCATION OF RELEASE

Unit Letter N	Section 1	Township 19S	Range 29E	Feet from the 660'	North/South Line South	Feet from the 1980'	East/West Line West	County Eddy
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Latitude 32.68388 Longitude -104.03062

NATURE OF RELEASE

Type of Release: Oil/produced water	Volume of Release: estimated 20 bbls	Volume Recovered: N/A
Source of Release: Compressor catch tank	Date and Hour of Occurrence 5-19-15	Date and Hour of Discovery 5-19-15 7:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher NMOCD	
By Whom? Zack Thomas	Date and Hour 5-19-15 2:18 pm	
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.*

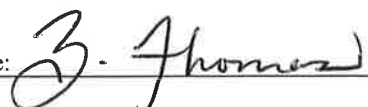
Describe Cause of Problem and Remedial Action Taken.*

Cause of the leak- Dump failure on well separator causing fluid to go down gas line to Zircon Compressor Facility causing catch tank to be over filled. Dump on separator was fixed to stop the release.

Describe Area Affected and Cleanup Action Taken.*

Leaked fluid affected the pad surface around the catch tank and also ran off location to the west an estimated 200 yards in to the pasture. Reference CAP dated November 11, 2015 for complete remediation details.

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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Zack Thomas	Approved by Environmental Specialist:		
Title: Environmental Rep.	Approval Date:	Expiration Date:	
E-mail Address: zthomas@mewbourne.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11-17-15	Phone: 575-602-2188		

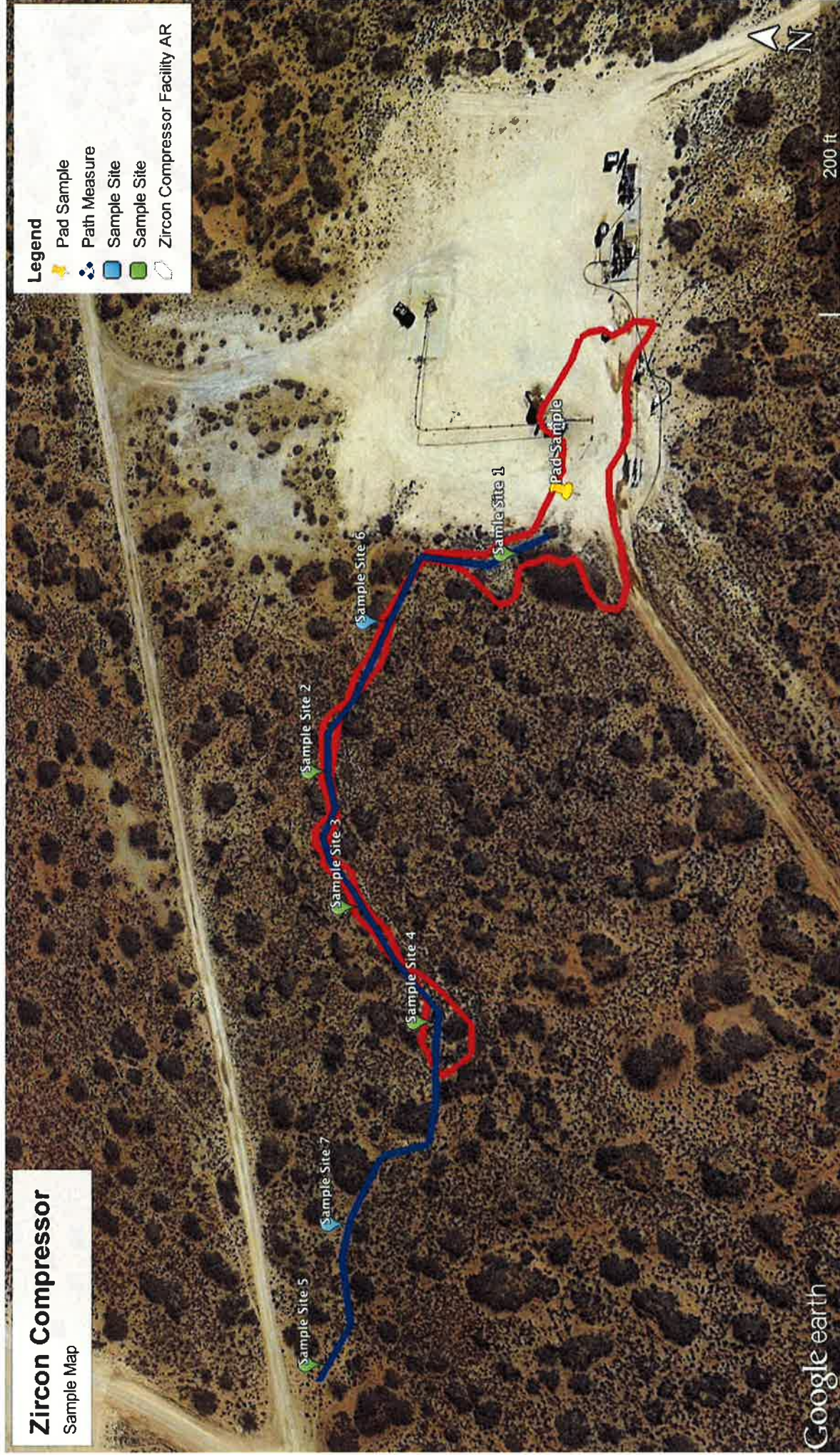
* Attach Additional Sheets If Necessary

Zircon Compressor

Sample Map

Legend

- Pad Sample
- Path Measure
- Sample Site
- Sample Site
- Zircon Compressor Facility AR



October 28, 2015

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: ZIRCON COMPRESSOR

Enclosed are the results of analyses for samples received by the laboratory on 10/23/15 11:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	10/23/2015	Sampling Date:	10/21/2015
Reported:	10/28/2015	Sampling Type:	Soil
Project Name:	ZIRCON COMPRESSOR	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SITE 1 (H502764-01)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	0.101	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	0.630	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	0.731	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/27/2015	ND	210	105	200	4.25	
DRO >C10-C28	473	10.0	10/27/2015	ND	213	107	200	4.13	

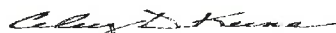
Surrogate: 1-Chlorooctane 88.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 MEWBOURNE OIL COMPANY
 ZACK THOMAS
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

Received:	10/23/2015	Sampling Date:	10/21/2015
Reported:	10/28/2015	Sampling Type:	Soil
Project Name:	ZIRCON COMPRESSOR	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SITE 1-S (H502764-02)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 2 (H502764-03)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	160	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 84.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.8 % 52.1-176

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ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 2-S (H502764-04)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	12.6	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 74.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 79.5 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 MEWBOURNE OIL COMPANY
 ZACK THOMAS
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

 Received: 10/23/2015
 Reported: 10/28/2015
 Project Name: ZIRCON COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SITE 3 (H502764-05)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 100 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	53.8	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 89.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.0 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 3-S (H502764-06)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 87.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

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*=Accredited Analyte

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	10/23/2015	Sampling Date:	10/21/2015
Reported:	10/28/2015	Sampling Type:	Soil
Project Name:	ZIRCON COMPRESSOR	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SITE 4 (H502764-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 88.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.8 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 4-S (H502764-08)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	45.4	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.2 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 MEWBOURNE OIL COMPANY
 ZACK THOMAS
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

 Received: 10/23/2015
 Reported: 10/28/2015
 Project Name: ZIRCON COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SITE 5 (H502764-09)

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	10/26/2015	ND	1.92	96.2	2.00	1.04		
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847		
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126		
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185		
Total BTEX	<0.300	0.300	10/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77		

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	10/26/2015	ND	210	105	200	4.25		
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13		

Surrogate: 1-Chlorooctane 89.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.2 % 52.1-176

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Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 5-S (H502764-10)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	86.2	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 87.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.8 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 6 (H502764-11)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	54.3	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 85.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.7 % 52.1-176

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Analytical Results For:

 MEWBOURNE OIL COMPANY
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 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

 Received: 10/23/2015
 Reported: 10/28/2015
 Project Name: ZIRCON COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SITE 6-S (H502764-12)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	<10.0	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 81.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.4 % 52.1-176

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Analytical Results For:

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 ZACK THOMAS
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

 Received: 10/23/2015
 Reported: 10/28/2015
 Project Name: ZIRCON COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SITE 7 (H502764-13)

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	10/26/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/26/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/26/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/26/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/26/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	172	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 86.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.1 % 52.1-176

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Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SITE 7-S (H502764-14)

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	10/27/2015	ND	1.92	96.2	2.00	1.04	
Toluene*	<0.050	0.050	10/27/2015	ND	2.12	106	2.00	0.847	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	1.94	96.8	2.00	0.126	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.20	103	6.00	0.185	
Total BTEX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	1640	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 87.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 128 % 52.1-176

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Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received: 10/23/2015
Reported: 10/28/2015
Project Name: ZIRCON COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/21/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PAD (H502764-15)

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	10/27/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/27/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/27/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2015	ND	6.53	109	6.00	1.84	
Total BTEX	<0.300	0.300	10/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

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	10/26/2015	ND	432	108	400	3.77	

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	10/26/2015	ND	210	105	200	4.25	
DRO >C10-C28	17.8	10.0	10/26/2015	ND	213	107	200	4.13	

Surrogate: 1-Chlorooctane 82.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celestine D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Murphy Oil Co.</u>		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Joe Thomas</u>		Company:															
Address:		Attn:															
City:		State:		Zip:													
Phone #:		Fax #:		Address:													
Project #:		Project Owner:		City:													
Project Name: <u>Zircos Compressor</u>		State:		Zip:													
Project Location:		Phone #:															
Sampler Name: <u>TR</u>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D. <u>#502164</u>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME			
1	Site 1		1										10-21	12:00			
2	Site 1-S																
3	Site 2																
4	Site 2-S																
5	Site 3																
6	Site 3-S																
7	Site 4																
8	Site 4-S																
9	Site C																
10	Site S-S																
PLEASE NOTE: Liability and Damages: Cardinal Laboratories and its agents assume responsibility for any claims arising from the use of the information provided in this report. The information is provided for informational purposes only and is not intended to be used as a basis for any legal action. The information is provided as is, without warranty, and the user assumes all liability for any use of the information.																REMARKS:	
Relinquished By: <u>Marty Murphy</u>																Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: <u>Marty Murphy</u>																Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date: <u>10/21/00</u>																Add'l Phone #:	
Time: <u>11:30</u>																Add'l Fax #:	
Received By: <u>Joe Thomas</u>																	
Time: <u>11:30</u>																	
Delivered By: (Circle One) <u>UPS</u>																Sample Condition	
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other:																Initials	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

[illegible]