

December 09, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LEE FEDERAL #94

Enclosed are the results of analyses for samples received by the laboratory on 12/02/15 16:40.

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/ga/lab accred certif.html.

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

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

Celey D. Keine

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



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

 Received:
 12/02/2015
 Sampling Date:
 11/30/2015

 Reported:
 12/09/2015
 Sampling Type:
 Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 1 @ 3' (H503155-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/04/2015	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	97.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	109 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 1 @ 4' (H503155-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	96.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	106 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VERTICAL 1 @ 5' (H503155-03)

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	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	98.0	% 35-147	,						
	106	20 171							

106 % 28-171 Surrogate: 1-Chlorooctadecane

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 competent 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.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 2 @ 5' (H503155-04)

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	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	52.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	106 %	6 35-147	,						
	121.0	20.171							

Surrogate: 1-Chlorooctadecane 121 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

• •

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 2 @ 6' (H503155-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	97.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	107 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

11/30/2015



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date:

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VERTICAL 2 @ 7' (H503155-06)

BTEX 8021B	mg/kg Analyzed By			d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	92.4	% 35-147	,						
G 1 CH 1	102 (20.17							

102 % 28-171 Surrogate: 1-Chlorooctadecane

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.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 3 @ 4' (H503155-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	< 0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	< 0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	98.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	109 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VERTICAL 3 @ 5' (H503155-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	96.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 11/30/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VERTICAL 3 @ 6' (H503155-09)

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	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/03/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	89.1	% 35-147	7						
Surrogate: 1-Chlorooctadecane	96.5	% 28-171							

Surrogate: 1-Chlorooctadecane 96.5 % 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 competent 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.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 12/02/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

NOT GIVEN

Sample ID: VERTICAL 4 @ SURFACE (H503155-10)

Project Location:

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	1.52	1.00	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	6.05	1.00	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	16.9	3.00	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	24.4	6.00	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1920	200	12/03/2015	ND	184	91.9	200	4.54	

Surrogate: 1-Chlorooctane 143 % 35-147
Surrogate: 1-Chlorooctadecane 191 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 12/01/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VERTICAL 4 @ 1' (H503155-11)

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	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	<0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/04/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/04/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	94.6	% 35-147	,						
C 1 CH 1	1066	20.171							

106 % 28-171 Surrogate: 1-Chlorooctadecane

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 competent 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.



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 12/02/2015 Sampling Date: 12/01/2015

Reported: 12/09/2015 Sampling Type: Soil

Project Name: LEE FEDERAL #94 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Analyzed By: MC

NOT GIVEN

Sample ID: VERTICAL 4 @ 2' (H503155-12)

Project Location:

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2015	ND	1.71	85.3	2.00	1.84	
Toluene*	< 0.050	0.050	12/04/2015	ND	1.70	85.0	2.00	0.957	
Ethylbenzene*	<0.050	0.050	12/04/2015	ND	1.76	87.8	2.00	0.833	
Total Xylenes*	<0.150	0.150	12/04/2015	ND	5.35	89.2	6.00	1.46	
Total BTEX	<0.300	0.300	12/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-140)						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/04/2015	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/04/2015	ND	184	91.9	200	4.54	
DRO >C10-C28	<10.0	10.0	12/04/2015	ND	178	89.0	200	5.51	
Surrogate: 1-Chlorooctane	100 %	6 35-147							
Surrogate: 1-Chlorooctadecane	110 %	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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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.

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	nache		BILL TO			ANALYSIS KEW	KEQUEST	1
Project Manager:	5		P.O. #:					
Address:			Company:					
City:	State:	Zip:	Attn:					K ON JOHN S
Phone #:	Fax#:		Address:					
Project #:	Project Owner:		City:					
Project Name:	On the state of th		State: Zip:					
Broject I ocation:	100 traderal #94		Phone #:					
Ploject Location.	The state of the s		Fax #:					
Sampler Name:	Chiris Hores	YIGTAM	DRESERV SAMPLING	NG				
FOR LAB USE ONLY		P. MATRIX	PRESERV. SAMPL					
Lab I.D.	Sample I.D.	OR (C)OMPAINERS DWATER WATER	: ASE: OOL	wide	EX			
traice		# CON	OTHER ACID/E	TIME	B-			
1	100/10 3		,	\$ 11:30Am X	×			
2	10	-	4	(1240 Am	×			
2	Nowher 1 6 s.	0-C		11:50AVA X	×			
7	1200	6	•	1:50PW X	X			
7	1) 0 C C	5 -		2:00 pm X	×			
9	100 High 2 @ 7:	-		2:10 pm X	× ×			
7	1)02/16 3 6 4	0		3:00 pm X	×			
2	10 VH 6 3 0 5	6 1 /		X 100 bm	×			
n	Vertical 300 6	0		3:20pm X	X			
3	Months 4 Denichase	61	1 12-2-2015	53:10 pm 7	×××			L
PLEASE NOTE: Liability and analyses. All claims including	PLEASE NOTE: Liability and Damages. Cardinals is lability and client's exclusive remedy for any daim arising whether based in contract or torf, shall be limited to the amount paid by the client to the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received by Cardinal within 30 days after completion of the applicable.	any claim arising whether based in contr deemed waived unless made in writing	act or tort, shall be limited to the amount p and received by Cardinal within 30 days at	aid by the client for the liter completion of the appliance.	cable			
service. In no event shall Car	service. In no event shall Cardinal be liable for incidental or consequental damages, including without initiation, quariess including, based upon any of the above stated reasons or otherwise.	nctuding without installers, pussings sinch upon fer by Cardinal, regardless of whether such clai	of whether such claim is based upon any of the above stated reasons or otherwise	reasons or otherwise.		Add Dhono #		
Relinquished By:	Oui droi istalisca na mis periorinance or services income	Received By:		Phone Result:	□ Yes □ No	Add'l Phone #: Add'l Fax #:		
2	1	- Many	Burca	REMARKS:	9	Dura Tax		
Relinquished By:	: Date:	Received By:						
	Time.							-

58.2

Sample Condition
Cool Infact
Cyes Xes
No No

CHECKED BY:
(Initials)
(7)

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Date: Time:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(i	(575) 393-2326 FAX (575) 393-2476	76	BILL TO			ANALYSIS REQUEST	-
Company Name.	Hacke		- 1				
Project manager.	Diruce Daview		Company:				
Address.	State:	Zip:	Attn:				
Dhano #	Fax #:		Address:				
Project #:	Project Owner:	er:	City:				
Tojour.	0 1 0		State: Zip:				
Project Name:	OT VY		*				
Project Location:	Lee Learnan		EAV #				
Sampler Name: (Justs Flores		7	NIO NIO			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	e e			
Lab I.D.	Sample I.D.		DGE ER: D/BASE: // COOL	hlorid	PH		
1503155	1 6 4 1 1 1	GRO WA: SOI OIL	ACI	TIME X	× -		
12	New Hear 40 2	6		(D:40+mx ×	*		
DI GACE NOTE: I SHIP IS	IN EASE NOTE: I shally and Flamanes. Cardina'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	for any claim arising whether based in conf	ract or fort, shall be limited to the amount p	aid by the client for the			
analyses. All claims including service. In no event shall Conserving the service of the service	analyses. All claims including those for negligence and any other cause whatscever shall be deemed waived unless inlate in waiving allowed processors or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service.	il be deemed warved unless made in writing uding without limitation, business interruption	ns, loss of use, or loss of profits incurred by	y client, its subsidiaries,			
Relinquished By:	arts or successors arising out of or related to the performance of services hereunder thinguished By:	To Cardinal regardless of whether such dama is used upon any or as some	Maria	Phone Result: Fax Result: REMARKS:	☐ Yes ☐ No	Add'I Phone #: Add'I Fax #:	
Relinquished By:	y: Date:	Received By:	MILLE	NE BOARD			
Delivered By Sampler - UPS	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Cool Intact Pres Pres No No No	dition CHECKED BY: types (Initials) Yes	Jawn.	baker	aparticon	. (Ow
		ŀ	The second secon	The Party of the P	The second secon		

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

1

Page 16 of 16