

Byers 8605 JV-P 001

2500 Sq.Ft.
32.560684 -103.421029

Legend

-  Byers 8605 JV-P 001
-  Release Area





November 19, 2015

CLAY TIPTON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: BYERS

Enclosed are the results of analyses for samples received by the laboratory on 11/18/15 12:23.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #1 (H503040-01)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2000	16.0	11/18/2015	ND	416	104	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	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	131	10.0	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 97.0 % 35-147
Surrogate: 1-Chlorooctadecane 121 % 28-171

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #2 (H503040-02)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	160	16.0	11/18/2015	ND	416	104	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	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	62.3	10.0	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 89.5 % 35-147
Surrogate: 1-Chlorooctadecane 103 % 28-171

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 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #3 (H503040-03)

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	11/19/2015	ND	1.87	93.7	2.00	3.41		
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	528	16.0	11/18/2015	ND	416	104	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	11/19/2015	ND	200	100	200	3.13		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 96.0 % 35-147
Surrogate: 1-Chlorooctadecane 100 % 28-171

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Analytical Results For:

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 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #4 (H503040-04)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	1.01	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	1.01	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	2040	16.0	11/18/2015	ND	416	104	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	28.2	10.0	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	772	10.0	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #5 (H503040-05)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/18/2015	ND	416	104	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	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 96.5 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	11/18/2015	Sampling Date:	11/18/2015
Reported:	11/19/2015	Sampling Type:	Soil
Project Name:	BYERS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BACKGROUND (H503040-06)

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	11/19/2015	ND	1.87	93.7	2.00	3.41		
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	11/18/2015	ND	416	104	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	11/19/2015	ND	200	100	200	3.13		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 93.9 % 35-147
Surrogate: 1-Chlorooctadecane 108 % 28-171

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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



Celey D. Keene, Lab Director/Quality Manager

