



 Release Area
  S1 Sample Location

Analytical Report- H400297 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	5/1/2014	Hand Auger	1'	<0.3	<10.0	<10.0	352
S1-2'	Release Area	5/1/2014	Hand Auger	2'	<0.3	<10.0	<10.0	160
S1-3'	Release Area	5/1/2014	Hand Auger	3'	<0.3	<10.0	<10.0	208

Site Ranking is Zero (20). DTGW <50' (approx 48', Section 11, T25S-R27E, Trend Map)

All results are ppm, Chlorides for documentation.

Released: 3 B/O, 22 B/PW Recovered: 2 B/O, 18 B/PW Release Date: 4/23/2014



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

May 13, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: TORPEDO "BOW" ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 05/07/14 13:30.

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,

Caley D. Keene

Lab Director/Quality Manager

Analytical Results For:

YATES PETROLEUM CORPORATION
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 05/07/2014
Reported: 05/13/2014
Project Name: TORPEDO "BOW" ST. COM #1H
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/01/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1-1' (H401391-01)

BTX 8260B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2014	ND	2.32	116	2.00	5.07	
Toluene*	<0.050	0.050	05/12/2014	ND	2.22	111	2.00	3.19	
Ethylbenzene*	<0.050	0.050	05/12/2014	ND	2.07	103	2.00	5.42	
Total Xylenes*	<0.150	0.150	05/12/2014	ND	6.37	106	6.00	5.59	
Total BTX	<0.300	0.300	05/12/2014	ND					

Surrogate: Dibromofluoromethane 96.4 % 61.3-142
Surrogate: Toluene-d8 104 % 71.3-129
Surrogate: 4-Bromofluorobenzene 98.2 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/13/2014	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	05/12/2014	ND	195	97.3	200	0.174	
DRO >C10-C28	<10.0	10.0	05/12/2014	ND	205	102	200	0.686	

Surrogate: 1-Chlorooctane 100 % 65.2-140
Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 YATES PETROLEUM CORPORATION
 CHASE SETTLE
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/07/2014
 Reported: 05/13/2014
 Project Name: TORPEDO "BOW" ST. COM #1H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/01/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S1-2' (H401391-02)

BTEX 8260B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2014	ND	2.32	116	2.00	5.07		
Toluene*	<0.050	0.050	05/13/2014	ND	2.22	111	2.00	3.19		
Ethylbenzene*	<0.050	0.050	05/13/2014	ND	2.07	103	2.00	5.42		
Total Xylenes*	<0.150	0.150	05/13/2014	ND	6.37	106	6.00	5.59		
Total BTEX	<0.300	0.300	05/13/2014	ND						

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/13/2014	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	05/12/2014	ND	195	97.3	200	0.174	
DRO >C10-C28	<10.0	10.0	05/12/2014	ND	205	102	200	0.686	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

YATES PETROLEUM CORPORATION
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/07/2014	Sampling Date:	05/01/2014
Reported:	05/13/2014	Sampling Type:	Soil
Project Name:	TORPEDO "BOW" ST. COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-3' (H401391-03)

BTEX 8260B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2014	ND	2.32	116	2.00	5.07	
Toluene*	<0.050	0.050	05/13/2014	ND	2.22	111	2.00	3.19	
Ethylbenzene*	<0.050	0.050	05/13/2014	ND	2.07	103	2.00	5.42	
Total Xylenes*	<0.150	0.150	05/13/2014	ND	6.37	106	6.00	5.59	
Total BTEX	<0.300	0.300	05/13/2014	ND					

Surrogate: Dibromofluoromethane 94.2 % 61.3-142
 Surrogate: Toluene-d8 103 % 71.3-129
 Surrogate: 4-Bromofluorobenzene 98.2 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/13/2014	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	05/12/2014	ND	195	97.3	200	0.174	
DRO >C10-C28	<10.0	10.0	05/12/2014	ND	205	102	200	0.686	

Surrogate: 1-Chlorooctane 105 % 65.2-140
 Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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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