



 Release Area
  S1 Sample Location

Analytical Report- H400297 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	3/4/2014	Hand Auger	1'	<0.3	<10.0	<10.0	N/A
S1-2'	Release Area	3/4/2014	Hand Auger	2'	<0.3	<10.0	<10.0	N/A
S1-3'	Release Area	3/4/2014	Hand Auger	3'	<0.3	<10.0	<10.0	N/A

Site Ranking is Zero (0). DTGW >100' (approx 170', Section 13, T18S-R29E, Trend Map)

All results are ppm, Chlorides for documentation.

Released: 25 B/O Recovered: 20 B/O Release Date: 2/19/2014



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

March 12, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: SLALOM BPZ FEDERAL #1-H

Enclosed are the results of analyses for samples received by the laboratory on 03/05/14 14:05.

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:

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

 Received: 03/05/2014
 Reported: 03/12/2014
 Project Name: SLALOM BPZ FEDERAL #1-H
 Project Number: 205750
 Project Location: NOT GIVEN

 Sampling Date: 03/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S1-1' (H400678-01)

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	03/12/2014	ND	2.07	103	2.00	1.09	
Toluene*	<0.050	0.050	03/12/2014	ND	2.14	107	2.00	4.98	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	2.05	103	2.00	4.26	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	6.24	104	6.00	4.14	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.0 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

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	03/10/2014	ND	197	98.5	200	3.69	
DRO >C10-C28	<10.0	10.0	03/10/2014	ND	190	95.1	200	5.51	

Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.6 % 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:	03/05/2014	Sampling Date:	03/04/2014
Reported:	03/12/2014	Sampling Type:	Soil
Project Name:	SLALOM BPZ FEDERAL #1-H	Sampling Condition:	Cool & Intact
Project Number:	205750	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-2' (H400678-02)

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	03/12/2014	ND	2.07	103	2.00	1.09	
Toluene*	<0.050	0.050	03/12/2014	ND	2.14	107	2.00	4.98	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	2.05	103	2.00	4.26	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	6.24	104	6.00	4.14	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 98.5 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 109 % 65.7-141

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	03/10/2014	ND	197	98.5	200	3.69	
DRO >C10-C28	<10.0	10.0	03/10/2014	ND	190	95.1	200	5.51	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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CHASE SETTLE
105 S 4th Street
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Received: 03/05/2014
Reported: 03/12/2014
Project Name: SLALOM BPZ FEDERAL #1-H
Project Number: 205750
Project Location: NOT GIVEN

Sampling Date: 03/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1-3' (H400678-03)

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	03/12/2014	ND	2.07	103	2.00	1.09	
Toluene*	<0.050	0.050	03/12/2014	ND	2.14	107	2.00	4.98	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	2.05	103	2.00	4.26	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	6.24	104	6.00	4.14	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.1 % 61.3-142
Surrogate: Toluene-d8 103 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

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	03/10/2014	ND	197	98.5	200	3.69	
DRO >C10-C28	<10.0	10.0	03/10/2014	ND	190	95.1	200	5.51	
Surrogate: 1-Chlorooctane	99.2 %	65.2-140							
Surrogate: 1-Chlorooctadecane	99.7 %	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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Celey D. Keene, Lab Director/Quality Manager



LABORATORY RECEIPT					
(lab use only)					
ORDER #:		H400678			
LAB # (lab use only)		FIELD CODE		Beginning Depth	
				Ending Depth	
		Date Sampled		Time Sampled	
		Field Filtered		Total #. of Containers	
		Ice		HNO ₃	
		HCl		H ₂ SO ₄	
		NaOH		Na ₂ S ₂ O ₃	
		None		Other (Specify)	
		DW=Drinking Water SL=Sludge GW = Groundwater S=Salt/Solid NP=Non-Potable Specify Other		Matrix	
		TPH: 418.1 8015M 8015B		TOTAL:	
		TPH: TX 1005 TX 1006		ANALYZE FOR:	
		Cations (Ca, Mg, Na, K)		TCLP:	
		Anions (Cl, SO ₄ , Alkalinity)		TOTAL:	
		SAR / ESP / CEC			
		Metals: As Ag Ba Cd Cr Pb Hg Se			
		Volatiles			
		Semivolatiles			
		BTX 8021B/5030 or BTX 8260			
		RCI			
		N.O.R.M.			
		Chlorides			
		SAR			
		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs			
		Standard TAT			

Special Instructions:	
Relinquished by:	Date
Relinquished by:	Date
Relinquished by:	Date

Received by:	
Signature	Date
Signature	Date
Signature	Date

Laboratory Comments:	
Sample Containers intact?	N
VOCs Free of Headspace?	X
Labels on container(s)?	N
Custody seals on container(s)?	N
Custody seals on cooler(s)?	N
Sample Hand Delivered by Sampler/Client Rep.?	N
by Courier? UPS DHL FedEx Lone Star	N
Temperature Upon Receipt:	4.2 °C