

Martha AIK Federal #1 Tin Horn

Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
TH COMP 1'	1/2/2014	H400014	Grab/Backhoe	1'	ND	ND	ND	ND	4,800
TH COMP 2'	1/2/2014	H400014	Grab/Backhoe	2'	ND	ND	ND	ND	6,640
TH COMP 3'	1/2/2014	H400014	Grab/Backhoe	3'	ND	ND	ND	ND	7,280
TH COMP 4'	1/2/2014	H400014	Grab/Backhoe	4'	ND	ND	ND	ND	4,160
TH COMP 5'	1/2/2014	H400014	Grab/Backhoe	5'	ND	ND	ND	ND	4,240
TH COMP 6'	1/2/2014	H400014	Grab/Backhoe	6'	ND	ND	ND	ND	4,800
TH COMP 7'	2/10/2014	H400425	Grab/Backhoe	7'	-	-	-	-	8,660
TH COMP 8'	2/10/2014	H400425	Grab/Backhoe	8'	-	-	-	-	8,130
TH COMP 9'	2/10/2014	H400425	Grab/Backhoe	9'	-	-	-	-	6,160
Analytical Report									
TH 1-1	3/3/2015	H500622	Grab/Backhoe	1'	ND	ND	ND	ND	Chlorides
TH 1-3	3/3/2015	H500620	Grab/Backhoe	3'	-	-	-	-	ND
TH 1-5	3/3/2015	H500620	Grab/Backhoe	5'	-	-	-	-	ND
TH 1-7	3/3/2015	H500620	Grab/Backhoe	7'	-	-	-	-	ND
TH 1-9	3/3/2015	H500620	Grab/Backhoe	9'	-	-	-	-	ND
TH 2-1	3/3/2015	H500622	Grab/Backhoe	1'	ND	ND	ND	ND	Chlorides
TH 2-3	3/3/2015	H500620	Grab/Backhoe	3'	-	-	-	-	64
TH 2-5	3/3/2015	H500620	Grab/Backhoe	5'	-	-	-	-	160
TH 2-7	3/3/2015	H500620	Grab/Backhoe	7'	-	-	-	-	592
TH 2-9	3/3/2015	H500620	Grab/Backhoe	9'	-	-	-	-	4,560
TH 2-11	3/3/2015	H500620	Grab/Backhoe	11'	-	-	-	-	1,550
TH 3-1	3/3/2015	H500620	Grab/Backhoe	1'	ND	ND	ND	ND	352
TH 3-3	3/3/2015	H500620	Grab/Backhoe	3'	-	-	-	-	176
TH 3-5	3/3/2015	H500620	Grab/Backhoe	5'	-	-	-	-	128
TH 3-7	3/3/2015	H500620	Grab/Backhoe	7'	-	-	-	-	208
TH 3-9	3/3/2015	H500620	Grab/Backhoe	9'	-	-	-	-	11,600
TH 3-11	3/3/2015	H500620	Grab/Backhoe	11'	-	-	-	-	13,900
TH 3-13	3/3/2015	H500620	Grab/Backhoe	13'	-	-	-	-	10,700
TH 4-1	3/3/2015	H500620	Grab/Backhoe	1'	ND	ND	ND	ND	144
TH 4-3	3/3/2015	H500620	Grab/Backhoe	3'	-	-	-	-	112
TH 4-5	3/3/2015	H500620	Grab/Backhoe	5'	-	-	-	-	432
TH 4-7	3/3/2015	H500620	Grab/Backhoe	7'	-	-	-	-	4,880
TH 4-9	3/3/2015	H500620	Grab/Backhoe	9'	-	-	-	-	7,760
TH 5-1	3/3/2015	H500622	Grab/Backhoe	1'	ND	ND	ND	ND	144
TH 5-3	3/3/2015	H500620	Grab/Backhoe	3'	-	-	-	-	32
TH 5-5	3/3/2015	H500620	Grab/Backhoe	5'	-	-	-	-	4,720
TH 5-7	3/3/2015	H500620	Grab/Backhoe	7'	-	-	-	-	2,960
TH 5-9	3/3/2015	H500620	Grab/Backhoe	9'	-	-	-	-	6,800
Analytical Report									
15'	12/17/2015	1512A73	Grab/Core Rig	15'	-	-	-	-	730
20'	12/17/2015	1512A73	Grab/Core Rig	20'	-	-	-	-	1,000
25'	12/17/2015	1512A73	Grab/Core Rig	25'	-	-	-	-	1,200
28'	12/17/2015	1512A73	Grab/Core Rig	28'	-	-	-	-	320

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 150', Section 11-22S-31E, per Trend Map).

All results are ppm.Chlorides for documentation.

Released: 100 B/PW, 1 B/O; Recovered: 50 B/PW, 0 B/O. Release Date: 12/3/2013. 2RP-2113

12/3/2013 Release

January 09, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 01/03/14 10:30.

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:

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 1' (H400014-01)

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	01/07/2014	ND	1.85	92.7	2.00	2.58		
Toluene*	<0.050	0.050	01/07/2014	ND	1.81	90.6	2.00	2.38		
Ethylbenzene*	<0.050	0.050	01/07/2014	ND	1.77	88.6	2.00	2.57		
Total Xylenes*	<0.150	0.150	01/07/2014	ND	5.13	85.4	6.00	2.62		
Total BTEX	<0.300	0.300	01/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PI) 103 % 89.4-126

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	01/04/2014	ND	213	107	200	1.63		
DRO >C10-C28	<10.0	10.0	01/04/2014	ND	212	106	200	3.24		

Surrogate: 1-Chlorooctane 95.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.4 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

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 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 2' (H400014-02)

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	01/07/2014	ND	1.85	92.7	2.00	2.58		
Toluene*	<0.050	0.050	01/07/2014	ND	1.81	90.6	2.00	2.38		
Ethylbenzene*	<0.050	0.050	01/07/2014	ND	1.77	88.6	2.00	2.57		
Total Xylenes*	<0.150	0.150	01/07/2014	ND	5.13	85.4	6.00	2.62		
Total BTEX	<0.300	0.300	01/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

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	01/04/2014	ND	213	107	200	1.63		
DRO >C10-C28	<10.0	10.0	01/04/2014	ND	212	106	200	3.24		

Surrogate: 1-Chlorooctane 95.3 % 65.2-140
Surrogate: 1-Chlorooctadecane 93.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 3' (H400014-03)

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	01/07/2014	ND	1.85	92.7	2.00	2.58		
Toluene*	<0.050	0.050	01/07/2014	ND	1.81	90.6	2.00	2.38		
Ethylbenzene*	<0.050	0.050	01/07/2014	ND	1.77	88.6	2.00	2.57		
Total Xylenes*	<0.150	0.150	01/07/2014	ND	5.13	85.4	6.00	2.62		
Total BTEX	<0.300	0.300	01/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

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	01/04/2014	ND	213	107	200	1.63		
DRO >C10-C28	<10.0	10.0	01/04/2014	ND	212	106	200	3.24		

Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

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 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 4' (H400014-04)

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	01/07/2014	ND	1.85	92.7	2.00	2.58		
Toluene*	<0.050	0.050	01/07/2014	ND	1.81	90.6	2.00	2.38		
Ethylbenzene*	<0.050	0.050	01/07/2014	ND	1.77	88.6	2.00	2.57		
Total Xylenes*	<0.150	0.150	01/07/2014	ND	5.13	85.4	6.00	2.62		
Total BTEX	<0.300	0.300	01/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 89.4-126

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	01/06/2014	ND	212	106	200	3.32		
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78		

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 5' (H400014-05)

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	01/07/2014	ND	2.10	105	2.00	1.72		
Toluene*	<0.050	0.050	01/07/2014	ND	2.10	105	2.00	1.75		
Ethylbenzene*	<0.050	0.050	01/07/2014	ND	2.16	108	2.00	1.93		
Total Xylenes*	<0.150	0.150	01/07/2014	ND	6.23	104	6.00	0.713		
Total BTEX	<0.300	0.300	01/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

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	01/06/2014	ND	212	106	200	3.32		
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78		

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 6' (H400014-06)

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	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

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	01/06/2014	ND	212	106	200	3.32	
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78	

Surrogate: 1-Chlorooctane 107 % 65.2-140
Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY / RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon
 Company Name: Yates Petroleum Corporation
 Company Address: 105 South 4th Street
 City/State/Zip: Artesia, NM 88210
 Telephone No: 575-748-4111 or 575-513-8799
 Fax No: 575-748-4131
 Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com
 Project Name: Martha AIK Federal #1 (Tin Horn)
 Project #: 30-015-26549
 Project Loc: Eddy County

Report Format: Standard TRRP NPDES
 PO #: 205-2020

TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg. Please put chlorides on a separate report. Thank you.

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix	Analyze For:														
								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=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi-volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR
1	TH Comp 1'	1'	1'	1/2/2014	11:10 AM		1	X								S	X												X	X
2	TH Comp 2'	2'	2'	1/2/2014	11:15 AM		1	X								S	X												X	X
3	TH Comp 3'	3'	3'	1/2/2014	11:18 AM		1	X								S	X												X	X
4	TH Comp 4'	4'	4'	1/2/2014	11:20 AM		1	X								S	X												X	X
5	TH Comp 5'	5'	5'	1/2/2014	11:22 AM		1	X								S	X												X	X
6	TH Comp 6'	6'	6'	1/2/2014	11:24 AM		1	X								S	X												X	X

Relinquished by: Amber Cannon Date: 1/3/14 Time: 10:30
 Received by: [Signature] Date: 1/3/14 Time: 10:30
 Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Special Instructions: TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg. Please put chlorides on a separate report. Thank you.

Laboratory Comments:
 Sample Containers: _____
 VOCS: Free of Headspace? _____
 Labels: _____
 Custody seals on container(s): _____
 Sample Hand Delivered by Sampler/Client, Rep.?, UPS, DHL, Fedex, Lone Star by Courier? _____
 Temperature Upon Receipt: 0.0 °C

12/3/2013 Release

January 09, 2014

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 01/03/14 10:30.

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:

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 1' (H400014-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	01/08/2014	ND	416	104	400	3.77		

Sample ID: TH COMP 2' (H400014-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6640	16.0	01/08/2014	ND	416	104	400	3.77		

Sample ID: TH COMP 3' (H400014-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	01/08/2014	ND	416	104	400	3.77		

Sample ID: TH COMP 4' (H400014-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	01/08/2014	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/03/2014	Sampling Date:	01/02/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 5' (H400014-05)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	01/08/2014	ND	416	104	400	3.77		

Sample ID: TH COMP 6' (H400014-06)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	01/08/2014	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon

Company Name: Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4111 or 575-513-8799

Fax No: 575-748-4131

Report Format: Standard

TRRP NPDES

Sampler Signature: Amber Cannon

e-mail: accannon@yatespetroleum.com

Project Name: Martha Alk Federal #1 (Tin Horn)

Project #: 30-015-26549

Project Loc: Eddy County

PO #: 205-2020

(lab use only)

ORDER #: H14 DDO14

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi-volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None															Other (Specify)	DW=Drinking Water SL=Sludge
1	TH Comp 1'	1'	1'	1/2/2014	11:10 AM		1	X								S												X	X	
2	TH Comp 2'	2'	2'	1/2/2014	11:15 AM		1	X								S												X	X	
3	TH Comp 3'	3'	3'	1/2/2014	11:18 AM		1	X								S												X	X	
4	TH Comp 4'	4'	4'	1/2/2014	11:20 AM		1	X								S												X	X	
5	TH Comp 5'	5'	5'	1/2/2014	11:22 AM		1	X								S												X	X	
6	TH Comp 6'	6'	6'	1/2/2014	11:24 AM		1	X								S												X	X	

Special Instructions:

TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg. Please put chlorides on a separate report. Thank you.

Laboratory Comments:
 Sample Containers: In-lab?
 V/O/Cs Free of Headspace?
 Labels on (collar(s))
 Custody seals on container(s)
 Custody seals on cooler(s)
 Sample Hand Delivered by Sampler/Client Rep.?
 by Courier? UPS DHL FedEx Lone Star

Relinquished by: Amber Cannon	Date: 1/3/14	Time:	Received by: Paul Anderson	Date: 1/3/14	Time: 10:30
Relinquished by:	Date:	Time:	Received by: EL:OT:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Temperature Upon Receipt: 0.0 °C

12/3/2013 Release

February 14, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 13:20.

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.

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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
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	02/12/2014	Sampling Date:	02/10/2014
Reported:	02/14/2014	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: TH COMP 7' (H400425-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	02/14/2014	ND	416	104	400	3.92		

Sample ID: TH COMP 8' (H400425-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8130	16.0	02/14/2014	ND	416	104	400	3.92		

Sample ID: TH COMP 9' (H400425-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	02/14/2014	ND	416	104	400	3.92		

Cardinal Laboratories

*=Accredited Analyte

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2416

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No.: 575-748-4111
Sampler Signature: *Amber Cannon*

Fax No.:
e-mail: acannon@yatespetroleum.com

Project Name: Martha Aik Federal #1 Tin Horn
Project #: 30-015-26549
Project Loc: Eddy County
PO #: 205-2020
Report Format: Standard TRRP NPDES

Order #: H400485-

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers	Matrix	Analyze For:													
	TH Comp 7'	7'	7'	2/10/2014	9:10 AM		1		S	TCP:													
	TH Comp 8'	8'	8'	2/10/2014	9:20 AM		1		S	TOTAL:													
	TH Comp 9'	9'	9'	2/10/2014	9:30 AM		1		S														

Special Instructions:

Relinquished by: Amber Cannon Date: 2/12/14 Time: Received by: Anthony P... Date: 2/12/14 Time: 1:20

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Laboratory Comments:

Sample Containers Intact? Yes No
 VOCs Free of Headspace? Yes No
 Labels on Containers? Yes No
 Custody/seals on containers? Yes No
 Custody/seals on coolers? Yes No
 Sample Hand Delivered by Sampler/Client? Yes No
 Rep. ? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 44 °C



March 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

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.

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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
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 1-3 (H500620-01)

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	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 1-5 (H500620-02)

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	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 2-3 (H500620-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 2-5 (H500620-04)

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	03/09/2015	ND	416	104	400	3.77		

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 3-3 (H500620-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 3-5 (H500620-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 4-3 (H500620-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/09/2015	ND	416	104	400	3.77		

Sample ID: MAR TH 4-5 (H500620-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 5-3 (H500620-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/09/2015	ND	400	100	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 5-5 (H500620-10)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	03/09/2015	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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RPD	Relative Percent Difference
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***	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

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Celey D. Keene, Lab Director/Quality Manager



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

March 10, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

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:

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

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 1-7 (H500620-11)

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	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 1-9 (H500620-12)

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	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 2-7 (H500620-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 2-9 (H500620-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	03/09/2015	ND	400	100	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 2-11 (H500620-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 3-7 (H500620-16)

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	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 3-9 (H500620-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 3-11 (H500620-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13900	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 3-13 (H500620-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10700	16.0	03/09/2015	ND	400	100	400	0.00		

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	** (See Notes)
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 4-7 (H500620-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 4-9 (H500620-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7760	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 5-7 (H500620-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	03/09/2015	ND	400	100	400	0.00		

Sample ID: MAR TH 5-9 (H500620-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	03/09/2015	ND	400	100	400	0.00		

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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



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon Project Name: Martha Aik Federal #1 (Tin Horn)
 Company Name: Yates Petroleum Corporation Project #: 2RP-2113 & 2RP-2506
 Company Address: 105 South 4th Street Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210 PO #: 205-2020
 Telephone No: 575-748-4111 or 575-513-8799 Fax No: 575-748-4131
 Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com
 Report Format: Standard TRRP NPDES

(lab use only)
ORDER #: H5001620

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)	Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
11	Mar TH 1-7	7'		3/3/2015	1:45 PM		1									S															X	
12	Mar TH 1-9	9'		3/3/2015	1:56 PM		1									S															X	
13	Mar TH 2-7	7'		3/3/2015	10:57 AM		1									S															X	
14	Mar TH 2-9	9'		3/3/2015	11:01 AM		1									S															X	
15	Mar TH 2-11	11'		3/3/2015	11:26 AM		1									S															X	
16	Mar TH 3-7	7'		3/3/2015	11:43 AM		1									S															X	
17	Mar TH 3-9	9'		3/3/2015	11:51 AM		1									S															X	
18	Mar TH 3-11	11'		3/3/2015	12:00 PM		1									S															X	
19	Mar TH 3-13	13'		3/3/2015	12:15 PM		1									S															X	
20	Mar TH 4-7	7'		3/3/2015	12:33 PM		1									S															X	
21	Mar TH 4-9	9'		3/3/2015	12:55 PM		1									S															X	
22	Mar TH 5-7	7'		3/3/2015	1:14 PM		1									S															X	
23	Mar TH 5-9	9'		3/3/2015	1:23 PM		1									S															X	

Relinquished by: Amber Cannon Date: 3/6/15 Time: Received by: Spencer Henderson Date: 3/6/15 Time: 9:55

Relinquished by: Date: Time: Received by: Date: Time:

Special Instructions:

Laboratory Comments:

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



March 10, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

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

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 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 1-1 (H500622-01)

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	03/09/2015	ND	2.06	103	2.00	5.50		
Toluene*	<0.050	0.050	03/09/2015	ND	1.86	93.2	2.00	5.62		
Ethylbenzene*	<0.050	0.050	03/09/2015	ND	2.18	109	2.00	5.78		
Total Xylenes*	<0.150	0.150	03/09/2015	ND	6.03	100	6.00	5.94		
Total BTEX	<0.300	0.300	03/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 61-154

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	03/07/2015	ND	194	96.8	200	3.70		
DRO >C10-C28	<10.0	10.0	03/07/2015	ND	200	100	200	4.50		

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 2-1 (H500622-02)

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	03/09/2015	ND	2.06	103	2.00	5.50		
Toluene*	<0.050	0.050	03/09/2015	ND	1.86	93.2	2.00	5.62		
Ethylbenzene*	<0.050	0.050	03/09/2015	ND	2.18	109	2.00	5.78		
Total Xylenes*	<0.150	0.150	03/09/2015	ND	6.03	100	6.00	5.94		
Total BTEX	<0.300	0.300	03/09/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 61-154

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	03/07/2015	ND	194	96.8	200	3.70		
DRO >C10-C28	<10.0	10.0	03/07/2015	ND	200	100	200	4.50		

Surrogate: 1-Chlorooctane 97.1 % 47.2-157
Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 3-1 (H500622-03)

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	03/10/2015	ND	2.06	103	2.00	5.50		
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62		
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78		
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94		
Total BTEX	<0.300	0.300	03/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 61-154

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	03/07/2015	ND	194	96.8	200	3.70		
DRO >C10-C28	<10.0	10.0	03/07/2015	ND	200	100	200	4.50		

Surrogate: 1-Chlorooctane 92.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.9 % 52.1-176

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 4-1 (H500622-04)

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	03/10/2015	ND	2.06	103	2.00	5.50		
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62		
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78		
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94		
Total BTEX	<0.300	0.300	03/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 61-154

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	03/07/2015	ND	194	96.8	200	3.70		
DRO >C10-C28	<10.0	10.0	03/07/2015	ND	200	100	200	4.50		

Surrogate: 1-Chlorooctane 99.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 5-1 (H500622-05)

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	03/10/2015	ND	2.06	103	2.00	5.50		
Toluene*	<0.050	0.050	03/10/2015	ND	1.86	93.2	2.00	5.62		
Ethylbenzene*	<0.050	0.050	03/10/2015	ND	2.18	109	2.00	5.78		
Total Xylenes*	<0.150	0.150	03/10/2015	ND	6.03	100	6.00	5.94		
Total BTEX	<0.300	0.300	03/10/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 61-154

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	03/07/2015	ND	194	96.8	200	3.70		
DRO >C10-C28	<10.0	10.0	03/07/2015	ND	200	100	200	4.50		

Surrogate: 1-Chlorooctane 96.9 % 47.2-157
Surrogate: 1-Chlorooctadecane 99.2 % 52.1-176

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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.



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



March 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: MARTHA AIK FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 03/06/15 9:55.

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
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 1-1 (H500622-01)

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	03/09/2015	ND	400	100	400	3.92		

Sample ID: MAR TH 2-1 (H500622-02)

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	03/09/2015	ND	400	100	400	3.92		

Sample ID: MAR TH 3-1 (H500622-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/09/2015	ND	400	100	400	3.92		

Sample ID: MAR TH 4-1 (H500622-04)

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	03/09/2015	ND	400	100	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/06/2015	Sampling Date:	03/03/2015
Reported:	03/10/2015	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 (TIN HORN)	Sampling Condition:	Cool & Intact
Project Number:	2RP-2113 & 2RP-2506	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MAR TH 5-1 (H500622-05)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/09/2015	ND	400	100	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

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RPD	Relative Percent Difference
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***	Insufficient time to reach temperature.
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Celey D. Keene, Lab Director/Quality Manager



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 06, 2016

Amber Griffin
Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4111
FAX

RE: Martha AIK Federal Battery

OrderNo.: 1512A73

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/23/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a faint, illegible typed name.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1512A73

Date Reported: 1/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Martha AIK Federal Battery

Lab Order: 1512A73

Lab ID: 1512A73-001 Collection Date: 12/17/2015 1:25:00 PM
Client Sample ID: 15' Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 730, 30, mg/Kg, 20, 12/30/2015 1:44:01 AM, 23001

Lab ID: 1512A73-002 Collection Date: 12/17/2015 1:39:00 PM
Client Sample ID: 20' Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 1000, 30, mg/Kg, 20, 12/30/2015 2:21:14 AM, 23001

Lab ID: 1512A73-003 Collection Date: 12/17/2015 2:10:00 PM
Client Sample ID: 25' Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 1200, 75, mg/Kg, 50, 12/30/2015 4:27:36 PM, 23001

Lab ID: 1512A73-004 Collection Date: 12/17/2015 2:38:00 PM
Client Sample ID: 29' Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 320, 30, mg/Kg, 20, 12/30/2015 3:10:53 AM, 23001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Qualifiers: * Value exceeds Maximum Contaminant Level. B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit P Sample pH Not In Range
R RPD outside accepted recovery limits RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A73

06-Jan-16

Client: Yates Petroleum Corporation

Project: Martha AIK Federal Battery

Sample ID	MB-23001	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	23001	RunNo:	31145					
Prep Date:	12/29/2015	Analysis Date:	12/30/2015	SeqNo:	953296	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-23001	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	23001	RunNo:	31145					
Prep Date:	12/29/2015	Analysis Date:	12/30/2015	SeqNo:	953297	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Yates Petroleum Corporat

Work Order Number: 1512A73

RcptNo: 1

Received by/date:

[Signature] 12/23/15

Logged By: Lindsay Mangin

12/23/2015 9:40:00 AM

[Signature]

Completed By: Lindsay Mangin

12/23/2015 10:31:53 AM

[Signature]

Reviewed By:

CS 12/23/15

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked for pH: (<2 or >12 unless noted)
- (Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted?
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No Checked by:
- (If no, notify customer for authorization.)

Special Handling (if applicable)

- 16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	9.8	Good	Yes			

Chain-of-Custody Record

Client: Yates Petroleum Corporation
 Project Name: Marthia Aik Federal Battery
 Project #: 105 South 4th Street Artesia, NM 88210
 Phone #: 575-513-8799 or 575-748-4111
 Email or Fax#: agriffin@yatespetroleum.com
 Project Manager: Amber Griffin
 PO # 205-2020
 Accreditation: Standard Level 4 (Full Validation)
 NELAP Other
 EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Marthia Aik Federal Battery

Project #:

105 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

Email or Fax#: agriffin@yatespetroleum.com

Project Manager: Amber Griffin

PO # 205-2020

Sampler: Amber Griffin AG

On Ice: Yes No

Sample Temperature: 9.8

Container Type and #
 HEAL No.
 1512A73

1 - 4oz. -001

1 - 4oz. -002

1 - 4oz. -003

1 - 4oz. -004

Date	Time	Matrix	Sample Request ID
12/17/2015	1:25	Soil	15'
12/17/2015	1:39	Soil	20'
12/17/2015	2:10	Soil	25'
12/17/2015	2:38	Soil	29'

Date: 12/15 8:00A
 Time: Amber Griffin
 Date: 12/23/15
 Time: CAW

Received by: [Signature]
 Date: 12/23/15
 Time: CAW

Remarks: Anions: Chloride only.

Analysis Request	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F ⁻ , Cl ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻)	8081 Pesticides / 8082 PCBs	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
BTEX + MTBE + TMB's (8021)							X				
BTEX + MTBE + TPH (Gas only)							X				
							X				
							X				

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.