

MARTIN YATES, III
1912-1985
FRANK W. YATES
1936-1986
S. P. YATES
1914-2008

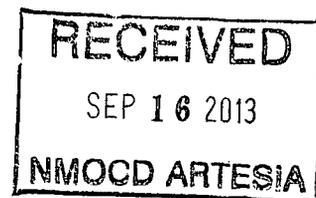


105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471
www.yatespetroleum.com

JOHN A. YATES
CHAIRMAN EMERITUS
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CHAIRMAN OF THE BOARD
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JAMES S. BROWN
CHIEF OPERATING OFFICER

September 11, 2013

Mr. Mike Bratcher
NMOCD District II
811 South First Street
Artesia, NM 88210



RE: Martha AIK Federal #1
30-015-26549
Section 11, T22S-R31E
Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the two releases that occurred at the above mentioned facility on April 18, 2013 and April 27, 2013. The April 18, 2013 release was 850 barrels produced water and 33 barrels of oil, with 650 barrels of produced water and 20 barrels of oil recovered. The April 27, 2013 release was 250 barrels of produced water and 1 barrel of oil with no amounts recovered. Both releases occurred in the field to the south of the battery and inside the bermed battery.

Initial TPH/BTEX and Chloride delineation samples were taken and were sent to a NMOCD approved facility, analytical results are enclosed for your review. The release area was split and sampled in four separate sections (MB, MF1, MF2, and MF3).

Yates Petroleum Corporation proposes to do the following work:

1. Excavate 2' from inside the battery, keeping at a safe distance from the tanks to ensure the stability of the tanks stays in place. After this 2' has been removed we would add a layer of caliche back into the battery.
2. Instead of excavating soils from the field, we propose to lay a liner over the impacted area. Yates has already excavated approximately 2' of soils from the release area. On top of the liner we would backfill with a 1.5' layer of caliche and then a 1.5' layer of sand. Yates also proposes to collapse some of the sand dunes in this area and utilize this sand as backfill. In order for trucks to get in and out of the area to drop hauled in caliche, Yates would need to temporarily build two caliche roads to the excavation area (on the attached site diagram I have roughly drawn in our idea for the caliche roads). Once work is finished, Yates would strip the caliche we brought in for the roads and re-seed these disturbances when we re-seed the release area next year.

The site would then be added to our seeding list for 2014, as Yates Petroleum has already completed seeding for 2013. The area would then be monitored for re-vegetation.

KATHY H. PORTER
SECRETARY

DENNIS G. KINSEY
TREASURER

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at acannon@yatespetroleum.com.

Thank You,

A handwritten signature in black ink that reads "Amber Cannon". The signature is written in a cursive, flowing style.

Amber Cannon
Environmental Regulatory Agent
Yates Petroleum Corporation

Enclosure(s): 3

cc: Jim Amos, BLM – Carlsbad District Office



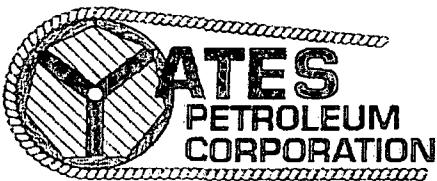
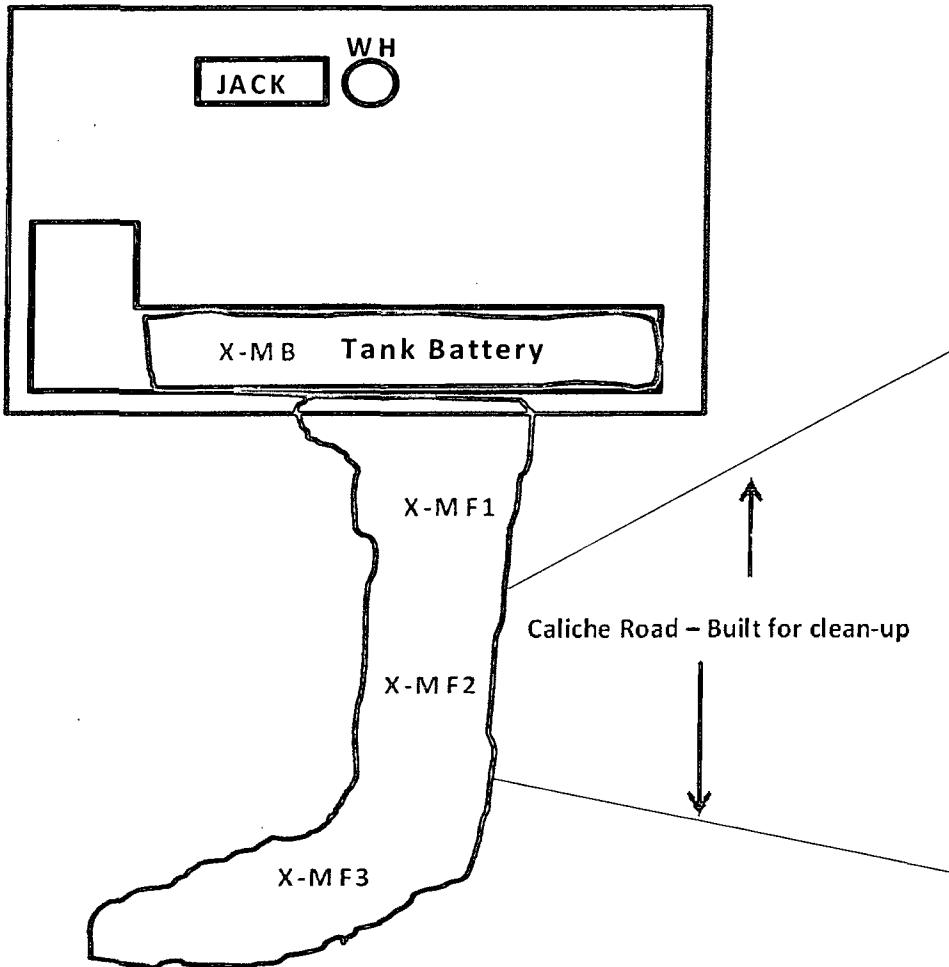
X - MB 1, 2, 3, 4, 5, 6

X - MF 1 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

X - MF 2 1, 2, 3, 4, 5, 6, 7, 8, 9

X - MF 3 1, 2, 3, 4, 5, 6, 7, 8, 9

Martha AIK Federal #1 Location



Martha AIK Federal #1

30-015-26549

Section 11, T22S-R31E

Eddy County, NM

**Prepared by Amber Cannon
Environmental Regulatory Agent**

DRAWING NOT TO SCALE

Martha AIK Federal #1

Cardinal Laboratories

Analytical Report- H301097	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
MB-1'	Release Area	5/6/2013	Grab/Backhoe	1'	ND	ND	ND	ND	5,120
MB-2'	Release Area	5/6/2013	Grab/Backhoe	2'	ND	ND	ND	ND	8,240
MB-3'	Release Area	5/6/2013	Grab/Backhoe	3'	ND	ND	ND	ND	6,000
MB-4'	Release Area	5/6/2013	Grab/Backhoe	4'	ND	ND	ND	ND	6,000
MB-5'	Release Area	5/6/2013	Grab/Backhoe	5'	ND	ND	ND	ND	5,440
MB-6'	Release Area	5/6/2013	Grab/Backhoe	6'	ND	ND	ND	ND	6,080
MF1-1'	Release Area	5/6/2013	Composite/Backhoe	1'	ND	ND	28.3	28.3	5,840
MF1-2'	Release Area	5/6/2013	Composite/Backhoe	2'	ND	ND	41.1	41.1	5,760
MF1-3'	Release Area	5/6/2013	Composite/Backhoe	3'	ND	ND	ND	ND	7,520
MF1-4'	Release Area	5/6/2013	Composite/Backhoe	4'	ND	ND	ND	ND	10,600
MF1-5'	Release Area	5/6/2013	Composite/Backhoe	5'	ND	ND	ND	ND	15,600
MF1-6'	Release Area	5/6/2013	Composite/Backhoe	6'	ND	ND	ND	ND	12,200
MF2-1'	Release Area	5/6/2013	Composite/Backhoe	1'	ND	ND	189	189	6,000
MF2-2'	Release Area	5/6/2013	Composite/Backhoe	2'	ND	ND	ND	ND	6,160
MF2-3'	Release Area	5/6/2013	Composite/Backhoe	3'	ND	ND	ND	ND	8,000
MF2-4'	Release Area	5/6/2013	Composite/Backhoe	4'	ND	ND	ND	ND	21,000
MF2-5'	Release Area	5/6/2013	Composite/Backhoe	5'	ND	ND	ND	ND	21,000
MF2-6'	Release Area	5/6/2013	Composite/Backhoe	6'	ND	ND	ND	ND	22,000
MF3-1'	Release Area	5/6/2013	Composite/Backhoe	1'	ND	ND	ND	ND	6,320
MF3-2'	Release Area	5/6/2013	Composite/Backhoe	2'	ND	ND	ND	ND	5,840
MF3-3'	Release Area	5/6/2013	Composite/Backhoe	3'	ND	ND	ND	ND	15,200
MF3-4'	Release Area	5/6/2013	Composite/Backhoe	4'	ND	ND	ND	ND	18,800
MF3-5'	Release Area	5/6/2013	Composite/Backhoe	5'	ND	ND	ND	ND	7,680
MF3-6'	Release Area	5/6/2013	Composite/Backhoe	6'	ND	ND	ND	ND	6,800

Analytical Report- H302034	Sample Area	Sample Date	Sample Type	Depth	Chlorides
MF1-7	Release Area	8/22/2013	Grab/Backhoe	7'	6,240
MF1-8	Release Area	8/22/2013	Grab/Backhoe	8'	28,400
MF1-9	Release Area	8/22/2013	Grab/Backhoe	9'	30,800
MF1-10	Release Area	8/22/2013	Grab/Backhoe	10'	24,600
MF1-11	Release Area	8/22/2013	Grab/Backhoe	11'	14,600
MF1-12	Release Area	8/22/2013	Grab/Backhoe	12'	11,800
MF2-7	Release Area	8/22/2013	Grab/Backhoe	7'	25,200
MF2-8	Release Area	8/22/2013	Grab/Backhoe	8'	22,200
MF2-9	Release Area	8/22/2013	Grab/Backhoe	9'	17,000
MF3-7	Release Area	8/22/2013	Grab/Backhoe	7'	23,200
MF3-8	Release Area	8/22/2013	Grab/Backhoe	8'	13,900
MF3-9	Release Area	8/22/2013	Grab/Backhoe	9'	28,400

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: 850 B/PW, 33 B/O; Recovered: 650 B/PW, 20 B/O. Release Date: 4/18/2013

Released: 250 B/PW, 1 B/O; Recovered: 0 B/PW, 0 B/O. Release Date: 4/27/2013



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

May 13, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/08/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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". The signature is written in a cursive style with a large, prominent initial 'C'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 1' (H301097-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	05/09/2013	ND	210	105	200	0.918		
DRO >C10-C28	189	10.0	05/09/2013	ND	205	102	200	0.533		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 2' (H301097-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 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	05/09/2013	ND	210	105	200	0.918		
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533		

Surrogate: 1-Chlorooctane 99.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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*=Accredited Analyte

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Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 3' (H301097-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/09/2013	ND	210	105	200	0.918		
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533		

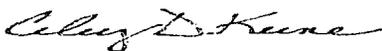
Surrogate: 1-Chlorooctane 99.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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* = Accredited Analyte

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Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 4' (H301097-04)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	05/09/2013	ND	210	105	200	0.918		
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533		

Surrogate: 1-Chlorooctane 92.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.4 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 5' (H301097-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 90.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 6' (H301097-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 97.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.1 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 1' (H301097-07)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 108 % 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	05/10/2013	ND	194	96.9	200	0.684	
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51	

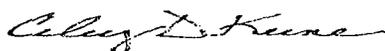
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 2' (H301097-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

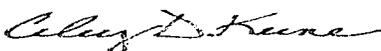
Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 3' (H301097-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

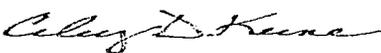
Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.4 % 63.6-154

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Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 4' (H301097-10)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05		
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

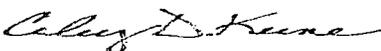
Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 5' (H301097-11)

BTEX 8021B	mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (P1C) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

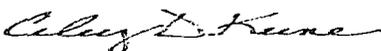
Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.4 % 63.6-154

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Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
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 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 6' (H301097-12)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 91.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

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Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 1' (H301097-13)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 98.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 2' (H301097-14)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 93.6 % 65.2-140
Surrogate: 1-Chlorooctadecane 97.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 3' (H301097-15)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

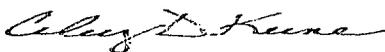
Surrogate: 1-Chlorooctane 99.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 4' (H301097-16)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

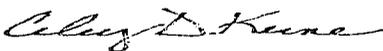
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 5' (H301097-17)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

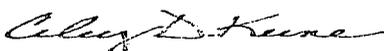
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 6' (H301097-18)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 96.1 % 65.2-140
Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 1' (H301097-19)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33	
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21	
Total BTEX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684	
DRO >C10-C28	28.3	10.0	05/10/2013	ND	181	90.7	200	1.51	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 2' (H301097-20)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	41.1	10.0	05/10/2013	ND	181	90.7	200	1.51		

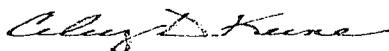
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 3' (H301097-21)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 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	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 4' (H301097-22)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

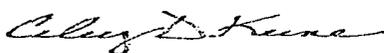
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 107 % 65.2-140
Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 5' (H301097-23)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

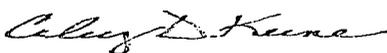
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/10/2013	ND	194	96.9	200	0.684		
DRO >C10-C28	<10.0	10.0	05/10/2013	ND	181	90.7	200	1.51		

Surrogate: 1-Chlorooctane 96.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 6' (H301097-24)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2013	ND	2.08	104	2.00	4.33		
Toluene*	<0.050	0.050	05/10/2013	ND	1.90	95.1	2.00	4.29		
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.06	103	2.00	4.72		
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.06	101	6.00	4.21		
Total BTEX	<0.300	0.300	05/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 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	05/13/2013	ND	213	107	200	0.896		
DRO >C10-C28	<10.0	10.0	05/13/2013	ND	209	104	200	1.12		

Surrogate: 1-Chlorooctane 110 % 65.2-140
Surrogate: 1-Chlorooctadecane 118 % 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

May 13, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: MARTHA AIK FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/08/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 1' (H301097-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF2 - 2' (H301097-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF2 - 3' (H301097-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	05/10/2013	ND	432	108	400	0.00		

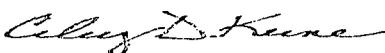
Sample ID: MF2 - 4' (H301097-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21000	16.0	05/10/2013	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF2 - 5' (H301097-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21000	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF2 - 6' (H301097-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22000	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF3 - 1' (H301097-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6320	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF3 - 2' (H301097-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	05/10/2013	ND	432	108	400	0.00		

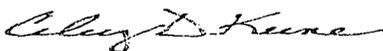
Sample ID: MF3 - 3' (H301097-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	05/10/2013	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF3 - 4' (H301097-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF3 - 5' (H301097-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7680	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MF3 - 6' (H301097-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MB - 1' (H301097-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MB - 2' (H301097-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	05/10/2013	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MB - 3' (H301097-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MB - 4' (H301097-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MB - 5' (H301097-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	05/10/2013	ND	432	108	400	0.00		

Sample ID: MB - 6' (H301097-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	05/10/2013	ND	432	108	400	0.00		

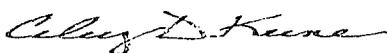
Sample ID: MF1 - 1' (H301097-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	05/10/2013	ND	432	108	400	0.00		

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/13/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MF1 - 2' (H301097-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	05/10/2013	ND	416	104	400	3.77		

Sample ID: MF1 - 3' (H301097-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7520	16.0	05/10/2013	ND	416	104	400	3.77		

Sample ID: MF1 - 4' (H301097-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	05/10/2013	ND	416	104	400	3.77		

Sample ID: MF1 - 5' (H301097-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	05/10/2013	ND	416	104	400	3.77		

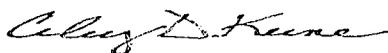
Sample ID: MF1 - 6' (H301097-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12200	16.0	05/10/2013	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

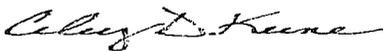
Notes and Definitions

- 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



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

August 29, 2013

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

RE: MARTHA AIK FEDERAL #1 FIELD

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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 cursive script 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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 FIELD 1-7 (H302034-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	08/29/2013	ND	448	112	400	3.64	

Sample ID: MARTHA 1 FIELD 1-8 (H302034-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28400	16.0	08/29/2013	ND	448	112	400	3.64	

Sample ID: MARTHA 1 FIELD 1-9 (H302034-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30800	16.0	08/29/2013	ND	448	112	400	3.64	

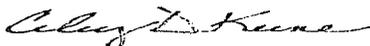
Sample ID: MARTHA 1 FIELD 1-10 (H302034-04)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24600	16.0	08/29/2013	ND	448	112	400	3.64	

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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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 FIELD 1-11 (H302034-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14600	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 FIELD 1-12 (H302034-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11800	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 FIELD 2-7 (H302034-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25200	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 FIELD 2-8 (H302034-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22200	16.0	08/29/2013	ND	448	112	400	3.64		

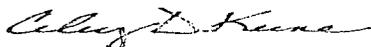
Sample ID: MARTHA 1 FIELD 2-9 (H302034-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17000	16.0	08/29/2013	ND	448	112	400	3.64		

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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:	08/23/2013	Sampling Date:	08/22/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	MARTHA AIK FEDERAL #1 FIELD	Sampling Condition:	Cool & Intact
Project Number:	30-015-26549	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MARTHA 1 FIELD 3-7 (H302034-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 FIELD 3-8 (H302034-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13900	16.0	08/29/2013	ND	448	112	400	3.64		

Sample ID: MARTHA 1 FIELD 3-9 (H302034-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28400	16.0	08/29/2013	ND	448	112	400	3.64		

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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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