<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

Form C-141 Revised October 10, 2003

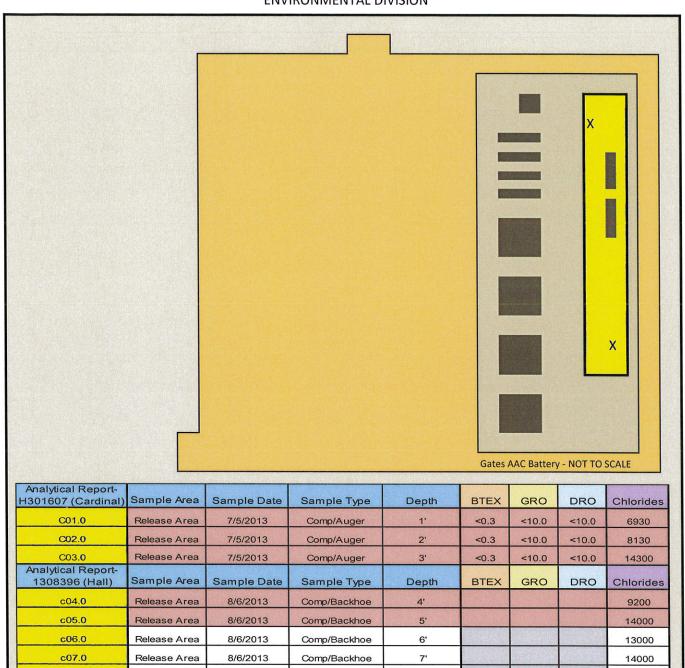
side of form

## **Release Notification and Corrective Action**

				OI	PERA	TOR			] Initial	Report	$\boxtimes$	Final Report
Name of Co				OGRID Num	ber	Contact				•		
Yates Petro	eum Corp	oration		25575		Robert Ashe	er					
Address						Telephone N	No.					
104 S. 4 <sup>TH</sup> S	N/E-12/19/20/200				Î	575-748-14	71					
Facility Nar				API Number		Facility Typ	e					
Gates AAC	Battery			30-015-2510	2	Battery						
Surface Ow	nor			Mineral O					T N	т.		
Fee Surface Ow	nei			Fee	wner				Lease N	NO.		
100												
TT-:+T	G	T 1:	Ъ			N OF REI		- ar		Γα		
Unit Letter C	Section 22	Township 18S	Range 26E	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
C	22	165	20E							Eddy		
				I -444 3 - 22 /	72700	T	104 27401				-	
				Latitude 32.7	/3/80	_ Longituae	104.37481					
				NAT	URE	OF REL						
Type of Rele Produced Wa						Volume of 155 B/PW	Release			Recovered		
Source of Re							Iour of Occurrence	e	Date and	v Hour of Di	scover	v
Produced wa		90				5/28/2013;			5/28/2013			2
Was Immedia	ate Notice (			- applies 1	2007 1196	If YES, To						
		$\boxtimes$	Yes _	No Not Re	equired	Mike Brate	cher/NMOCD II					
By Whom?			•			Date and I						
Was a Water		eum Corporati	ion			5/28/2013;		1 117				
was a water	course Read		Yes 🗵	No		N/A	olume Impacting t	the Wate	rcourse.			
	ırse was Im	pacted, Descr				1						
N/A Describe Cou	se of Probl	em and Reme	dial Astic	n Tolson *						-15		
				p, valves were iso	lated fro	om main wate	erline. Vacuum tru	icks call	ed.			
Describe Are	a Affected	and Cleanup	Action Tal	ken.*								
An approxim	ate area of	18' X 90' (ins	side unline	ed, bermed battery	). Verti	cal and horize	ontal delineation s	amples v	will be take	en and anal	ysis rar	n for TPH &
BTEX (chlor	ides for do	cumentation).	If initial	analytical results f	or TPH	& BTEX are	under RRAL's (s	site ranki	ng is 10) a	Final Repo	ort, C-1	141 will be
Water: 50-0	the OCD re	equesting clos	ure. If the	analytical results (ap), Wellhead Pr	are abo	ve the RRAL	a work plan will	be subm	itted to the	OCD. Dej	oth to	Ground
10. Based or	impacted	soils to be ex	cavated/h	auled, enclosed s	amnle	n Area: No, I results and in	pistance to Suria	ice wat he lined	er Boay: > with a 20	mil liner	Votes	Petroloum
Corporation	requests	losure.		, 0	umpie i	courts und 11	inputeted area to	oc nneu	With a 20	mm. mici,	Tates	i cti oicuin
I hereby cert	ify that the	information g	iven above	e is true and comp	lete to t	he best of my	knowledge and u	ınderstar	d that pur	suant to NN	<b>JOCD</b>	rules and
regulations a	ll operators	are required t	to report a	nd/or file certain r	elease n	otifications a	nd perform correct	ctive acti	ons for rel	eases which	h may	endanger
public health	or the envi	ronment. The	e acceptan	ce of a C-141 repo	ort by th	e NMOCD m	arked as "Final R	keport" d	oes not rel	ieve the op	erator o	of liability
should their	operations i	have failed to	adequately	y investigate and r ptance of a C-141	emediat	te contaminat	ion that pose a thr	eat to gr	ound wate	r, surface v	/ater, h	uman health
federal, state	or local la	ws and/or reg	ulations.	ptance of a C-141	report c	ioes not renev	e the operator of	responsi	bility for c	compilance	with ai	ny otner
							OIL CON	SERV	ATION	DIVISI	ON	
Cianatuma											<u> </u>	
Signature:						P 12/2	1221120 124 0 II					
Printed Nam	e: Robert A	sher				Approved by	District Supervis	sor:				
military =						28						
Title: NM E	nvironment	al Regulatory	Superviso	or		Approval Da	te:	] ]	Expiration	Date:		
E-mail Addr	ess: boba@	yatespetroleu	m.com			Conditions o	f Approval:					
										Attache	d 📙	
Date: Monda	iy, February	03, 2014	Phon	ne: 575-748-4021		2RP-				1		

<sup>\*</sup> Attach Additional Sheets If Necessary

# YATES PETROLEUM CORPORATION **ENVIRONMENTAL DIVISION**



H301607 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C01.0	Release Area	7/5/2013	Comp/Auger	1'	<0.3	<10.0	<10.0	6930
C02.0	Release Area	7/5/2013	Comp/Auger	2'	<0.3	<10.0	<10.0	8130
C03.0	Release Area	7/5/2013	Comp/Auger	3'	<0.3	<10.0	<10.0	14300
Analytical Report- 1308396 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
c04.0	Release Area	8/6/2013	Comp/Backhoe	4'		No.		9200
c05.0	Release Area	8/6/2013	Comp/Backhoe	5'				14000
c06.0	Release Area	8/6/2013	Comp/Backhoe	6'				13000
c07.0	Release Area	8/6/2013	Comp/Backhoe	7'				14000
c08.0	Release Area	8/6/2013	Comp/Backhoe	8'				12000
Analytical Report- 1309C36 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
c09.0	Release Area	9/26/2013	Comp/Backhoe	9'				9200
c010.0	Release Area	9/26/2013	Comp/Backhoe	10'				14000
c11.0	Release Area	9/26/2013	Comp/Backhoe	11'				12000
Analytical Report- H301607 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C15.0	Release Area	1/15/2014	Comp/Core Unit	15'				6560
C20.0	Release Area	1/15/2014	Comp/Core Unit	20'				5440
C25.0	Release Area	1/15/2014	Comp/Core Unit	25'				6720

Site Ranking is Ten (10). Depth to Ground Water 50-99' (Approx. 75', ChevronTexaco Trend Map). Chloride samples for documentation. All results are ppm. X- Sample Points BSL - Below Surface Level Released: 155 B/PW; Recovered: 150 B/PW. Release Date: 5/28/2013



January 21, 2014

ROBERT ASHER
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: GATES AAC BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/14 11:15.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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





YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2014

Reported:

01/21/2014

Project Name:

GATES AAC BATTERY

Project Number: Project Location:

30-015-25102 EDDY COUNTY, NM Sampling Date:

01/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Jodi Henson

#### Sample ID: C15.0 (H400143-01)

Ch	lori	de,	SM	45	00	CI-B	
_							

Chloride

Chloride

#### mg/kg

#### Analyzed By: AP

Analyte

Result Repo

6560

Result

5440

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 01/17/2014

Analyzed

01/17/2014

Method Blank ND BS 416

416

BS

416

104

% Recovery

104

% Recovery

104

True Value QC 400 RPD 3.92 Qualifier

Sample ID: C20.0 (H400143-02)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS % Recovery

True Value QC

400

True Value QC

400

RPD

3.92

RPD

3.92

Qualifier

Qualifier

Sample ID: C25.0 (H400143-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank
Chloride	6720	16.0	01/17/2014	ND

Cardinal Laboratories

\*=Accredited Analyte

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 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.

Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager



ND

#### **Notes and Definitions**

Analyte NOT DETECTED at or above the reporting limit Relative Percent Difference **RPD** \*\* 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  $6^{\circ}\text{C}$ Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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.

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

ARDMALL ADDRAL OFFICE   ADDRAL ADDRAL (805) 380-2426 FAX (805) 380-2476	Relinquished by:	Relinquished by:	Relinquished by:	Special						]		u	1	-	LAB # (lab use only)	ORDER #:	, ab use only)								FR	3
Robert Address	hed by:	hed by:		Instructions:				2		88		c25.0	c20.0	c15.0	<b></b>		only) 	Campion Cignor	Sampler Signature	Telephone No:	City/State/Zip:	Company Address	Compt (505) 393-23	Project Manager:	ARDINAL L. 101 East Mar	
Project Name: Gates AAC Battery   Project Name: Gates AAC Battery	2	18	2	Chloric										5.	LD CODE	7	7		C	575-748-4217	Artesia, NM 88	: 105 South 4th 9	26 Yates Petroleur	Robert Asher	ABORATORIES land, Hobbs, NM	
Fax No:   Fax	Date	Date	Date 01/16/14	es ON								ļ							<b>?</b>		210	Street	n Corpor	r. esana	38240	
Project Name: Gates AAC Battery   Proj	-	_		LY plea						8		25'	20'	15'	Beginning Depth			<b>\</b>	•				ation			
Project Name: Gates AAC Battery   Proj	ime	ime	ime 8 AM	ISE. A								25'	20'	15'	Ending Depth			8			62			ľ		
Project Name: Gates AAC Battery   Proj	Received by ELC	Rébeived by:	Redeived by:	L results in m					·			1/15/2014	1/15/2014	1/15/2014	Date Sampled		* * * * * * * * * * * * * * * * * * *	To the second se							(505) 393-2326	
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# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

101 East Marland, Hobbs, NM 88240

Robert Asher

Project Manager:

Standard TAT × NPDES RUSH TAT (Pre-Schedule) 24, 48, 72 hrs PO#: 205632 (NEW PO NUMBER) TRRP N.O.R.M. Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s) Project Name: Gates AAC Battery by Sampler/Client Rep. ? by Courier? UPS Temperature Upon Receipt: BTEX 8021B/5030 or BTEX 8260 VOCs Free of Headspace? Analyze For Sample Containers Intact? Laboratory Comments: Sample Hand Delivered Project #: 30-015-25102 Project Loc: Eddy County Report Format: X Standard Metals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: SAR / ESP / CEC (ID) snoinA × × Cations (Ca, Mg, Na, K) 9001 XT TX 1005 :HGT 80158 M2108 1.814 :H41 eldetoq-noN=qN Matrix S S DW=Drinking Water SL=Sludge וופונר Date Other (Specify) boba@yatespetroleum.com Preservation & # of Containers None Na2S2O3 NaOH OS H HCI HO03 lce otal #. of Containers Chlorides ONLY please. ALL results in mg/kg. Thank you. ield Filtered e-mail: Fax No: 2:24 PM 2:30 PM 2:40 PM Time Sampled Received by ELOT: 1/15/2014 1/15/2014 1/15/2014 Date Sampled 15 20, 25 Ending Depth 8:58 AM Time Time Time 15 20, 25 Beginning Depth Comp. (505) 393-2326 Yates Petroleum Corporation 01/16/14 Company Address: 105 South 4th Street Date Artesia, NM 88210 Date 575-748-4217 FIELD CODE Sampler Signature: Asher/YPC Telephone No: City/State/Zip: Special Instructions: c15.0 c20.0 c25.0 Relinquished by: ORDER #: Relinquished by: Relinquished by lab use only) M LAB # (Isb use only)



January 21, 2014

ROBERT ASHER
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: GATES AAC BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/14 11:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

01/16/2014

Reported:

01/21/2014

Project Name:

**GATES AAC BATTERY** 

Project Number: Project Location:

30-015-25102

EDDY COUNTY, NM

Sampling Date: Sampling Type:

01/15/2014

Soil

Sampling Condition: Sample Received By:

\*\* (See Notes)

Jodi Henson

Sample ID: C15.0 (H400143-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result

Reporting Limit

Analyzed

Method Blank

BS

% Recovery

True Value QC 400

RPD

3.92

**RPD** 

3.92

Chloride

6560

16.0

01/17/2014

ND

416

104

Qualifier

Sample ID: C20.0 (H400143-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

% Recovery

True Value QC

Qualifier

Qualifier

Chloride

Result 5440

16.0

Reporting Limit

Analyzed 01/17/2014 Method Blank ND

416

104

400

Sample ID: C25.0 (H400143-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	6720	16.0	01/17/2014	ND	416	104	400	3.92

Cardinal Laboratories

\*=Accredited Analyte

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 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 consequence. 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.

Celeg & Keine

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 SM4500CI-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

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.

Celeg D. Keene

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RUSH TAT (Pre-Schedule) 24, Standard TAT	DUOLITAT		N.O.R.M.	RCI	BTEX 8021B/5030 or BTEX 826	Semivolatiles	Volatiles	Metals: As Ag Ba Cd Cr Pb Hg S	SAR / ESP / CEC	Anions (CI)	Cations (Ca, Mg, Na, K)	TPH: TX 1005 TX 1006	NP=Non-Potable Specify Other TPH: 418.1 8015M 801	DW=Drinking Water SL=Sludge GW = Groundwater S=Soli/Solid	DW=Drinking Water SL=Sludge	Other ( Specify)	None	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCI	HNO <sub>3</sub>	Ice	Total #. of Containers	Time Sampled	Date Sampled	Ending Depth	Beginning Depth		FIELD CODE	LAB # (lab use only)	PRODUCTORY OF THE
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age	2			7	tte	Ba	AC	J S	ate	ا ا	lame	čť Z	Project Name: Gates AAC Battery		1				20											Project Manager: Robert Asher	_	
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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 08, 2013

Robert Asher Yates Petroleum 105 South Fourth Street Artesia, NM 88210

TEL: (575) 748-4217

**FAX** 

RE: Gates AAC Battery

OrderNo.: 1309C36

#### Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/26/2013 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 qualifers 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order: 1309C36

Date Reported: 10/8/2013

Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** 

Yates Petroleum

Project:

Gates AAC Battery

Lab Order:

1309C36

Lab ID:

1309C36-001

Collection Date: 9/24/2013 10:00:00 AM

Matrix: SOIL

Analyses

RL Qual Units

**DF** Date Analyzed

**Batch ID** 

Analyst: JRR

**EPA METHOD 300.0: ANIONS** 

Client Sample ID: c09.0

Chloride

11000

Result

750

mg/Kg

500 10/4/2013 11:36:34 PM 9612

Lab ID:

1309C36-002

Collection Date: 9/24/2013 10:10:00 AM

Matrix: SOIL

Analyses

Client Sample ID: c10.0

RL Qual Units

**DF** Date Analyzed

**Batch ID** Analyst: JRR

**EPA METHOD 300.0: ANIONS** 

Chloride

12000

Result

mg/Kg

500 10/4/2013 11:48:59 PM 9612

Lab ID:

1309C36-003

750

Collection Date: 9/24/2013 10:20:00 AM

Matrix: SOIL

Analyses

Chloride

Client Sample ID: c11.0

Result

RL Qual Units

**DF** Date Analyzed

**Batch ID** 

Analyst: JRR

**EPA METHOD 300.0: ANIONS** 

13000

750

mg/Kg

500 10/5/2013 12:01:24 AM 9612

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 2

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1309C36

08-Oct-13

Client:

Yates Petroleum

Project:

Gates AAC Battery

Sample ID MB-9612

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

**PBS** 

Batch ID: 9612

PQL

1.5

RunNo: 13804

Units: mg/Kg

Analyte Chloride

Prep Date: 10/2/2013

Analysis Date: 10/2/2013

SeqNo: 394202

HighLimit

**RPDLimit** 

Qual

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 9612

RunNo: 13804

Prep Date: 10/2/2013

Sample ID LCS-9612

Analysis Date: 10/2/2013

PQL

1.5

SeqNo: 394203

Units: mg/Kg

HighLimit LowLimit

%RPD **RPDLimit** 

Result

Result

ND

99.1

%REC

90

Qual

Analyte

SPK value SPK Ref Val %REC LowLimit

110

%RPD

Chloride

15

15.00

SPK value SPK Ref Val

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 2 of 2



Tau Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Yates Petro	oleum Corporat	Work Order Number:	1309C36		RcptNo:	l
Received by/date:	AG (	59/26/13				
Logged By: Lindsay N	Mangin	9/26/2013 8:30:00 AM		July Hays		
Completed By: Lindsay N	Mangin	9/26/2013 9:18:09 AM		Andy Happ		
Reviewed By:	5 9/2/6/1	3 /6:00				
Chain of Custody	11041.	<del></del>		<del>-</del>		
1. Custody seals intact on s	sample bottles?		Yes	No 🗆	Not Present 🗹	
2. Is Chain of Custody com	plete?		Yes 🗸	No 🗆	Not Present	
3. How was the sample del	ivered?		FedEx			
Log In						
4. Was an attempt made to	o cool the samples?		Yes 🗌	No 🗹	NA 🗆	
5. Were all samples receive	ed at a temperature	of >0° C to 6.0°C	Approved I Yes  Approved I	No 🗸	na 🗆	
6. Sample(s) in proper con	tainer(s)?		Yes 🔽	No 🗆		
7. Sufficient sample volume	e for indicated test(s	)?	Yes 🗹	No 🗆		
8. Are samples (except VO	A and ONG) proper	y preserved?	Yes 🗸	No 🗆		
9. Was preservative added	to bottles?		Yes 🗌	No 🗹	NA 🗌	
10.VOA vials have zero hea	adspace?		Yes 🗌	No 🗆	No VOA Vials 🗹	
11. Were any sample conta	iners received broke	en?	Yes	No 🗹	# of preserved	_
40.5					bottles checked	
12.Does paperwork match I (Note discrepancies on a			Yes 🗹	No ∐	for pH:(<2 o	r >12 unless noted)
13. Are matrices correctly id	07,00	Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses	were requested?		Yes 🗹	No 🗆		
15. Were all holding times a			Yes 🗸	No □	Checked by:	
(If no, notify customer fo	or authorization.)					
Special Handling (if ag	oplicable)					
16. Was client notified of all		this order?	Yes	No 🗆	NA 🗹	
Person Notified:		Date:		200000000000000000000000000000000000000		]
By Whom:		Via:	eMail	Phone   Fax	☐ In Person	
Regarding:						
Client Instructions	::	<del></del>	700.00	·	A COLUMN	
17. Additional remarks:						<b>_</b>
18. Cooler Information					<i>ii</i>	
Cooler No Temp of 1 19.1		eal Intact   Seal No   t Present	Seal Date	Signed By		

HALL ENVIRONMENTAL	ALORY							(14	ر ناد	Y) zelddu8 ti	A													
M	2	07400	Eax 505-345-4107	101					YO.	V-ime2) 07S														
0		www.hallenvironmental.com	Eav. 505-345-4107	ty d				,		(AOV) 808S		+	+	+	+	$\dashv$			-	_	-	<u> </u>	4	
IR	]	nenta	705-3	Regil		s,BC	Dd	2808		18081 Pesticid		+	+	+	+	1				-		-		
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d □ Rush		Gates AAC Battery	,	30-015-25102	ager:	Robert Asher	PO# 103632	Same	Derature:	Preservative Type	NA AN	NA	¥X										X 09/2	predited laboration
_ □ Standard	Project Name:	<b>T</b>	Project #:		Project Manager:			Sampler:	Sample Temperature:	Container Type and #	1 - 4oz.	1 - 4oz.	1 - 4oz.										Received by:	ntracted to other ac
Yates Petroleum Corporation		105 S. Fourth Street	Artesia, NM 88210	4217	boba@yatespetroleum.com		☐ Level 4 (Full Validation)			Sample Request ID	0.600	c10.0	c11.0										ZAOL :	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited inhome than the subcontracted to other accredited in the subcontracted in the subcontrac
Petroleum		1	Artesia, I	575-748-4217	boba@y			□ Other		Matrix	Soil	Soil	Soil									]	Relinquished by	imples submitte
Yates		Mailing Address:		#.	r Fax#:	QA/QC Package:	dard	itation: AP	(Type)	Time	9/24/13 10:00A	9/24/13 10:10A	9/24/13 10:20A										Time:	recessary, sa
Client:		Mailing		Phone #:	email or Fax#:	QA/QC	□ Standard	Accreditation:	☐ EDD (Type)	Date	9/24/1	9/24/1.	9/24/1;								100		9(13/13 24-14 Date: Time:	Ħ



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

OrderNo.: 1308396

August 16, 2013

Robert Asher Yates Petroleum 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4217

FAX

RE: Gates AAC Battery

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/9/2013 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 qualifers 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

Lab Order: 1308396

Date Reported: 8/16/2013

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum Lab Order: 1308396 Project: Gates AAC Battery Lab ID: 1308396-001 Collection Date: 8/6/2013 10:00:00 AM Client Sample ID: c04.0 Matrix: SOIL **Analyses** Result RL Qual Units **DF** Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JRR Chloride 9200 750 mg/Kg 500 8/15/2013 12:10:16 AM 8834 Lab ID: 1308396-002 Collection Date: 8/6/2013 10:10:00 AM Client Sample ID: c05.0 Matrix: SOIL Analyses Result RL Qual Units **DF** Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JRR Chloride 14000 750 mg/Kg 500 8/14/2013 11:57:51 PM 8834 Lab ID: 1308396-003 Collection Date: 8/6/2013 10:20:00 AM Client Sample ID: c06.0 Matrix: SOIL Analyses Result RL Qual Units **DF** Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JRR Chloride 13000 750 mg/Kg 500 8/14/2013 11:45:27 PM 8834 Lab ID: 1308396-004 Collection Date: 8/6/2013 10:30:00 AM Client Sample ID: c07.0 Matrix: SOIL

14000 750 mg/Kg 500 8/15/2013 12:22:41 AM 8834 Lab ID: 1308396-005 Collection Date: 8/6/2013 10:40:00 AM

Client Sample ID: c08.0 Matrix: SOIL

12000

Result

Analyses Result RL Qual Units **DF** Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JRR Chloride

750

mg/Kg

RL Qual Units

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

#### Qualifiers:

Analyses

Chloride

**EPA METHOD 300.0: ANIONS** 

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank

**DF** Date Analyzed

500 8/15/2013 12:59:55 AM 8834

- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Page 1 of 2

**Batch ID** 

Analyst: JRR

- P Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1308396

16-Aug-13

Client: Project: Yates Petroleum

Gates AAC Battery

Sample ID MB-8834

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

**PBS** 

Batch ID: 8834

RunNo: 12612

Prep Date:

8/13/2013

SeqNo: 359095

Analyte

Result

Analysis Date: 8/13/2013

Units: mg/Kg

HighLimit

%RPD **RPDLimit**  Qual

Chloride

PQL 1.5

1.5

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 8834

ND

RunNo: 12612

Prep Date: 8/13/2013

Sample ID LCS-8834

SampType: LCS

SeqNo: 359096

Units: mg/Kg

Analyte

Analysis Date: 8/13/2013

SPK value SPK Ref Val %REC

HighLimit

%RPD

15.00

**RPDLimit** 

Qual

Chloride

**PQL** 

110

Result 15

SPK value SPK Ref Val %REC LowLimit

97.1

90

LowLimit

Qualifiers:

Е

Value exceeds Maximum Contaminant Level. Value above quantitation range

Analyte detected below quantitation limits J O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits В Analyte detected in the associated Method Blank

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit P Sample pH greater than 2 for VOA and TOC only.

Reporting Detection Limit

Page 2 of 2



#### Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name:	Yates Petroleum Corporat	Work Order Number:	1308396		RcptNo:	1
Received by/da	ite: I W	08/01/13				
Logged By:	Michelle Garcia	8/9/2013 9:25:00 AM		Michelle Garas	ં	
Completed By:	Michelle Garcia	8/9/2013 9:44:19 AM		Michelle Garan	: : \	
Reviewed By:	TO	08/69/13		quan	U	
Chain of Cu		T.				
1. Custody se	als intact on sample bottles?		Yes	No :	Not Present 🗸	
2. Is Chain of	Custody complete?		Yes 🗸	No .	Not Present	
3. How was th	ne sample delivered?		Client			
<u>Log In</u>			9			
4. Was an at	tempt made to cool the samples	?	Yes 🗸	No i	NA ;	
5. Were all sa	amples received at a temperatur	e of >0° C to 6.0°C	Yes	No i <b>√</b> i	NA ·	
0 -			Not req			
b. Sample(s)	in proper container(s)?		Yes 🗸	No l		
7. Sufficient s	ample volume for indicated test	(s)?	Yes 🗸	No :		
8. Are sample	es (except VOA and ONG) prop	erly preserved?	Yes 🗸	No i		
9. Was prese	rvative added to bottles?		Yes	No 🗸	NA !	
10.VOA vials	have zero headspace?		Yes	No !	No VOA Vials	
11, Were any	sample containers received bro	ken?	Yes	No 🗸	#	
		r v		. [	# of preserved bottles checked	
	rwork match bottle labels? repancies on chain of custody)		Yes 🗸	No 📗	for pH:	or >12 unless noted)
	es correctly identified on Chain	of Custody?	Yes 🗸	No	Adjusted?	or F12 diffees floted)
	what analyses were requested?		Yes 🗸	No		
15. Were all h	olding times able to be met?  y customer for authorization.)		Yes 🗸	No :	Checked by:	
Special Hear	allian (if an alicable)					
	dling (if applicable)			00 # N		
16, vvas client	notified of all discrepancies wit	n this order?	Yes	No	NA :✔	T
	on Notified:	Date:	A ANTONIO AND TAXONICA AND AND AND AND AND AND AND AND AND AN	AND THE PARTY OF T		1
	Vhom:	Via:	eMail :	Phone : Fax	: In Person	;
	arding:		atheritation and all articles are an articles and articles and articles are an articles and a design and a de			:
17. Additional	nt Instructions:					1
18. Cooler In		Seal Intact   Seal No	Seel Data	Dinner D. I		
1		lot Present	Seal Date	Signed By		

Yates Petroleum Corporation	[	· ·		
		Rush	ANAL)	<b>ANALYSIS LABORATORY</b>
1	Project Name:		www.halle	www.hallenvironmental.com
105 S. Fourth Street	Gates A/	Gates AAC Battery	4901 Hawkins NE - /	- Abuquerque, NM 87109
Artesia, NM 88210	Project #:		Tel. 505-345-3975	Fax 505-345-4107
	30-015-25102	5102	An	Analysis Request
boba@yatespetroleum.com	Project Manager:		ıly)	(*(
lidation)	Robert Asher	sher 632	Gas or	
1	Sampler: Same On Ice	I INPUT	) H9T ( 6) 831 (1.8	/ 8082
	Terz	1 P/2 ()	+ 38 80, 14 th 150 14 1	NO/
Sample Request ID	Container Preservative Type and # Type	ive HEAL No.	BTEX + MTE BTEX + MTE TPH (Method EDB (Method EDB (Method	PACRA 8 Met (P. (2) (P
c04.0	1 - 4oz.	(00)		×
c05.0	1 - 4oz. NA	۳99)		×
c06.0	- 4oz. NA		a and	×
c07.0	1 - 4oz. NA	HOU		×
c08.0	1 - 4oz.	500-		×
(1)				
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	¥			
		j		
S S	180	W/B MZ	Remarks: Chlorides only.	C office of the state of the st
Re	Received by:	Date Time		OF INCOME.



July 15, 2013

ROBERT ASHER
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: GATES AAC BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/10/13 8:00.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/10/2013

Reported:

07/15/2013

Project Name: Project Number: **GATES AAC BATTERY** 

30-015-25102

Project Location:

EDDY COUNTY, NM

Sampling Date:

07/05/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

#### Sample ID: C01.0 (H301607-01)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	
Surrogate: 1-Chlorooctane	84.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.8	% 63.6-15	4						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celey & Keens



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 (505) 748-4635

Fax To:

Received: Reported: 07/10/2013

07/15/2013

**GATES AAC BATTERY** 30-015-25102

Project Number: Project Location:

Project Name:

EDDY COUNTY, NM

Sampling Date:

07/05/2013

Sampling Type: Sampling Condition:

Soil Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: C02.0 (H301607-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050 0.050		07/13/2013	ND	2.00 100		2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 % 89.4-12		6					MIDS STORY	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	
Surrogate: 1-Chlorooctane	71.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	76.2 % 63.6-1		4						

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Celey D. Krene



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

Received:

07/10/2013

Reported:

07/15/2013

Project Name:

GATES AAC BATTERY

Project Number: Project Location: 30-015-25102

EDDY COUNTY, NM

Sampling Date:

07/05/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: C03.0 (H301607-03)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 89.4-12	6						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	
Surrogate: 1-Chlorooctane	90.4% 65		0						
Surrogate: 1-Chlorooctadecane	90.6 % 63.6-1		4						

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Celey D. Keine



#### **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.

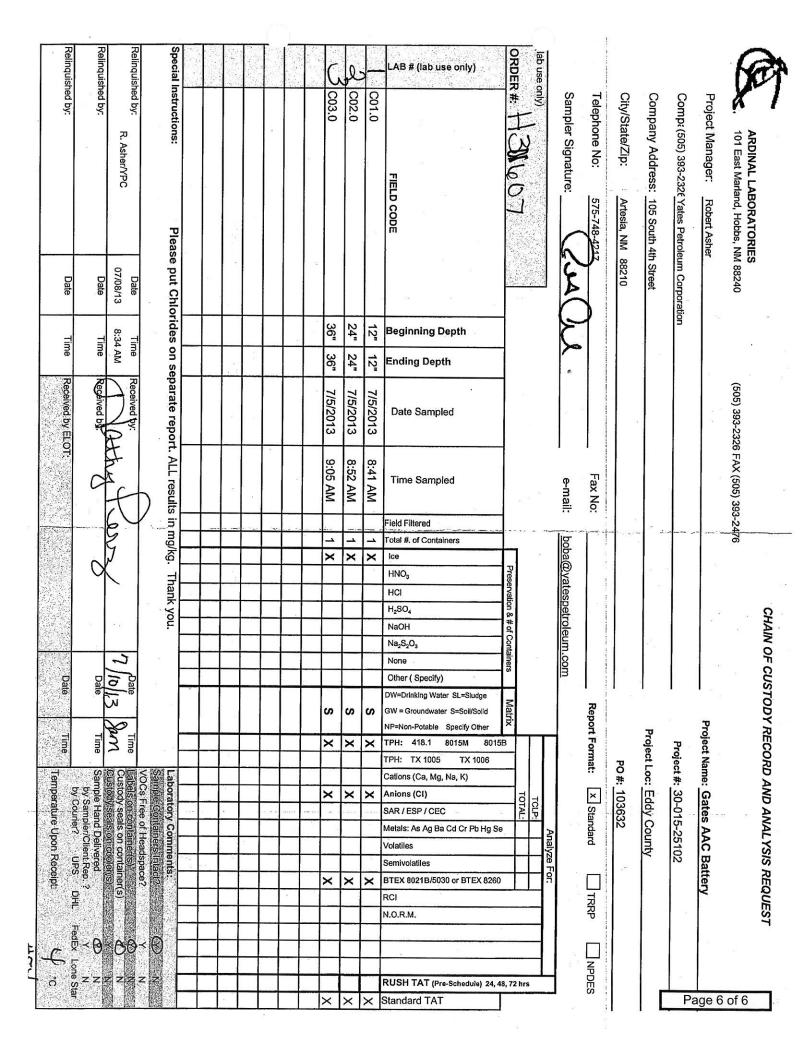
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene





July 15, 2013

ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: GATES AAC BATTERY

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Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



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

Received:

07/10/2013

Reported: 07/15/2013

Project Name: Project Number: GATES AAC BATTERY

Project Location:

30-015-25102

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

07/05/2013 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: C01.0 (H301607-01)

Chloride,	SM4500CI-B
-----------	------------

Chloride

mg/kg

Analyzed By: AP

Analyte

Result 6930 Reporting Limit 16.0

Analyzed 07/11/2013

Method Blank ND BS 400 % Recovery

True Value QC 400 RPD 3.92 Qualifier

#### Sample ID: C02.0 (H301607-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	07/11/2013	ND	400	100	400	3.92	

#### Sample ID: C03.0 (H301607-03)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14300	16.0	07/11/2013	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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

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Celeg & Keine

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