MARTIN YATES. III

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

JOHN A. YATES JR.

DOUGLAS E. BROOKS
PRESIDENT
CHIEF EXECUTIVE OFFICER

JOHN D. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

November 9, 2015

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

Re:

Harkey 35 State #1

30-015-25812

Section 35, T24S-R27E Eddy County, New Mexico

Dear Mr. Bratcher or Ms. Patterson:

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on April 21, 2015 (2RP-2997). The release was 30 barrels of produced water released, with 15 barrels of produced water recovered.

The release occurred when the water pump failed to start causing the produced water tank to overflow. The release took place inside of an unlined bermed battery; however, some of the produced water seeped through the dirt berm. The release area was split into two sections and sampled for TPH, BTEX and Chlorides.

Section 1 is labeled as the section of the release outside of the berm. On 6/10/2015 initial samples were pulled from the surface and results showed TPH/BTEX levels below NMOCD RRALs and Chlorides to be under 250 ppm. No further sampling was conducted and no excavation will take place for this section of the release area.

Section 2 is labeled as the section of the release inside the berm. On 6/10/2015 initial samples that were pulled from the surface and showed BTEX below NMOCD RRALs, TPH above NMOCD RRALs and elevated Chloride levels. As a result of the elevated TPH and Chlorides, Yates conducted further sampling for both constituents on 8/24/2015. The further sampling showed decreases in both TPH and Chloride levels. Yates proposes to excavate 1.5' of soils from this section of the release and backfill with like materials. All impacted soils will be hauled to a NMOCD approved disposal facility.

At the completion of excavation and backfill of Section 2 a Final C-141 will be submitted to NMOCD requesting closure of this site.

Attached you will find all initial analytical results and a site diagram.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at <a href="mailto:agriffin@yatespetroleum.com">agriffin@yatespetroleum.com</a>.

Thank You,

Amber Griffin

Environmental Regulatory Agent Yates Petroleum Corporation

# YATES PETROLEUM CORPORATION

Harkey 35 State #1

Monday, November 09, 2015

NW Slope / Flow Release Area SW SE

# Harkey 35 State #1

	Sample Area	Samp	e Date Analytical Report	Sample Type	Depth	BTEX GRO DRO	GRO	DRO	TOTAL	TOTAL Chlorides
1 - Surface	Release Area	6/10	H501578	Grab/Auger	Surface	QN	QN	ND 22.2	22.2	224
2 - Surface	Release Area	6/10/2015	H501578	Grab/Auger	Surface	4.24	93.1	93.1 3,300	3,393.1	2,520
2-1'	Release Area	8/24/2015	1508E39	Grab/Auger	1.	ND	ND	31	31	2,300
2-2'	Release Area	8/24/2015	1508E39	Grab/Auger	2.	QN	QN	24	24	900
2-3'	Release Area	8/24/2015	1508E39	Grab/Auger	3,	ND	QN	ND	ND	310

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 60', per ChevronTexaco Trend Map).

All results are ppm.

Released: 30 B/PW; Recovered: 15 B/PW. Release Date: 4/21/2015. 2RP-2997



June 22, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: HARKEY 35 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 06/17/15 16:45.

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



#### Analytical Results For:

YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street

Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

06/17/2015

Sampling Date:

06/10/2015

Reported:

Chloride

06/22/2015

Sampling Type:

Soil

Project Name:

HARKEY 35 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

2RP-2997

2520

16.0

Sample Received By:

416

104

400

0.00

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: 1 - SURFACE (H501578-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/18/2015	ND	416	104	400	0.00	
Sample ID: 2 - SURFACE	(H501578-02)	ì							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

06/18/2015

Cardinal Laboratories \*=Accredited Analyte

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Celeg to treens-



#### **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

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June 22, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: HARKEY 35 STATE #1

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Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

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Regulated VOCs (V1, V2, V3)

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Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

(505) 748-4635

Received:

06/17/2015

Sampling Date:

06/10/2015

Reported:

06/22/2015

Sampling Type:

Soil

Project Name:

HARKEY 35 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

2RP-2997

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: 1 - SURFACE (H501578-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2015	ND	1.90	95.0	2.00	0.282	
Toluene*	<0.050	0.050	06/19/2015	ND	1.90	94.8	2.00	0.258	
Ethylbenzene*	<0.050	0.050	06/19/2015	ND	2.01	100	2.00	0.289	
Total Xylenes*	<0.150	0.150	06/19/2015	ND	5.53	92.2	6.00	0.300	
Total BTEX	<0.300	0.300	06/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 61-154	1			10.190.2100.100.100.000.000			
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	06/19/2015	ND	185	92.7	200	2.20	
DRO >C10-C28	22.2	10.0	06/19/2015	ND	199	99.3	200	0.567	
Surrogate: 1-Chlorooctane	98.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118	% 52.1-17	6						

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\*=Accredited Analyte

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Celeg & Krene-



#### Analytical Results For:

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

Fax To:

(505) 748-4635

Received:

06/17/2015

Sampling Date:

06/10/2015

Reported:

06/22/2015

Sampling Type:

Soil

Project Name:

HARKEY 35 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

2RP-2997

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: 2 - SURFACE (H501578-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2015	ND	1.90	95.0	2.00	0.282	
Toluene*	0.509	0.050	06/19/2015	ND	1.90	94.8	2.00	0.258	
Ethylbenzene*	0.201	0.050	06/19/2015	ND	2.01	100	2.00	0.289	
Total Xylenes*	3.53	0.150	06/19/2015	ND	5.53	92.2	6.00	0.300	
Total BTEX	4.24	0.300	06/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.7	% 61-154	1						
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	93.1	10.0	06/19/2015	ND	185	92.7	200	2.20	
DRO >C10-C28	3300	10.0	06/19/2015	ND	199	99.3	200	0.567	
Surrogate: 1-Chlorooctane	123	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	165	% 52.1-17	<b>'</b> 6						

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Celey to Krene



ND

#### **Notes and Definitions**

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature,

Analyte NOT DETECTED at or above the reporting limit

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

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Celeg to Kreene



# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

relinquisned by:	Relinquished by	Rejinquished by	Special Instructions						N		LAB # (láb use only)	ORDER #: *	(lab use only)								60	
by:	ex (annon	d by:	structions:						2 - Surface	1 - Surface	FIELD	#150518		Sampler Signature:	l elephone No:	onyrounderp.		Company Address:	Company Name	Project Manager:	ARDINAL LA 101 East Mark	
Date	U 17/15 Date	separate report.	TPH: 8015B, BTI							II.	FIELD CODE	×	3	ambal	575-748-4111 or 575-513-8799	ATESIA, NM 88210		105 South 4th Street	Yates Petroleum Corporation	Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	
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<del>6</del> 2	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ?	Sample Containers Intact? VOCs Free of Headspace?	<u> </u>	+	4	_	$\bot$		_	-	letals: As Ag Ba Cd Cr Pb Hg	Se			x Standard						A	
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٥	0									T		-	+1	:	Z							
Sta	य(द्रोद्वि) य य	2 Z								RI	USH TAT (Pre-Schedule) 24, 4	48, 72 h	s		NPDES							
			_					×	×	AND DESCRIPTION OF	andard TAT	CONTRACTOR CONTRACTOR		Ċ	'n				Ė	Pag	ge 5 of 5	5



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

OrderNo.: 1508E39

September 04, 2015

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

FAX

RE: Harkey 35 State #1

#### Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/28/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <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

Lab Order: 1508E39

Date Reported: 9/4/2015

1508E39

Hall Environmental Analysis Laboratory, Inc.

CLIENT:

Yates Petroleum Corporation

Project:

Harkey 35 State #1

Lab ID:

Client Sample ID: 2-1'

1508E39-001

Collection Date: 8/24/2015 7:10:00 AM

Lab Order:

Matrix: SOIL

Analyses

Result

2300

RL Qual Units

**DF** Date Analyzed

**Batch ID** 

**EPA METHOD 300.0: ANIONS** Chloride

75

mg/Kg

Analyst: LGT 50 9/3/2015 12:59:04 AM 21081

Lab ID:

1508E39-002

Collection Date: 8/24/2015 7:20:00 AM

Matrix: SOIL

Analyses

Client Sample ID: 2-2'

RL Qual Units

**DF** Date Analyzed

**Batch ID** 

**EPA METHOD 300.0: ANIONS** 

Chloride

900

Result

mg/Kg

20 9/1/2015 11:13:33 AM 21081

Analyst: LGT

Lab ID:

Analyses

Chloride

1508E39-003

30

Collection Date: 8/24/2015 7:30:00 AM

Matrix: SOIL

Client Sample ID: 2-3'

RL Qual Units

**DF** Date Analyzed

**Batch ID** 

Analyst: LGT

**EPA METHOD 300.0: ANIONS** 

310

Result

30

mg/Kg

20 9/1/2015 11:25:58 AM 21081

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

S % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 1 of 2

P Sample pH Not In Range

Reporting Detection Limit RL

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1508E39

04-Sep-15

Client:

Yates Petroleum Corporation

Project:

Harkey 35 State #1

Sample ID MB-21081

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 21081

RunNo: 28611

Prep Date: 9/1/2015

SeqNo: 865503

Analysis Date: 9/1/2015

Units: mg/Kg

Analyte

Result **PQL** SPK value SPK Ref Val %REC LowLimit

HighLimit

Chloride

ND

TestCode: EPA Method 300.0: Anions

%RPD **RPDLimit** 

Qual

Sample ID LCS-21081

Prep Date: 9/1/2015

LCSS

SampType: LCS

RunNo: 28611

SeqNo: 865504

Units: mg/Kg

Analyte

Client ID:

Batch ID: 21081 Analysis Date: 9/1/2015

PQL

15.00

90

Qual

Chloride

14

1.5

110

Result

**RPDLimit** 

93.9

SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD

D

S

Qualifiers: Value exceeds Maximum Contaminant Level.

% Recovery outside of range due to dilution or matrix

- Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND
- Not Detected at the Reporting Limit RPD outside accepted recovery limits R
- В Analyte detected in the associated Method Blank
- E Value above quantitation range

Reporting Detection Limit

- P Sample pH Not In Range

RL

Analyte detected below quantitation limits 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

						The second liverage and the se
Client Name:	Yates Petroleum Corporat	Work Order Number:	1508E39		RcptNo:	1
Received by/date	e: AC	08/28/17			8	
Logged By:	Lindsay Mangin	8/28/2015 2:08:00 PM		Judy Allego		
Completed By:	Lindsay Mangin	8/31/2015 6:28:40 AM		Juney Hoggs		
Reviewed By:	$Q_n$	08/31/15				
Chain of Cus	tody	00/3//15				Ŀ
	als intact on sample bottles?		Yes	No 🗆	Not Present	
2. Is Chain of C	Custody complete?		Yes 🗹	No 🗆	Not Present	
3. How was the	e sample delivered?		Courier			
Log In						
4. Was an atte	empt made to cool the sample	es?	Yes 🖈	No 🗆	NA 🗆	
5. Were all sar	mples received at a temperat	ure of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) i	in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sa	ample volume for indicated te	st(s)?	Yes 🕏	No 🗆		
8. Are samples	s (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗆		
9. Was preser	vative added to bottles?		Yes 🗌	No 🗷	NA 🗌	
10.VOA vials h	ave zero headspace?		Yes 🗌	No 🗆	No VOA Vials 🗹	
11. Were any s	sample containers received b	roken?	Yes 🗆	No 🐼	# of preserved	± 130 € 1
			ra .	[7]	bottles checked	
	rwork match bottle labels? epancies on chain of custody	)	Yes 🗹	No □	for pH: (<2 d	or >12 unless noted)
N (1000 M (2000 M (20	s correctly identified on Chair		Yes 🐼	No 🗆	Adjusted?	
14. Is it clear w	hat analyses were requested	?	Yes 🗹	No 🗆		
	olding times able to be met? y customer for authorization.)		Yes 🗹	No 🗌	Checked by:	
Special Hand	dling (if applicable)					
	notified of all discrepancies v	vith this order?	Yes 🗌	No 🗆	NA 🗹	
1	on Notified:	Date:		CONTROL OF THE PROPERTY OF THE		
V. 15.15.1	/hom:	Via:	eMail	Phone Fax	☐ In Person	Ļ
	arding:	A Service		]	The same of the sa	
i i	t Instructions:	HER BUT OF HUMANIA SOCIETY OF THE STATE OF T		CONTRACTOR MANAGEMENT	A REPUBLICANIA REPUBLICANIA PROPERTY OF THE PR	
17. Additional	2000 C 300 400 S 400 C 300 C 3					1
18. Cooler Int	<u>formation</u>					
Cooler	No Temp °C Condition	Seal Intact   Seal No	Seal Date	Signed By		
1	2.4 Good	Yes		Notes with a page of the page	1	

AL	ANALYSIS LABORALORY				-			(N	10 人,	-9le	ddu8 niA	1				+	+	+	+	1	+				Please show BIEA e show on a		sport.
HALL ENVIRONMENTAL	)  -		0													1	1	-	1	1	1	_	_	-∤	8015B, BTEX: 8021B. Please snow Chloride results please show on a		alytical re
M	2	_	4901 Hawkins NE - Albuquerque, NM 87109	107					(AUV	-iwe	8270 (Se	$\dashv$		-	+	+	+	+	+	$\dashv$	+	+	-	$\dashv_i$	Pleas se sho		the ans
Z	180	www.hallenvironmental.com	Z.	Fax 505-345-4107	<u> </u>	,					/) 809Z8	$\dashv$		<u> </u>	t	十	$\dagger$	$\dagger$	$\dashv$	7	$\top$	十	7		8021B. Its pleas		ated or
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回	ξ.	llenv	- AR	•	Inally						RCRA 8			igert	1	4	4	4	_	4	4	$\dashv$	$\dashv$	_	8015B, BTEX: Chloride resu		Jata wil
4	¥	w.ha	W	3975				70			8310 (PN			-	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$		-	$\dashv$	w		acted (
Ĭ	Z Z	≸	vkins	345				(55.18)/ 	(i) 2329 (c) C (c)		EDB (Me	_		-	╁	+	+	$\dashv$	$\dashv$	-	$\dashv$		$\dashv$		TPH: ng/kg.		p-confi
			Hav	Tel. 505-345-3975		SOIC	Cas/				IJaM HQT	×	×	;	$\prec$	+	7	1	$\neg$		$\dashv$				SE TISE		Any St
			4901	Tel.							BTEX + N			$\dagger$	1	1									Remarks: TPH: results as mg/kg.		slbllity.
						(120	8) e'8	IM.	1+3	atr	BŢEX + N	×	×	4 3	×												sod sir
			ate #1		7		ffin 020	70	Amber Griffin 7/C	1.5 +0.3=34.	HEALING.	100-	250		-035										Date Time 08 28 15 1408	Date Time	es. This serves as notice of t
Lime:	□ Rush	•.•	Harkey 35 State #1		2RP-2997	ger:	Amber Griffin PO # 205-2020		Ami X Yes	emperature: 8.	Preservativ e Type	<u>u</u>	10.	3	팅										200	<del></del>	accredited laboratori
Turn-Around Time:	Standard	Project Name		Project #:		Project Manager			Sampler: On Ice:	Sample Tem	Container Type and #	4 403	1 - 402.	1 - 40z.	1 - 4oz.										Received by,	Received by:	contracted to other
Chain-of-Custody Record				treet Artesia NM 88210	675-843-8799 or 575-748-4111		( - ( ) - (	☐ Level 4 (Full Validation)	- Other		ne Matrix Sample Request ID	2-1.	7:10 Soil 2-1	7:20 Soil 2-2'	7:30 Soil   2 - 3'										Relinquished by:	Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
hain.	Yates		ddress:	44 Ath G	111111111111111111111111111111111111111	Fax#:	ackage:	lard	ation:	(Type)	Time	L					-	+	-	+	+	+	+	+	iğe Li		H necess
ပ	Client:		Mailing Address:	200	mos col	email or Fax#:	QA/QC Package:	□ Standard	Accreditation:	□ EDD (Type)	Date		8/24/2015	8/24/2015	8/24/2015										Date:	Date:	



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

September 04, 2015

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

FAX

RE: Harkey 35 State #1

OrderNo.: 1508E39

#### Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/28/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <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

#### Lab Order 1508E39

Date Reported: 9/4/2015

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum Corporation

Project: Harkey 35 State #1

Lab ID: 1508E39-001

Client Sample ID: 2-1'

Collection Date: 8/24/2015 7:10:00 AM

Received Date: 8/28/2015 2:08:00 PM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	: JME
Diesel Range Organics (DRO)	31	9.8	mg/Kg	1	8/31/2015 11:32:58 PM	21058
Surr: DNOP	114	57.9-140	%REC	1	8/31/2015 11:32:58 PM	21058
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2015 11:41:18 PM	21055
Surr: BFB	85.0	75.4-113	%REC	1	9/1/2015 11:41:18 PM	21055
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.048	mg/Kg	1	9/1/2015 11:41:18 PM	21055
Toluene	ND	0.048	mg/Kg	1	9/1/2015 11:41:18 PM	21055
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2015 11:41:18 PM	21055
Xylenes, Total	ND	0.095	mg/Kg	1	9/1/2015 11:41:18 PM	21055
Surr: 4-Bromofluorobenzene	96.9	80-120	%REC	1	9/1/2015 11:41:18 PM	21055

Matrix: SOIL

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 8

P Sample pH Not In Range

RL Reporting Detection Limit

#### Lab Order 1508E39

Date Reported: 9/4/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Project: Harkey 35 State #1

1508E39-002 Lab ID:

Client Sample ID: 2-2'

Collection Date: 8/24/2015 7:20:00 AM

Received Date: 8/28/2015 2:08:00 PM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	: JME
Diesel Range Organics (DRO)	24	9.8	mg/Kg	1	8/31/2015 11:54:39 PM	1 21058
Surr: DNOP	116	57.9-140	%REC	1	8/31/2015 11:54:39 PM	1 21058
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/2/2015 12:06:38 AM	21055
Surr: BFB	83.0	75.4-113	%REC	1	9/2/2015 12:06:38 AM	21055
<b>EPA METHOD 8021B: VOLATILES</b>					Analys	: NSB
Benzene	ND	0.049	mg/Kg	1	9/2/2015 12:06:38 AM	21055
Toluene	ND	0.049	mg/Kg	1	9/2/2015 12:06:38 AM	21055
Ethylbenzene	ND	0.049	mg/Kg	1	9/2/2015 12:06:38 AM	21055
Xylenes, Total	ND	0.098	mg/Kg	1	9/2/2015 12:06:38 AM	21055
Surr: 4-Bromofluorobenzene	94.4	80-120	%REC	1	9/2/2015 12:06:38 AM	21055

Matrix: SOIL

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 8 J

P Sample pH Not In Range

RL Reporting Detection Limit

#### Lab Order 1508E39

Date Reported: 9/4/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum Corporation

Harkey 35 State #1

1508E39-003 Lab ID:

Client Sample ID: 2-3'

Collection Date: 8/24/2015 7:30:00 AM

Received Date: 8/28/2015 2:08:00 PM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	S			Analyst	: JME
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/1/2015 12:16:12 AM	21058
Surr: DNOP	115	57.9-140	%REC	1	9/1/2015 12:16:12 AM	21058
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/2/2015 12:31:50 AM	21055
Surr: BFB	87.5	75.4-113	%REC	1	9/2/2015 12:31:50 AM	21055
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.048	mg/Kg	1	9/2/2015 12:31:50 AM	21055
Toluene	ND	0.048	mg/Kg	1	9/2/2015 12:31:50 AM	21055
Ethylbenzene	ND	0.048	mg/Kg	1	9/2/2015 12:31:50 AM	21055
Xylenes, Total	ND	0.096	mg/Kg	1	9/2/2015 12:31:50 AM	21055
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	9/2/2015 12:31:50 AM	21055

Matrix: SOIL

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 8 J

- P Sample pH Not In Range
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1508E39 04-Sep-15

Client:

Yates Petroleum Corporation

Project:

Harkey 35 State #1

Troject. Traincy 3	J State #1									Keep on the Colon of the Colon
Sample ID MB-21058	SampTy	pe: MB	LK	Tes	tCode: EF	A Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: <b>21</b> 0	058	F	RunNo: 28	3546				
Prep Date: 8/31/2015	Analysis Da	ate: 8/	31/2015	S	SeqNo: 80	64018	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		104	57.9	140			
Sample ID LCS-21058	SampTy	pe: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: <b>21</b> 0	058	F	RunNo: 2	8546				
Prep Date: 8/31/2015	Analysis Da	ate: 8/	31/2015	8	SeqNo: 8	64019	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.1	57.4	139	A Principle Company of the Company o	LI	THE RESERVE THE SHEET OF THE SH
Surr: DNOP	4.9		5.000		97.8	57.9	140			

#### Qualifiers:

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

Page 4 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1508E39

04-Sep-15

Client:

Yates Petroleum Corporation

	Vates Petroleum Corporation
Project: I	Iarkey 35 State #1
Sample ID MB-2105	9 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 21059 RunNo: 28590
Prep Date: 8/31/20	5 Analysis Date: 9/1/2015 SeqNo: 865117 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	870 1000 86.7 75.4 113
Sample ID LCS-210	59 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 21059 RunNo: 28590
Prep Date: 8/31/20	15 Analysis Date: 9/1/2015 SeqNo: 865118 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	940 1000 93.8 75.4 113
Sample ID MB-2105	5 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 21055 RunNo: 28590
Prep Date: 8/31/20	15 Analysis Date: 9/1/2015 SeqNo: 865124 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics	· ·
Surr: BFB	890 1000 88.5 75.4 113
Sample ID LCS-210	55 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: <b>21055</b> RunNo: <b>28590</b>
Prep Date: 8/31/20	15 Analysis Date: 9/1/2015 SeqNo: 865125 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics	
Surr: BFB	1100 1000 112 75.4 113
Sample ID MB-2108	6 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 21086 RunNo: 28617
Prep Date: 9/1/201	5 Analysis Date: 9/2/2015 SeqNo: 866257 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	840 1000 84.1 75.4 113
Sample ID LCS-210	86 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 21086 RunNo: 28617
Prep Date: 9/1/201	5 Analysis Date: 9/2/2015 SeqNo: 866258 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	930 1000 93.0 75.4 113

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 5 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1508E39

04-Sep-15

Client:

Yates Petroleum Corporation

Project:

Harkey 35 State #1

Sample ID MB-21089

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 21089

PQL

RunNo: 28617

9/1/2015

Analysis Date: 9/2/2015

%REC

Prep Date:

Analyte

Result

SPK value SPK Ref Val

SeqNo: 866273

LowLimit

75.4

TestCode: EPA Method 8015D: Gasoline Range

Units: %REC

HighLimit

%RPD

Qual

Surr: BFB

880

1000

87.6

113

**RPDLimit** 

Batch ID: 21089

RunNo: 28617

Prep Date: 9/1/2015

Sample ID LCS-21089

LCSS

SampType: LCS Analysis Date: 9/2/2015

SeqNo: 866274

Units: %REC

Analyte

Client ID:

Result

PQL SPK value SPK Ref Val %REC

97.2

LowLimit

HighLimit

**RPDLimit** 

Qual

75.4

113

%RPD

Surr: BFB

970

1000

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit Page 6 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1508E39

04-Sep-15

Client:

Yates Petroleum Corporation

Client: Project:		etroleum Co 35 State #1	rporatio	on							
Project:		33 State #1									
Sample ID	MB-21059	SampT	ype: ME	BLK	Test	Code: EF	A Method	8021B: Volat	iles		
Client ID:	PBS	Batch	ID: 21	059	R	tunNo: 28	8590				
Prep Date:	8/31/2015	Analysis D	ate: 9/	1/2015	S	SeqNo: 80	65148	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.0		1.000		103	80	120			
Sample ID	LCS-21059	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batch	ID: <b>21</b>	059	F	RunNo: 28	8590				
Prep Date:	8/31/2015	Analysis D	ate: 9/	1/2015	S	SeqNo: 8	65149	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.1		1.000		106	80	120	PULL BOOK TO THE STREET STREET		And the second s
Sample ID	MB-21055	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batch	ID: <b>21</b>	055	F	RunNo: 2	8590				
Prep Date:	8/31/2015	Analysis D	ate: 9/	1/2015	8	SeqNo: 8	65154	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								The state of the s
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.0		1.000		104	80	120			
Sample ID	LCS-21055	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batch	ı ID: <b>21</b>	055	F	RunNo: 2	8590				
Prep Date:	8/31/2015	Analysis D	ate: 9/	1/2015	\$	SeqNo: 8	65155	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	102	80	120			
Toluene		0.99	0.050	1.000	0	99.3	80	120			
Ethylbenzene		1.0	0.050	1.000	0	102	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Brom	nofluorobenzene	1.2	(madella management)	1.000		116	80	120			
Sample ID	MB-21086	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		THE PROPERTY OF THE PARTY OF TH
Client ID:	PBS	Batch	n ID: 21	086	F	RunNo: 2	8617				
Prep Date:	9/1/2015	Analysis D	oate: 9	/2/2015	5	SeqNo: 8	66291	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

H Holding times for preparation or analysis exceeded

0.97

1.000

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

80

120

E Value above quantitation range

97.3

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 7 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1508E39

04-Sep-15

Client:

Yates Petroleum Corporation

Project:

Harkey 35 State #1

Sample ID LCS-21086

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

80

Client ID:

LCSS

Batch ID: 21086

RunNo: 28617

Prep Date: 9/1/2015

Analysis Date: 9/2/2015

**PQL** 

SeqNo: 866292

Units: %REC

120

Analyte

104

Surr: 4-Bromofluorobenzene

Result 1.0 SPK value SPK Ref Val %REC 1.000

HighLimit

**RPDLimit** 

Qual

Sample ID MB-21089

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

%RPD

%RPD

Client ID:

PBS

Batch ID: 21089

RunNo: 28617

Prep Date: 9/1/2015

Analysis Date: 9/2/2015 PQL

SeqNo: 866297

Units: %REC

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit HighLimit

Surr: 4-Bromofluorobenzene

1.0

1.000

103

120

**RPDLimit** 

Qual

Sample ID LCS-21089

Client ID: LCSS

Prep Date:

SampType: LCS

Batch ID: 21089

Analysis Date: 9/2/2015

TestCode: EPA Method 8021B: Volatiles

RunNo: 28617 SeqNo: 866298

Units: %REC

Qual

Analyte

9/1/2015

Result

SPK value SPK Ref Val %REC LowLimit 111

HighLimit

**RPDLimit** %RPD

Surr: 4-Bromofluorobenzene

1.1

1.000

80

120

#### Qualifiers:

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

Page 8 of 8



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 Petrole	um Corporat	Work Ord	er Number:	1508E3	19		F	ReptNo: 1	
Received by/date	e:	Al	08/28	15			w	*		
Logged By:	Lindsay Man	ngin	8/28/2015 2	:08:00 PM			June Hay	)		İ
Completed By:	Lindsay Mar	ngin	8/31/2015 6	:28:40 AM			Juney Hogge	)		
Reviewed By:		2.	08/31	1/1-						
Chain of Cus	tody	A	00/31	113						ı
1. Custody sea	als intact on san	nple bottles?			Yes	]	No 🗆	Not Prese	ent 🐼	
2. Is Chain of C					Yes		No 🗆	Not Prese	ent 🗌	
3. How was the	e sample delive	red?			Courie	19				
Log In										
4. Was an atte	empt made to c	ool the sample	s?		Yes		No 🗆		na 🗌	
5. Were all sai	mples received	at a temperatu	re of >0° C to	6.0°C	Yes		No 🗆	ı	NA 🗆	
6. Sample(s) i	in proper contai	ner(s)?			Yes		No 🗆			
7. Sufficient sa	ample volume fo	or indicated tes	t(s)?		Yes		No 🗆			
8. Are samples	s (except VOA	and ONG) prop	erly preserved	17	Yes		No 🗌			
9. Was preser	vative added to	bottles?			Yes		No 🗹	1	NA 🗌	
10.VOA vials h	nave zero heads	space?			Yes		No 🗆	No VOA V	ials 🕏	
11. Were any s	sample containe	ers received bro	ken?		Yes		No 🐼	#		
							-	# of preser		
12. Does paper	rwork match bot epancies on cha				Yes		No 🗀	for pH:	(<2 o	r >12 unless noted)
13. Are matrice			of Custody?		Yes		No 🗆	Adju	isted?	,
14. Is it clear w							No 🗆			
15. Were all ho					Yes		No 🗆	Chec	cked by:	
(If no, notify	y customer for a	uthorization.)						1		
Special Han	dlina (if ann	licable)								
16. Was client			th this order?		Yes	П	No □		NA 🐼	
ĺ		screpationes wi	ur tille order i		4 700 A 71 75 80W II 75 80W			e e	147 (142)	Ĩ
	on Notified:	-		Date:			Dhana 🗆 Fa	. [7] In Daw		
	/hom: arding:	and the artists of a section of the artists with the	en Metrical des des de la maior esta esta esta esta esta esta esta esta	Via:	eMa	III []	Phone Fa	x In Perso	)U	
	it Instructions:					MATERIAL STATES			***********	
17. Additional										ļ
18. Cooler Int		Condition	Seal Intact	Seal No	Seal Da	ate I	Signed By	1		
1	2.4		Yes							

Chain-of-Custody Client: Yates Petroleum Corpo Mailing Address:  105 South 4th Street Artesia, NM Phone #: 575-513-8799 o email or Fax#: agriffin@yatespo aA/QC Package:  □ Standard Accreditation: □ Standard Accreditation: □ Date Time Matrix Sar  8/24/2015 7:10 Soil 2 - 1' 8/24/2015 7:30 Soil 2 - 3' 8/24/2015 7:30 Soil 2 - 3'	ration ration r575-748-4111 el 4 (Full Validation) nple Request ID	Turn-Around Time:  Project Name:  Project #:  2RP Project #:  Ambe  Sampler:  On Ice:  Container  Type and # e Typ  1 - 4oz. ICE   Amber PO # 2 PP Bradure:	State #1  2997  Griffin  05-2020  Amber Griffin  160 + 10 3 = 2 40 40 40 40 40 40 40 40 40 40 40 40 40	A × × BTEX + MTBE + TMB's (8021)	## BTEX + MTBE + TPH (Gas onl)  ### REA + TPH (Gas onl)  ### Read only Big 1	## Not of the control	# (F.40d 504) OF 88	### ### ### ### ### ### ### ### ### ##	Sold   Sold	O A B B B B B B B B B B B B B B B B B B	AOV-imeR) 0728	NIA O	¥8	►	
Date: Time: Relinct $8/27/15$ Date: Time: Relinct Date: Time: Relinct $8/27/15$	Relinquished by:  Amber English Relinquished by:	Received by,	1	Date Time   Date   Date		Remarks: TPH results as mg/k separate report.	Remarks: TPH: results as mg/kg. separate report.	-	8015B, BTEX: 8021B. Please show Chloride results please show on a	esults	21B.	Plea se sh	Please show BTEX	ow BT	Ĕ
If necessary, sample	I serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. If necessary, samples submitted to Half Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	contracted to other ac	credited laborator	ries. This serves as notice of t	his possib	Ilty. Any	sub-con	racted da	ita will be	clearly n	otated o	on the an	alytical re	sport.	