

Analytical/Report- 1201875 (Hall)	Sample Area	Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	1/23/2012	Comp/Auger	6"	ND	ND	ND	0.0	33
Comp-01.0	Release Area	1/23/2012	Comp/Auger	12"	ND	ND	ND	0.0	18
Comp-01.5	Release Area	1/23/2012	Comp/Auger	18"	ND	ND	ND	0.0	140

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 132', Per the ChevronTexaco Trend Map).

All results are ppm. X - Sample Points

Released: 10 B/PW; Recovered: 0 B/PW. Release Date: 12/6/2011



Foster AN Battery

30-015-26914

Section 1, T20S-R24E

Eddy County, NM

ENVIRONMENTAL SAMPLE DIAGRAM

NORTH

(Not to Scale)

February 17, 2012

Prepared by YPC Environmental Division



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

February 03, 2012

Robert Asher Yates Petroleum 105_South_4th Artesia, NM 88210 TEL: (575) 748-4217 FAX

OrderNo.: 1201875

Dear Robert Asher:

RE: Foster AN Battery

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/31/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1201875	

Date Reported: 2/3/2012

2/1/2012 2·45.30 PM

С

Hall Environmental Analysis Laboratory, Inc.

Surr 4-Bromofluorobenzene

CLIENT: Yates Petroleum			Client Sample	ID: Comp	-00.5					
Project: Foster AN Battery	Collection Date: 1/23/2012									
Lab ID: 1201875-001	Matrix:	SOIL	Received D	Received Date: 1/31/2012 8:00:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC					
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/3/2012 5:42:07 AM					
Surr DNOP	. 84 6	77 4-131	%REC	1	2/3/2012 5.42:07 AM					
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: RAA					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2012 2·45:30 PM					
Surr BFB	94 1	69.7-121	%REC	1	2/1/2012 2:45·30 PM					
EPA METHOD 8021B: VOLATILES					Analyst: RAA					
Benzene	ND	0.048	mg/Kg	1	2/1/2012 2:45.30 PM					
Toluene	ND	0.048	mg/Kg	1	2/1/2012 2:45:30 PM					
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2012 2.45:30 PM					
Xylenes, Total	ND	0 097	mg/Kg	1	2/1/2012 2:45.30 PM					
Surr 4-Bromofluorobenzene	95 6	85 3-139	%REC	1	2/1/2012 2·45.30 PM					

%REC

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Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Analytical Report
Lab Order 1201875
Date Reported: 2/3/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Project: Foster AN Battery			Client Sample Collection D	ID: Comp- ate: 1/23/20	01.0 012					
Lab ID: 1201875-002	Matrix:	SOIL	Received D	Received Date: 1/31/2012 8:00:00 AM						
Analyses	Result	RL (Qual Units	DF	Date Analyzed					
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC					
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/3/2012 7·08·49 AM					
Surr DNOP	82.2	77.4-131	%REC	1	2/3/2012 7:08 49 AM					
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: RAA					
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/1/2012 3:15:41 PM					
Surr BFB	93.3	69.7-121	%REC	1	2/1/2012 3.15:41 PM					
EPA METHOD 8021B: VOLATILES					Analyst: RAA					
Benzene	ND	0 050	mg/Kg	1	2/1/2012 3:15:41 PM					
Toluene	ND	0 050	mg/Kg	1	2/1/2012 3 [.] 15 41 PM					
Ethylbenzene	ND	0 050	mg/Kg	1	2/1/2012 3:15:41 PM					
Xylenes, Total	ND	0 10	mg/Kg	1	2/1/2012 3.15 41 PM					
Surr: 4-Bromofluorobenzene	93 5	85 3-139	%REC	1	2/1/2012 3 15 41 PM					

Qualifiers: *

- $^{\ast}/X$ Value exceeds Maximum Contaminant Level.
- E Value above quantitation range

J Analyte detected below quantitation limits

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Analytical Report
Lab Order 1201875
Date Reported: 2/3/2012

2/3/2012 7:30:27 AM

2/1/2012 3 45:57 PM

2/1/2012 3 45:57 PM

2/1/2012 3:45:57 PM

2/1/2012 3:45.57 PM

2/1/2012 3:45.57 PM

2/1/2012 3·45.57 PM

2/1/2012 3·45·57 PM

Analyst: RAA

Analyst: RAA

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Yates Petroleum	Client Sample ID: Comp-01.5												
Project:	Foster AN Battery		Collection Date: 1/23/2012											
Lab ID:	1201875-003	Matrix: SC	DIL	Received D	Received Date: 1/31/2012 8:00:00 AM									
Analyses		Result	RL Qua	Units	DF	Date Analyzed								
EPA MET	HOD 8015B: DIESEL RAN	NGE ORGANICS				Analyst SCC								
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	2/3/2012 7:30·27 AM								

77 4-131

69 7-121

0 0 4 7

0 0 4 7

0.047

0.093

85.3-139

4.7

%REC

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

1

1

1

1

1

1

1

1

85.8

ND

97.7

ND

ND

ND

ND

97 5

Oual	ifiers:
V uu	

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Surr DNOP

Surr BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015B: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

- */X Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Reporting Detection Limit RL.

Hall Environ	nmental Analys	Date Re	eported: 2/3/2012				
CLIENT: Project:	Yates Petroleum Foster AN Battery					Lab Order:	1201875
Lab ID:	1201875-001			(Collection	Date: 1/23/201	2
Client Sample ID	: Comp-00.5				Μ	atrix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 30	0.0: ANIONS	-					Analyst: BRM
Chlonde	• ••• • •• •	3 3	1.5		mg/Kg	1 1	2/2/2012 6.17·32 PM
Lab ID:	1201875-002			(Collection	Date: 1/23/201	2
Client Sample ID	: Comp-01.0				Μ	atrix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300	0.0: ANIONS						Analyst: BRM
Chloride		18	75		mg/Kg	5	2/2/2012 6.52.21 PM
Lab ID:	1201875-003	· · · · · · · · · · · · · · · · · · ·		(Collection	Date: 1/23/201	2
Client Sample ID	: Comp-01.5				Μ	atrix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300	0.0: ANIONS						Analyst: BRM
Chloride		140	30		mg/Kg	20	2/2/2012 7:44 34 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level. В Analyte detected in the associated Method Blank E Value above quantitation range Н Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

Analytical Report Lab Order: 1201875

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

Sample Log-In Check List

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Client Name: Yates Petroleum Work Order Number: 1201875											
Recei	ived by/date	: LM 1/31/17	2								
Logge	ed By:	Michelle Garcia	1/31/2012 8:00:00 AN	А			mi	rule (parie)			
Comp	oleted By:	Michelle Garcia	1/31/2012 11:31:19 A	M			mi	helle (preces)			
Revie	wed By:	11	13112		_						
Chai	n of Cust	ody	0 L								
1. V	Nere seals i	ntact?		Yes	Ĺ	Ño		Not Present 🗹			
2. I	s Chain of C	Custody complete?		Yes	✓	No		Not Present			
3. H	low was the	sample delivered?		FedE	x						
Log	<u>in</u>										
4. (Coolers are	present? (see 19. for c	coler specific information)	Yes	✓	No		NA 🗌			
5. V	Nas an atter	mpt made to cool the s	samples?	Yes		No					
6. V	Nere all san	nples received at a ten	nperature of >0° C to 6 0°C	Yes		No					
7. ۶	Sample(s) in	proper container(s)?		Yes		No					
8. S	Sufficient sa	mple volume for indica	ited test(s)?	Yes	\checkmark	No					
9. A	Are samples	except VOA and ON	G) properly preserved?	Yes	\checkmark	No					
10. V	Nas preserv	ative added to bottles	?	Yes		No	⊻	NA 🗌			
11.\	VOA vials ha	ave zero headspace?		Yes		No		No VOA Vials 🗹			
12. \	Nere any sa	imple containers recei	ved broken?	Yes		No					
13. [[] (Does paperv (Note discre	work match bottle labe pancies on chain of cu	is? stody)	Yes		No		# of preserved bottles checked for pH:			
14. /	Are matrices	s correctly identified on	Chain of Custody?	Yes	\checkmark	No		(<2 or >12 unless noted)			
15. ^I	is it clear wh	at analyses were requ	ested?	Yes	\checkmark	No		Adjusted?			
16. \ (Were all hole (If no, notify	ding times able to be n customer for authoriza	net? Ition.)	Yes	\checkmark	No	L	Checked by:			
Spec	ial Hand	ling (if applicable	2								
17. \	Was client n	otified of all discrepan	cies with this order?	Yes		No		NA 🗹			
Ī	Person	Notified:	Date:	-							
	By Wh	om:	Via:	eMa	il [] P	hone	Fax In Person			
	Regard	ling:									
	Client	instructions.									

18. Additional remarks:

19. Cocler Information

Coo	ler No Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.7	Good	Yes			

Cr	nain-	ot-Cu	stoay κecora					9		H	A		E	NV	TR	20	NA	AE	NT	' Δi	L.
Client:	Yates P	etroleum	Corporation	K Standard	🗆 Rush		- 「		_	A	N	AL	ÝS	515	5 L	AE	30	RA	TC)R	Y
				Project Name);			3				v hal	- le'nv	iron	není	alco	101				. =
Mailing A	ddress:	105 S E	ourth Streat		Foster AN Ba	atten		49	01 H	awki	ine N		Δ1h		erau	6 N	M 87	100			
		Artesia I		Project #:	PUSICI AN DO	Bilery		 Ta	J 50	6.3/	15-30	 		Juqu Sav	505	345	.410	7			
Phone #		575-748-	4217		30-015-2691	Δ			1. 00	5-5-	10-30	A	mail	/sis	Rea	uesi		er verse Statuer en so Victoria austri			
email or l	Fax#:	boba@v	atespetroleum.com	Project Mana	der:			<u>(</u>)	el)				•	(4)	9-3-4	15 15 28	- 13.			Ĩ	
QA/QC Pa	ackage:				Robert Ashe	r	021)	s on	Dies	}			;	s, SO	B's						
Standard Level 4 (Full Validation		Level 4 (Full Validation)				s (8	(Ga	as/l					DO'	D C C C			i I				
Accredita	ation:			Sampler:	Same		MB	Hd	<u>с)</u> В	÷	Ŧ	Ŧ		02	3082						5
	P	D Other		Qaline and	NL WESSEL	IN CLARENCES	+	1+	015	418.	504.	PAF	່	Ő.	s / 8		Ŕ				o Z
	Type)_	1	· · · · ·	Salvinie II-sol			TBE	TBE	8 po	b	por	o Z	lētāl	5	cide	(¥	N-i-				s (
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + M	BTEX + M	TPH Meth	TPH (Meth	EDB (Meth	8310 (PNA	RCRA 8 W	Anions (F(8081 Pesti	8260B (VC	8270 (Sen				Air Bubble
1/23/12		Soil	Comp-00.5	1 - 4oz.	lcə	1	x		х				i	x							
1/23/12		Soil	Comp-01.0	1 - 4oz.	lce	2	x		x					x						\neg	
1/23/12	• m	Soit	Comp-01.5	1 - 407	lce	3	x		x					x							
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120/20	1250	(2.0.	The hast	all to	A IZIDAG	m)			F	2.00									
Date:	Time:	Relinquish	ed by:	Received by:		Date Time		,													

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.

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