Released: 10 B/Cut	Brine; Recovere	a: 0 B/Cut Brind	e. Release Date:	2/5/2012					
All results are ppm.	Chlorides for do	cumentation. In	mpacted soils exc	avated/hauled	2 8 8 - 38 A LOS VER S				
Comp-03.0 Site Ranking is Ten	Release Area	4/19/2012	Comp/Auger	36"	n)	ng se di di Reserve s			130
Comp-02.5	Release Area	4/19/2012	Comp/Auger	30"					110
Comp-02.0	Release Area	4/19/2012	Comp/Auger	24"					160
Analytical Report- Hall/1204822	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-01.5	Release Area	3/22/2012	Comp/Auger	18"	ND	ND)	ND	ND	1500
Comp-00.5 Comp-01.0	Release Area Release Area	3/22/2012	Comp/Auger	12"	ND ND	ND	ND ND	ND ND	2000 940
Comp 00 5	Sample Area	Sample Date: 3/22/2012	Sample Type	Depth. 6"	BTEX	GRO	DRO		Chlorides
Analytical:Report-		Road			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
				<u>.</u>		Production	Pad .		
	Ba	tery							
	an bar ann an an an an								
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	×	x x	Release/Excavation/San (18" of impacted soils n						

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 24, 2012

Robert Asher Yates Petroleum Corporation 105 South 4th Artesia, NM 88210 TEL: (575) 748-4217 FAX

RE: Puppy BPP State Com. #1-Y

OrderNo.: 1204822

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/20/2012 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 <u>www.hallenvironmental.com</u> or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environ	mental Analy	vsis Laborat	tory, Iı	nc.				rder: 1204822 Reported: 4/24/2012
	Yates Petroleum Co Puppy BPP State Co	•				La	ıb Ordeı	·: 1204822
Lab ID:	1204822-001	<u> </u>			Collect			12 9:21:00 AM
Client Sample ID:	Comp-02.0					Matrix:	SOIL	
Analyses		Result	RL	Qual	Units		DF	Date Analyzed
EPA METHOD 300.	0: ANIONS							Analyst: BRM
Chloride		160	30		mg/Kg		20	4/23/2012 11:20 [.] 44 AM
Lab ID:	1204822-002				Collect	ion Date:	4/19/20	12 9:31:00 AM
Client Sample ID:	Comp-02.5					Matrix:	SOIL	
Analyses		Result	RL	Qual	Units		DF	Date Analyzed
EPA METHOD 300.	0: ANIONS							Analyst: BRM
Chloride		110	30		mg/Kg		20	4/23/2012 11:33:08 AM
Lab ID:	1204822-003		<u> </u>	(Collecti	ion Date:	4/19/20	12 9:40:00 AM
Client Sample ID:	Comp-03.0					Matrix:	SOIL	
Analyses		Result	RL	Qual	Units		DF	Date Analyzed
EPA METHOD 300.	0: ANIONS							Analyst: BRM
Chloride		130	30		mg/Kg		20	4/23/2012 12:35:10 PM

Qualifiers: */X Value

.

*/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

Analytical Report

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-3975	Analysis Laborator, 4901 Hawkuns NE uquerque, NM 87105 5 FAX: 505-345-410; illenvironmental.con
Client Name: Yates Petroleum Corporation V	Vork Order Number: 1204822
Received by/date: 04/20/12	
Logged By: Michelle Garcia 4/20/2012 9:00:00 AM	Mirello Generia
Completed By: Michelle Garcia 4/20/2012 10:05:57 AN	1 Minul Gania
Reviewed By: Mg / 04/20/2	
Chain of Custody	
1. Were seals intact?	Yes 🗌 No 💭 Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹 No 🗌 Not Present 🗌
3. How was the sample delivered?	<u>FedEx</u>
<u>Log In</u>	
4. Coolers are present? (see 19. for cooler specific information)	Yes 🗹 No 🗌 🛛 NA 🗌
5. Was an attempt made to cool the samples?	Yes 🗹 No 🗌 🛛 NA 🗌
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹 No 🗌 🛛 NA 🗍
7. Sample(s) in proper container(s)?	Yes 🗹 No 🗌
8. Sufficient sample volume for indicated test(s)?	Yes 🗹 No 🗌
9. Are samples (except VOA and ONG) properly preserved?	Yes 🗹 No 🗌
10. Was preservative added to bottles?	Yes 🗌 No 🗹 🛛 NA 🗍
11. VOA vials have zero headspace?	Yes 🔲 No 🛄 No VOA Vials 🗹
12. Were any sample containers received broken?	
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes V No W # of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes ☑ No □ (<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes 🗹 Nc 🗌 Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹 No 🗌 Checked by:
Special Handling (if applicable)	
17, Was client notified of all discrepancies with this order?	
Person Notified: Date: D	eMail Phone Fax In Person
Client Instructions:	a and a second and a second a
18. Additional remarks:	

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	18.0	Good	Yes			

Ch	ain-of	i-Cus	tody Record	I urn-Around	ime:									VТ		ואר	MI	ENT	ТА	ŧ	
Client:	Yates Pe	troleum	Corporation	X Standard Project Name)				A	NA		/S]	[S	LA	BC	DR				
A					•						www	v.hal	llenv	ironi	men	tal.co	SW				
Mailing Ad	dress:	105 S.	Fourth Street		Puppy BPP S	State Com. #1-Y		490	01 H	awk	ins N	1E -	Alb	ouqu	erqu	e, N	M 87	'109			
		Artesia	, NM 88210	Project #:				Te	el. 50	5-34	15-3	975	F	⁼ax	505-	-345	-410	7			
Phone #:		575-74	8-4217		30-015-3948	3						An	alys	is R	eque	est					
email or Fa	ax#:	boba@	yatespetroleum.com	Project Manag	ger:		_														
QA/QC Pac X Standai	-		Level 4 (Full Validation)		Robert Ashe	r	+ TMB's (8021)	as only)	/Diesel					O4,SO4	CB's						
Accreditati			······	Sampler:	Same		3's (Ű.	Gas					Š.	2 5						
D NELAP		Oth	er	GALLES LA A			TMI	TP	5B (8.1)	4.1)	(H)		Ž	80						ź
EDD (T	ype)			Sameletett	ieranije zas			+ Щ	801	41	1 50	г РА	als	N N	les /		Q				ح ح
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	tterender Litterender Litterender	BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Ruhhlas (
4/19/2012	9:21 AM	Soll	Comp-02.0	1 - 4oz.	NA	-001				•••	-			x							
4/19/2012	9:31 AM	Soil	Comp-02.5	1 - 4oz.	NA	-002								x							
4/19/2012	9:40 AM	Soil	Comp-03.0	1 - 4oz.	NA	-003								x							
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Date:	Time:	Relinqui	sbeet-by:	Received by:	<u>~</u>	Date Time			: Chło	oride	s Onl	ı. y. Pl€	ase	show	ALL	resu	its as	mg/k	g. Ti	nank	
4/19/2012	1:17 PM	(culu.	Mil	U pin	Mbda Mic	you.														
Date:	Time:	Relinqui	shed by:	Received by:	-pour	Date Time	1														

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 09, 2012

Robert Asher Yates Petroleum 105 South 4th Artesia, NM 88210 TEL: (575) 748-4217 FAX:

RE: Puppy BPP State Com. #1-Y

OrderNo.: 1203992

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/27/2012 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 <u>www.hallenvironmental.com</u> or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environ	mental Analy	sis Laborat	ory, Iı	nc.			Reported: 4/9/2012
	Yates Petroleum Puppy BPP State Cor	n. #1-Y				Lab Orde	r: 1203992
Lab ID:	1203992-001				Collection I	Date: 3/22/20	012 10:43:00 AM
Client Sample ID:	Comp-00.5				Ma	trix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.	.0: ANIONS						Analyst: BRM
Chloride		2,000	75		mg/Kg	50	3/29/2012 10:35.52 PM
Lab ID:	1203992-002			(Collection I	Date: 3/22/20)12 10:53:00 AM
Client Sample ID:	Comp-01.0				Ma	trix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.	0: ANIONS						Analyst: BRM
Chloride		940	30		mg/Kg	20	3/28/2012 1:28:40 PM
Lab ID:	1203992-003	<i></i>		(Collection I	Date: 3/22/20	12 11:02:00 AM
Client Sample ID:	Comp-01.5				Ma	trix: SOIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.	0: ANIONS						Analyst: BRM
Chloride		1,500	75		mg/Kg	50	3/29/2012 10:48:17 PM

Qualifiers:

*/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
- в Analyte detected in the associated Method Blank

Analytical Report Lab Order: 1203992

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL	
ENVIRONMENTAL	
ANALYSIS	
LABORATORY	

Hall Environmental Analysis Laboratory 4901 Hawkins NL Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Yates Petroleum Corporation	Work Order Number 1203992
Received by/date: AM 03/2/7/12	
Logged By: Ashley Gallegos 3/27/2012 3:30:00 F	M A-F
Completed By: Ashley Gallegos 3/27/2012 3:47:56 F	M Sang
Reviewed By: JO ONATAD	u u
Chain of Custody	
1. Were seals intact?	Yes No Not Present 🗸
2. Is Chain of Custody complete?	Yes 🗸 No 👘 Not Present
3. How was the sample delivered?	<u>Client</u>
<u>Log In</u>	
4. Coolers are present? (see 19. for cooler specific information)	Yes 🗸 No 🛛 NA
5. Was an attempt made to cool the samples?	Yes 🗸 No 🛛 NA
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗸 No 🛛 NA
7 Sample(s) in proper container(s)?	Yes 🗸 No
8. Sufficient sample volume for indicated test(s)?	Yes 🗸 No
9. Are samples (except VOA and ONG) properly preserved?	Yes 🗸 No
10. Was preservative added to bottles?	Yes No 🗸 NA
11. VOA vials have zero headspace?	Yes No No VOA Vials 🗸
12. Were any sample containers received broken?	Yes No 🗸
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes V No # of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes ✔ No (<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes 🗸 No Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔ No Checked by:
Special Handling (if applicable)	
17, Was client notified of all discrepancies with this order?	Yes No NA 🗸
Person Notified: Date	
By Whom [.] Via:	eMail Phone Fax In Person
Regarding:	
Client Instructions:	

18. Additional remarks:

19. Cooler Information

L	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
	1	53	Good	Not Present			

A Standard Project Name: Walling Address: 105 S. Fourth Street Puppy BPP State Com. #1-Y Artesia, NM 68210 Project #: Phone #: 575-748-4217 S75-748-4217 30-015-39483 Accredition: Project Manager: ACCR Package: Project Manager: X Standard I Level 4 (Full Validation) Accredition: Sampler: Date Time Markix Sample Request ID Container Type and # Time Markix Sample Request ID Container Type and # Preservative Time Markix Sample Request ID 1-4az Intract Ice Sizzanza Ice Sizzanza Ice Sizzanza Ice Intract Sample Request ID Container Type and # Time Markix Sample Request ID Ice Compols I-4az Intract Ice Sizzanza Ice Sizzanza	Cn	ain-or	-648	stoay kecora					•		н	Ał		EN	VT	Dr)N	M F	= NI"	ГА	
Project Name: www.hallenvironmental.com Mailing Address: 106 S. Fourth Street Project Name: www.hallenvironmental.com Antesia, NM 88210 Project #: 0-015-39483 4001 Hawkins NE - Albuquerque, NM 87109 Tentai C. Faxit, boba@yataspetroleum.com Project Manager: Analysis Request. DAUCC Package: Level 4 (Full Validation) Sampler: Same DAte Time Maitrix Sample Request ID Container Type and Time Maitrix Sample Request ID Container Type and Figure Request ID Container Figure Request ID Container Type and Figure Request ID 1-4oz Ico -COCI X X Standard Comp-0.5 1-4oz Ico -COCI X X Ico -COCI Standard Comp-0.5 1-4oz Ico -COCI X X Ico Ico </td <td>Client:</td> <td>Yates Pel</td> <td>roleum</td> <td>Corporation</td> <td>X Standard</td> <td>🗆 Rush</td> <td>1</td> <td></td>	Client:	Yates Pel	roleum	Corporation	X Standard	🗆 Rush	1														
Mailing Address: 105 S. Fourth Street Puppy BPP State Com, #1-Y 4901 Hawkins NE - Albuquerque, NM 8709 There #: 575-748-4217 30-015-39483 Tel. 505-345-3975 Fax 505-345-4107 Phone #: 575-748-4217 30-015-39483 Tel. 505-345-3975 Fax 505-345-4107 QAQC Package: Robert Asher Rober Robert Asher <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																					
	Mailing Add	tress:																			
Artelsia (NN 62/10 Protect # Stor 7.48 4217 30-015-39483 amail or Fax#: boba@yatespetroleum.com Project Manager: Artelysis Fequees: DAVGC Package: X Standard I Level 4 (Full Validation) Accreditation: I Level 4 (Full Validation) DAVGC Package: Sampler: Same Date Time Matrix Sample Request ID Container Type and # Project Manager: Container Container Type and # Project Manager: Container Container Time Matrix Sample Request ID Container Preservative Type and # X X			105 S.	Fourth Street	Project #:	Puppy BPP S	State Com. #1-Y	4							•	•					
errial or Fax#: boba@yatespetroleum.com Project Manager: DAUCC Package: Robert Asher X Standard I Level 4 (Full Validation) Accreditation: Sampler: Date Time Matrix Sample Request ID Container Preservative Type and # Preservative Type and # Preservative Time Matrix Sample Request ID Container Time Matrix Sample Request ID Container Time Matrix Sample Request ID Container Time Matrix Soil Comp-01.5 1 - 4oz Ice Ice OO3 X X Inter Remarks: Please put Chlorides on separate report. Please show ALL results as mgkg. Thenk you. Stataget All Remarks: Please put Chlorides on separate report. Please show ALL results as mgkg. Thenk you.	<u>.</u>)5-34	15-39									
DAVQC Package: Robert Asher <	Phone #:						3						Ana	alysi	is R	eque	st∾				· · · · ·
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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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 09, 2012 Robert Asher Yates Petroleum 105 South 4th

Artesia, NM 88210 TEL: (575) 748-4217 FAX

RE: Puppy BPP State Com. #1-Y

OrderNo.: 1203992

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/27/2012 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 <u>www.hallenvironmental.com</u> or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1203992 Date Reported: 4/9/2012

Hall Environmental Analysis Laboratory, Inc.

_____ **CLIENT:** Yates Petroleum Client Sample ID: Comp-00.5 **Project:** Puppy BPP State Com. #1-Y Collection Date: 3/22/2012 10:43:00 AM 1203992-001 Received Date: 3/27/2012 3:30:00 PM Lab ID: Matrix: SOIL Result **RL** Qual Units DF Analyses **Date Analyzed EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: JMP

				,
ND	10	mg/Kg	1	3/29/2012 1:41:31 PM
84.2	77.4-131	%REC	1	3/29/2012 1:41:31 PM
GE				Analyst: NSB
ND	4.7	mg/Kg	1	3/31/2012 12:03:55 AM
91.9	69 7-121	%REC	1	3/31/2012 12:03:55 AM
				Analyst: NSB
ND	0.047	mg/Kg	1	3/31/2012 12:03:55 AM
ND	0.047	mg/Kg	1	3/31/2012 12:03:55 AM
ND	0.047	mg/Kg	1	3/31/2012 12:03:55 AM
ND	0.095	mg/Kg	1	3/31/2012 12.03:55 AM
89 4	80-120	%REC	1	3/31/2012 12:03:55 AM
	84.2 GE ND 91.9 ND ND ND ND ND	84.2 77.4-131 GE ND 4.7 91.9 69 7-121 ND 0.047 ND 0.047 ND 0.047 ND 0.047 ND 0.047	84.2 77.4-131 %REC GE ND 4.7 mg/Kg 91.9 697-121 %REC ND 0.047 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg	84.2 77.4-131 %REC 1 GE ND 4.7 mg/Kg 1 MD 69 7-121 %REC 1 ND 0.047 mg/Kg 1 ND 0.095 mg/Kg 1

Qualifiers:

*/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 1203992 Date Reported: 4/9/2012

Analyst: NSB

3/31/2012 12:32:39 AM

3/31/2012 12:32:39 AM

3/31/2012 12:32:39 AM

3/31/2012 12:32:39 AM

3/31/2012 12:32·39 AM

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Client Sample ID: Comp-01.0 **CLIENT:** Yates Petroleum **Project:** Puppy BPP State Com. #1-Y Collection Date: 3/22/2012 10:53:00 AM 1203992-002 Lab ID: Matrix: SOIL Received Date: 3/27/2012 3:30:00 PM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: JMP Diesel Range Organics (DRO) ND 1 3/29/2012 2:02:52 PM 10 mg/Kg 3/29/2012 2:02:52 PM Surr: DNOP 79.0 77 4-131 %REC 1 **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB 3/31/2012 12:32:39 AM Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 3/31/2012 12:32:39 AM Surr: BFB 92 4 69.7-121 %REC 1

0.048

0.048

0.048

0.096

80-120

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

1

1

1

1

1

ND

ND

ND

ND

90.5

Qualifiers:

*/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

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Analytical Report Lab Order 1203992 Date Reported: 4/9/2012

3/31/2012 1:01:21 AM

3/31/2012 1:01:21 AM

3/31/2012 1:01:21 AM

3/31/2012 1:01.21 AM

Hall Environmental Analysis Laboratory, Inc.

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

CLIENT: Yates Petroleum Project: Puppy BPP State Com. #1-Y		(Client Sample Collection D	1	-01.5 012 11:02:00 AM				
Lab ID: 1203992-003	Matrix:	SOIL	Received D	012 3:30:00 PM					
Analyses	Result	Result RL Qual Units		DF	Date Analyzed				
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: JMP				
Diesel Range Organics (DRO)	ND	99	mg/Kg	1	3/29/2012 2:24 27 PM				
Surr DNOP	77.5	77.4-131	%REC	1	3/29/2012 2:24:27 PM				
EPA METHOD 8015B: GASOLINE RANG	GE				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/31/2012 1:01·21 AM				
Surr [.] BFB	93.0	69.7-121	%REC	1	3/31/2012 1:01:21 AM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.047	mg/Kg	1	3/31/2012 1:01·21 AM				

0.047

0.047

0.095

80-120

mg/Kg

mg/Kg

mg/Kg

%REC

ND

ND

ND

91.0

Qualifiers:

*/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

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name:	Yates Petroleum Corporat	ion y	Work Or	derl	Numi	ber:	1203992		
Received by/date:	AM C	3/27/12							
Logged By:	Ashley Gallegos	3/27/2012 3:30:00 PM	I			=A	F		
Completed By	Ashley Gallegos	3/27/2012 3:47:56 PM	I			÷Ą;	-f		
Reviewed By. 🍃	to estatio						U U		
Chain of Custo	ody								
1. Were seals in	itact?		Yes		No		Not Pre	esent 🖌	
2. Is Chain of C	ustody complete?		Yes	✓	No		Not Pre	esent	
3. How was the	sample delivered?		<u>Clien</u>	t					
<u>Log In</u>									
4. Coolers are p	resent? (see 19. for cooler	specific information)	Yes	~	No			NA	
5. Was an atten	npt made to cool the sample	os?	Yes	~	No			NA	
6. Were all sam	ples received at a temperat	ure of >0° C to 6 0°C	Yes	~	No			NA	
7 Sample(s) in	proper container(s)?		Yes	•	No				
8. Sufficient san	nple volume for indicated te	st(s)?	Yes	✓	No				
9. Are samples	(except VOA and ONG) pro	perly preserved?	Yes	✓	No				
10. Was preserva	tive added to bottles?		Yes		No	~		NA	
11. VOA vials hav	/e zero headspace?		Yes		No		No VOA	Vials 🗸	
12. Were any san	nple containers received bro	oken?	Yes		No	✓			
	ork match bottle labels? ancies on chain of custody)		Yes	~	No		bo	of preserved ttles checked · pH:	
14. Are matrices	correctly identified on Chain	of Custody?	Yes	✓	No			-	? or >12 unless noted)
15. Is it clear wha	t analyses were requested?		Yes	✓	No			Adjusted?	
	ng times able to be met? ustomer for authorization.)		Yes	~	No			Observed her	
•	ng (if applicable)							Checked by	
	tified of all discrepancies wi	th this order?	Yes		No			NA 🗸	
Person N	Notified:	Date:					Internation of the second s		
By Whor	n:	Via:	eMa	I	Ph	one	Fax	In Person	
Regardir	ng:	άτη το τη Τανιας Υανιστατικός το Τανία το Παραστατικός για τη που	W.W. J. W. J.					<u></u>	
Client In:	structions:					<u>-</u>			

18. Additional remarks

19. Cooler Information

1	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
	1	5.3	Good	Not Present			

Chain-ot-Custody Record							-		ы	Ał		ΞN	VT	DC	M	M	= M7	ГАІ	1	
Client: Yates Petroleum Corporation			X Standard	🗆 Rush		HALL ENVIRONMENTAL														
				Project Name:					www.hallenvironmental.com											
Mailing Address: 105 S. Fourth Street				4901 Hawkins NE - Albuquerque, NM 87109																
			, NM 88210	Puppy BPP State Com. #1-Y Project #:				Tel. 505-345-3975 Fax 505-345-4107												
Phone #: 575-748-4217				30-015-3948	3	1. A. A.														
email or Fax#: boba@yatespetroleum.com				Project Manag					6											
QA/QC Package: X Standard D Level 4 (Full Validation)				Robert Asher		(8021)	(Gas only)	(Gas/Diesel)					O4,SO4)	PCB's						
Accreditati	on:			Sampler:	Same		v	<u>р</u> н						0 ₂ ,P	82 P					
		D Oth	er	ONRES			+ TMB'		15B	418.1)	1)	(H		Ŋ3, Ŋ	/ 80		7			Î
	ype)			esturne herd	een nasta		1211	+ 8	d 801	d 41	od 50	or P,	tals	SI,NC	ides	2	Ò,			د ک
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	Не 196 /215 К	BTEX + MTBE	BTEX + MTBE	TPH Method	TPH (Method	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
3/22/2012	10:43 AM	Soil	Comp-00.5	1 - 4oz.	lce	-001	x		x					x						
3/22/2012	10:53 AM	Soil	Comp-01.0	1 - 4oz.	lce	-002	2 x		x					x						
3/22/2012	11:02 AM	Soil	Comp-01.5	1 - 4oz.	Ice	-00			x					x						
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Date: 3/27/2012	Time: 8:54 AM	Relinqui	Cul.	Received by:	1 Mary X	Date Time DG3 Z7 1Z 15	res	narks ults a:						sepa	arate	repor	t. Ple	iase s	now /	4LL
Date:	Time:	Relinqui	shed by	Received by:	7 Kir	Date Time	٦													
3/27/12	133AP	\square	and . /	1 (/	V	-			•											

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