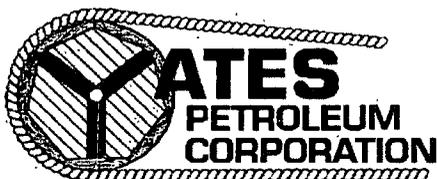


Analytical Report Hall/1203992	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	3/22/2012	Comp/Auger	6"	ND	ND	ND	ND	2000
Comp-01.0	Release Area	3/22/2012	Comp/Auger	12"	ND	ND	ND	ND	940
Comp-01.5	Release Area	3/22/2012	Comp/Auger	18"	ND	ND	ND	ND	1500
Analytical Report Hall/1204822	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-02.0	Release Area	4/19/2012	Comp/Auger	24"					160
Comp-02.5	Release Area	4/19/2012	Comp/Auger	30"					110
Comp-03.0	Release Area	4/19/2012	Comp/Auger	36"					130

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

All results are ppm. Chlorides for documentation. Impacted soils excavated/hailed

Released: 10 B/Cut Brine; Recovered: 0 B/Cut Brine. Release Date: 2/5/2012



**Puppy BPP State Com.#1-Y**

**30-015-39483**

**Section 2, T17S-R27E**

**Eddy County, NM**

**SAMPLE DIAGRAM(Not to Scale)**

**Hall Environmental# 1203992 &  
1204822**

**Prepared by Robert Asher  
Environmental Regulatory Agent**



*Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL. 505-345-3975 FAX: 505-345-4107  
Website [www.hallenvironmental.com](http://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 [www.hallenvironmental.com](http://www.hallenvironmental.com) 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Analytical Report

Lab Order: 1204822

Date Reported: 4/24/2012

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Yates Petroleum Corporation  
**Project:** Puppy BPP State Com. #1-Y

**Lab Order:** 1204822

**Lab ID:** 1204822-001 **Collection Date:** 4/19/2012 9:21:00 AM  
**Client Sample ID:** Comp-02.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						
Chloride	160	30		mg/Kg	20	4/23/2012 11:20:44 AM

Analyst: BRM

**Lab ID:** 1204822-002 **Collection Date:** 4/19/2012 9:31:00 AM  
**Client Sample ID:** Comp-02.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						
Chloride	110	30		mg/Kg	20	4/23/2012 11:33:08 AM

Analyst: BRM

**Lab ID:** 1204822-003 **Collection Date:** 4/19/2012 9:40:00 AM  
**Client Sample ID:** Comp-03.0 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						
Chloride	130	30		mg/Kg	20	4/23/2012 12:35:10 PM

Analyst: BRM

**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



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

Client Name: Yates Petroleum Corporation Work Order Number: 1204822  
 Received by/date: MG 04/20/12  
 Logged By: Michelle Garcia 4/20/2012 9:00:00 AM *Michelle Garcia*  
 Completed By: Michelle Garcia 4/20/2012 10:05:57 AM *Michelle Garcia*  
 Reviewed By: MG 04/20/12

### 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? FedEx

### Log In

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  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes  No

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 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

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





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

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 [www.hallenvironmental.com](http://www.hallenvironmental.com) 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

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
Project: Puppy BPP State Com. #1-Y

Lab Order: 1203992

Lab ID: 1203992-001 Collection Date: 3/22/2012 10:43:00 AM
Client Sample ID: Comp-00.5 Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 2,000, 75, mg/Kg, 50, 3/29/2012 10:35:52 PM. Analyst: BRM

Lab ID: 1203992-002 Collection Date: 3/22/2012 10:53:00 AM
Client Sample ID: Comp-01.0 Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 940, 30, mg/Kg, 20, 3/28/2012 1:28:40 PM. Analyst: BRM

Lab ID: 1203992-003 Collection Date: 3/22/2012 11:02:00 AM
Client Sample ID: Comp-01.5 Matrix: SOIL

Table with 7 columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 1,500, 75, mg/Kg, 50, 3/29/2012 10:48:17 PM. Analyst: BRM

- Qualifiers: \*/X Value exceeds Maximum Contaminant Level. B Analyte detected in the associated Method Blank
E Value above quantitation range H 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



Hall Environmental Analysis Laboratory  
 4901 Hawkins NL  
 Albuquerque, NM 87106  
 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: *JM 03/27/12*

Logged By: Ashley Gallegos 3/27/2012 3:30:00 PM *Ag*

Completed By: Ashley Gallegos 3/27/2012 3:47:56 PM *Ag*

Reviewed By: *IO 03/27/12*

### 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? Client

### Log In

- 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  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

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





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

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 [www.hallenvironmental.com](http://www.hallenvironmental.com) 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**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

Lab ID: 1203992-001

Matrix: SOIL

Received Date: 3/27/2012 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: <b>JMP</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2012 1:41:31 PM
Surr: DNOP	84.2	77.4-131		%REC	1	3/29/2012 1:41:31 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/31/2012 12:03:55 AM
Surr: BFB	91.9	69.7-121		%REC	1	3/31/2012 12:03:55 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.047		mg/Kg	1	3/31/2012 12:03:55 AM
Toluene	ND	0.047		mg/Kg	1	3/31/2012 12:03:55 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/31/2012 12:03:55 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/31/2012 12:03:55 AM
Surr. 4-Bromofluorobenzene	89.4	80-120		%REC	1	3/31/2012 12:03:55 AM

**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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-01.0

Project: Puppy BPP State Com. #1-Y

Collection Date: 3/22/2012 10:53:00 AM

Lab ID: 1203992-002

Matrix: SOIL

Received Date: 3/27/2012 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: <b>JMP</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2012 2:02:52 PM
Surr: DNOP	79.0	77	4-131	%REC	1	3/29/2012 2:02:52 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
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	3/31/2012 12:32:39 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.048		mg/Kg	1	3/31/2012 12:32:39 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2012 12:32:39 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2012 12:32:39 AM
Xylenes, Total	ND	0.096		mg/Kg	1	3/31/2012 12:32:39 AM
Surr: 4-Bromofluorobenzene	90.5	80	120	%REC	1	3/31/2012 12:32:39 AM

**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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Client Sample ID: Comp-01.5  
 Project: Puppy BPP State Com. #1-Y Collection Date: 3/22/2012 11:02:00 AM  
 Lab ID: 1203992-003 Matrix: SOIL Received Date: 3/27/2012 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9		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
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						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
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	3/31/2012 1:01:21 AM
Toluene	ND	0.047		mg/Kg	1	3/31/2012 1:01:21 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/31/2012 1:01:21 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/31/2012 1:01:21 AM
Surr: 4-Bromofluorobenzene	91.0	80-120		%REC	1	3/31/2012 1:01:21 AM

Qualifiers: \*/X Value exceeds Maximum Contaminant Level. B Analyte detected in the associated Method Blank  
 E Value above quantitation range H 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



Hall 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 Petroleum Corporation** Work Order Number: **1203992**

Received by/date: *JM 03/27/12*

Logged By: **Ashley Gallegos** 3/27/2012 3:30:00 PM *Ag*

Completed By: **Ashley Gallegos** 3/27/2012 3:47:56 PM *Ag*

Reviewed By: *IO 03/27/12*

### 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? Client

### Log In

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  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

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

