

MARTIN YATES, III  
1912-1985  
FRANK W. YATES  
1936-1986  
S.P. YATES  
1914-2008



JOHN A. YATES SR.  
CHAIRMAN EMERITUS  
JOHN A. YATES JR.  
CHAIRMAN OF THE BOARD  
DOUGLAS E. BROOKS  
PRESIDENT / CEO

105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471

June 3, 2016

Mr. Jamie Keyes  
NMOCD District I  
1625 N. French Dr.  
Hobbs, NM 88240

**RECEIVED**

**By JKeyes at 7:15 am, Jun 06, 2016**

Conditionally  
**APPROVED**

RE: Lusk AHB Federal #10H  
30-025-40990  
Section 35, T19S-R32E  
Lea County, New Mexico

Provide sidewall samples to ensure the horizontal extent of contamination is defined.

Mr. Keyes,

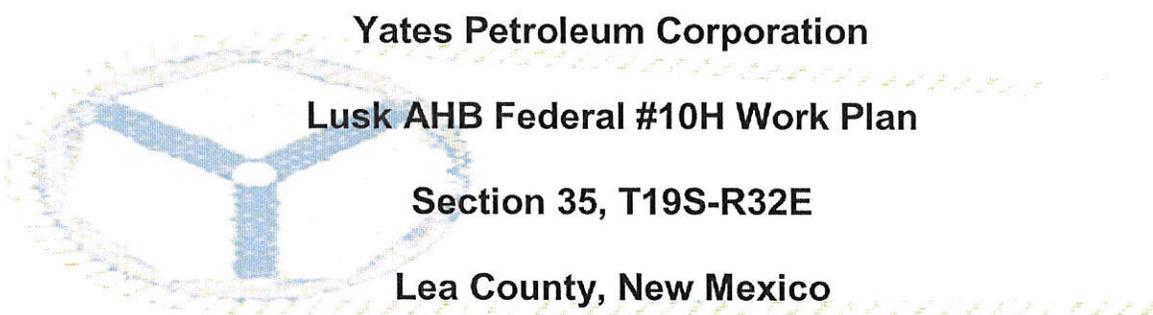
Yates Petroleum Corporation (Yates) would like to submit the attached plan of work to you regarding the release that occurred at the above mentioned facility on April 21, 2016 (1RP-4266).

With NMOCD and BLM approval of this work plan, Yates will hold a bid meeting allowing several contractors the opportunity to submit bids on this remediation project. Bids that are received will be forwarded to Yates Management for review. Once Yates Management reviews the bids and gives approval, the remediation project will be awarded to a contractor for work to commence.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at [agriffin@yatespetroleum.com](mailto:agriffin@yatespetroleum.com).

Thank You,

Amber Griffin  
Environmental Representative  
Yates Petroleum Corporation



**Yates Petroleum Corporation**

**Lusk AHB Federal #10H Work Plan**

**Section 35, T19S-R32E**

**Lea County, New Mexico**

**June 3, 2016**

## **I. Location**

The well is located approximately 11.4 miles south of State Road 529 on County Road 126A and approximately 6.3 miles east of County Road 126A via various lease roads.

## **II. Background**

On April 21, 2016, Yates had a release of 175 barrels produced water and 25 barrels of crude oil, with 150 barrels produced water and 25 barrels of crude oil recovered. The area affected from this release was on the southeast and east side of the production pad/battery. Vegetation and grasses that were affected by overspray from the release were treated with a Micro-Blaze/Water mixture. An initial scrape of 6" – 1' was completed of the pooling area.

An initial Form C-141 was submitted, via e-mail, to the NMOCD District I office on April 28, 2016 for this release.

On April 26, 2016 personnel returned to the release area and collected soil samples from the release area using a hand auger. Four initial samples were taken at 1' below the surface level. One sample was collected from the pooling area and three were collected from overspray areas of the release. The soil samples were sent to an approved NMOCD laboratory and tested for BTEX 8021B, TPH 8015M, and Chlorides 300.0. Yates received the analytical results on May 6, 2016 (Report 1604C22 attached to this work plan). The analytical results showed that both BTEX and TPH were at levels below NMOCD RRAL's for all four samples. The three overspray area samples showed that chlorides were at non-detectable levels, and the pooling area showed elevated chloride levels.

On May 4, 2016 personnel returned to the release area and collected further soil samples from the pooling area at depths of 2', 3', 4', 5', 6', 7', 8', 9' and 10' below the surface level. The soil samples were sent to an approved NMOCD laboratory and tested for Chlorides 300.0. Yates received the analytical results on May 13, 2016 (Report 1605293 attached to this work plan). The analytical results showed that Yates had successfully delineated the chlorides within the pooling area.

A new Google Earth image (site diagram) has been attached to this work plan. One was originally submitted with the Initial C-141, but after sampling was conducted it was determined that the actual pooling area of the release was smaller than originally believed. The pooling area was confined to the low lying area between the surrounding sand dunes.

## **III. Surface and Ground Water**

Area surface geology is Cenozoic. The ChevronTexaco depth to ground water map shows the depth to groundwater to be approximately 250 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the following:

Depth to ground water	>100'
Wellhead Protection Area	> 1000'

Distance to surface water body > 1000'

#### **IV. Soils**

The area consists of soils that are sand, interspersed with caliche and clay seams.

#### **V. Scope of Work**

Based off the analytical reports which show complete vertical delineation, Yates proposes the following work:

- Pooling Area:
  - Excavate 4' from the pooling area of the release area.
  - Lay a 20 mil liner in the bottom of the excavation.
  - The excavation will be backfilled with caliche and other clean, like soils.
  - Contaminated soils that are excavated will be hauled to a NMOCD approved disposal facility.
  - The release area will be re-seeded with BLM LPC Seed Mix.
  
- Overspray Areas:
  - Apply a second treatment of a 3% Micro-Blaze/Water mixture.
  
- Once all excavation and backfill work is complete, Yates will submit a Final Form C-141 to NMOCD and BLM requesting closure of this release.



Google earth



# Lusk AHB Federal #10H

	Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Overspray 1-1'	Release area	4/26/2016	1604C22	Grab/Hand Auger	1'	ND	ND	ND	ND	ND
Overspray 2-1'	Release area	4/26/2016	1604C22	Grab/Hand Auger	1'	ND	ND	ND	ND	ND
Overspray 3-1'	Release area	4/26/2016	1604C22	Grab/Hand Auger	1'	ND	ND	ND	ND	ND
Pooling 1-1'	Release area	4/26/2016	1604C22	Grab/Hand Auger	1'	ND	ND	ND	ND	6,700
Pooling 1-2'	Release area	5/4/2016	1605293	Grab/Backhoe	2'	-	-	-	-	3,300
Pooling 1-3'	Release area	5/4/2016	1605293	Grab/Backhoe	3'	-	-	-	-	4,400
Pooling 1-4'	Release area	5/4/2016	1605293	Grab/Backhoe	4'	-	-	-	-	8,300
Pooling 1-5'	Release area	5/4/2016	1605293	Grab/Backhoe	5'	-	-	-	-	4,000
Pooling 1-6'	Release area	5/4/2016	1605293	Grab/Backhoe	6'	-	-	-	-	4,800
Pooling 1-7'	Release area	5/4/2016	1605293	Grab/Backhoe	7'	-	-	-	-	2,300
Pooling 1-8'	Release area	5/4/2016	1605293	Grab/Backhoe	8'	-	-	-	-	1,400
Pooling 1-9'	Release area	5/4/2016	1605293	Grab/Backhoe	9'	-	-	-	-	540
Pooling 1-10'	Release area	5/4/2016	1605293	Grab/Backhoe	10'	-	-	-	-	61

**Site Ranking is ZERO (0).** Depth to Ground Water >100' (approx. 250', per ChevronTexaco trend map).

All results are ppm.Chlorides for documentation.

Released: 175 B/PW, 25 B/O; Recovered: 150 B/PW, 25 B/O. Release Date: 4/21/2016, 1RP-4266



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)

May 06, 2016

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

RE: Lusk AHB Federal #10H

OrderNo.: 1604C22

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/28/2016 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. 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 qualifiers 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,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Yates Petroleum Corporation      **Client Sample ID:** Overspray 1-1'  
**Project:** Lusk AHB Federal #10H      **Collection Date:** 4/26/2016 7:40:00 AM  
**Lab ID:** 1604C22-001      **Matrix:** SOIL      **Received Date:** 4/28/2016 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/2/2016 11:35:59 AM	25074
Surr: DNOP	88.3	70-130		%Rec	1	5/2/2016 11:35:59 AM	25074
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/29/2016 9:33:58 PM	25062
Surr: BFB	97.3	80-120		%Rec	1	4/29/2016 9:33:58 PM	25062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	4/29/2016 9:33:58 PM	25062
Toluene	ND	0.049		mg/Kg	1	4/29/2016 9:33:58 PM	25062
Ethylbenzene	ND	0.049		mg/Kg	1	4/29/2016 9:33:58 PM	25062
Xylenes, Total	ND	0.098		mg/Kg	1	4/29/2016 9:33:58 PM	25062
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	4/29/2016 9:33:58 PM	25062

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Yates Petroleum Corporation  
**Project:** Lusk AHB Federal #10H  
**Lab ID:** 1604C22-002

**Matrix:** SOIL

**Client Sample ID:** Overspray 2-1'  
**Collection Date:** 4/26/2016 8:00:00 AM  
**Received Date:** 4/28/2016 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/2/2016 11:57:38 AM	25074
Surr: DNOP	89.8	70-130		%Rec	1	5/2/2016 11:57:38 AM	25074
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/29/2016 9:57:38 PM	25062
Surr: BFB	98.7	80-120		%Rec	1	4/29/2016 9:57:38 PM	25062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	4/29/2016 9:57:38 PM	25062
Toluene	ND	0.048		mg/Kg	1	4/29/2016 9:57:38 PM	25062
Ethylbenzene	ND	0.048		mg/Kg	1	4/29/2016 9:57:38 PM	25062
Xylenes, Total	ND	0.096		mg/Kg	1	4/29/2016 9:57:38 PM	25062
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	4/29/2016 9:57:38 PM	25062

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Yates Petroleum Corporation      Client Sample ID: Overspray 3-1'  
 Project: Lusk AHB Federal #10H      Collection Date: 4/26/2016 8:20:00 AM  
 Lab ID: 1604C22-003      Matrix: SOIL      Received Date: 4/28/2016 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/2/2016 12:19:07 PM	25074
Surr: DNOP	91.8	70-130		%Rec	1	5/2/2016 12:19:07 PM	25074
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/29/2016 10:21:10 PM	25062
Surr: BFB	96.7	80-120		%Rec	1	4/29/2016 10:21:10 PM	25062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	4/29/2016 10:21:10 PM	25062
Toluene	ND	0.049		mg/Kg	1	4/29/2016 10:21:10 PM	25062
Ethylbenzene	ND	0.049		mg/Kg	1	4/29/2016 10:21:10 PM	25062
Xylenes, Total	ND	0.097		mg/Kg	1	4/29/2016 10:21:10 PM	25062
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	4/29/2016 10:21:10 PM	25062

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified



# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604C22

06-May-16

Client: Yates Petroleum Corporation

Project: Lusk AHB Federal #10H

Sample ID	LCS-25074	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25074	RunNo:	33916					
Prep Date:	4/29/2016	Analysis Date:	5/2/2016	SeqNo:	1044743	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	65.8	136			
Surr: DNOP	4.3		5.000		85.1	70	130			

Sample ID	MB-25074	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25074	RunNo:	33916					
Prep Date:	4/29/2016	Analysis Date:	5/2/2016	SeqNo:	1044744	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.8		10.00		88.3	70	130			

## 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
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604C22

06-May-16

**Client:** Yates Petroleum Corporation

**Project:** Lusk AHB Federal #10H

Sample ID	<b>MB-25062</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>25062</b>	RunNo:	<b>33888</b>					
Prep Date:	<b>4/28/2016</b>	Analysis Date:	<b>4/29/2016</b>	SeqNo:	<b>1043964</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.6	80	120			

Sample ID	<b>LCS-25062</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>25062</b>	RunNo:	<b>33888</b>					
Prep Date:	<b>4/28/2016</b>	Analysis Date:	<b>4/29/2016</b>	SeqNo:	<b>1043965</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.8	80	120			
Surr: BFB	1000		1000		105	80	120			

**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
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604C22

06-May-16

**Client:** Yates Petroleum Corporation

**Project:** Lusk AHB Federal #10H

Sample ID	<b>MB-25062</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>25062</b>	RunNo:	<b>33888</b>					
Prep Date:	<b>4/28/2016</b>	Analysis Date:	<b>4/29/2016</b>	SeqNo:	<b>1043996</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	<b>LCS-25062</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>25062</b>	RunNo:	<b>33888</b>					
Prep Date:	<b>4/28/2016</b>	Analysis Date:	<b>4/29/2016</b>	SeqNo:	<b>1043997</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	75.3	123			
Toluene	0.84	0.050	1.000	0	84.4	80	124			
Ethylbenzene	0.83	0.050	1.000	0	82.6	82.8	121			S
Xylenes, Total	2.5	0.10	3.000	0	81.8	83.9	122			S
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

**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
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory  
 4301 Hawkins NE,  
 Albuquerque, NM 87199  
 TEL: 505-345-3975 FAX: 505-345-4197  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Yates Petroleum Corpora      Work Order Number: 1604C22      RptNo: 1

Received by/date: *JA*      *04/28/16*  
 Logged By: Ashley Gallegos      4/28/2016 9:10:00 AM      *AG*  
 Completed By: Ashley Gallegos      4/28/2016 9:42:11 AM      *AG*  
 Reviewed By: *JA*      *04/28/16*

**Chain of Custody**

- 1. Custody seals intact on sample bottles?      Yes       No       Not Present
- 2. Is Chain of Custody complete?      Yes       No       Not Present
- 3. How was the sample delivered?      Courier

**Log In**

- 4. Was an attempt made to cool the samples?      Yes       No       NA
- 5. Were all samples received at a temperature of >2° C to 8.0° C      Yes       No       NA
- 6. Sample(s) in proper container(s)?      Yes       No
- 7. Sufficient sample volume for indicated test(s)?      Yes       No
- 8. Are samples (except VOA and ONG) properly preserved?      Yes       No
- 9. Was preservative added to bottles?      Yes       No       NA
- 10. VOA vials have zero headspace?      Yes       No       No VOA Vials
- 11. Were any sample containers received broken?      Yes       No
- 12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody)      Yes       No       # of preserved bottles checked for pH:      (*<2 or >12 unless noted*)
- 13. Are matrices correctly identified on Chain of Custody?      Yes       No       Adjusted?
- 14. Is it clear what analyses were requested?      Yes       No
- 15. Were all holding times able to be met?  
(If no, notify customer for authorization.)      Yes       No       Checked by \_\_\_\_\_

**Special Handling (if applicable)**

- 16. 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: \_\_\_\_\_

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good	Yes			

# Chain-of-Custody Record

Client: Yates Petroleum Corporation  
 Project Name: Lusk AHB Federal #10H  
 Project #: 4/21/2016 Release  
 Project Manager: Amber Griffin  
 PO # 205-2020

Sampling Information:  
 Date: 4/26/2016  
 Time: 7:40  
 Matrix: Soil  
 Sample Request ID: 110D4CAA  
 Container Type and #: 1 - 4oz.  
 Preservative Type: Ice  
 Sample Temperature: 5.3  
 On Ice:  Yes  No

Accreditation:  
 NELAP  
 EDD (Type)  
 Standard:  Level 4 (Full Validation)  
 Other:

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
4/26/2016	7:40	Soil	Overspray 1-1'	1 - 4oz.	Ice	110D4CAA
4/26/2016	8:00	Soil	Overspray 2-1'	1 - 4oz.	Ice	-002
4/26/2016	8:20	Soil	Overspray 3-1'	1 - 4oz.	Ice	-003
4/26/2016	9:00	Soil	Pooling 1-1'	1 - 4oz.	Ice	-004

Received by: Amber Griffin  
 Date: 4/27/16  
 Time: 8:00  
 Relinquished by: Amber Griffin  
 Date: 4/29/16  
 Time: 0910



HALL ENVIRONMENTAL ANALYSIS LABORATORY  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX + MTBE + TMBs (8021)	X
BTEX + MTBE + TPH (Gas only)	X
TPH Method 8015B (Gas/Diesel)	X
TPH (Method 418.1)	
EDB (Method 504.1)	
8310 (PNA or PAH)	
RCRA 8 Metals	X
Anions (F <sup>-</sup> , Cl <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> )	X
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
Air Bubbles (Y or N)	

Remarks: TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg. Anions: Chloride Only. Please put chlorides on a separate report. Results needed by Wednesday, May 4, 2016. Thank you.

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 rotated on the analytical report.



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)

May 06, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Lusk AHB Federal #10H

OrderNo.: 1604C22

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/28/2016 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. 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 qualifiers 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,

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: 1604C22

Date Reported: 5/6/2016

Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum Corporation  
**Project:** Lusk AHB Federal #10H

**Lab Order:** 1604C22

**Lab ID:** 1604C22-001 **Collection Date:** 4/26/2016 7:40:00 AM  
**Client Sample ID:** Overspray 1-1' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	-----	------	-------	----	---------------	----------

<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/2/2016 6:06:25 PM	25106

**Lab ID:** 1604C22-002 **Collection Date:** 4/26/2016 8:00:00 AM  
**Client Sample ID:** Overspray 2-1' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	-----	------	-------	----	---------------	----------

<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/2/2016 6:43:39 PM	25106

**Lab ID:** 1604C22-003 **Collection Date:** 4/26/2016 8:20:00 AM  
**Client Sample ID:** Overspray 3-1' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	-----	------	-------	----	---------------	----------

<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/2/2016 6:56:03 PM	25106

**Lab ID:** 1604C22-004 **Collection Date:** 4/26/2016 9:00:00 AM  
**Client Sample ID:** Pooling 1-1' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	-----	------	-------	----	---------------	----------

<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	6700	300		mg/Kg	200	5/3/2016 6:28:23 PM	25106

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604C22

06-May-16

**Client:** Yates Petroleum Corporation

**Project:** Lusk AHB Federal #10H

Sample ID	<b>MB-25106</b>	SampType:	<b>mblk</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>25106</b>	RunNo:	<b>33940</b>					
Prep Date:	<b>5/2/2016</b>	Analysis Date:	<b>5/2/2016</b>	SeqNo:	<b>1045729</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	<b>LCS-25106</b>	SampType:	<b>ics</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>25106</b>	RunNo:	<b>33940</b>					
Prep Date:	<b>5/2/2016</b>	Analysis Date:	<b>5/2/2016</b>	SeqNo:	<b>1045730</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory  
 4001 Hawkins NE  
 Albuquerque, NM 87199  
 TEL: 505-345-3975 FAX: 505-345-4197  
 Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: Yates Petroleum Corpora      Work Order Number: 1604C22      RptNo: 1

Received by/date:

*JA*

*04/28/16*

Logged By:

Ashley Gallegos

4/28/2016 9:10:00 AM

*AG*

Completed By:

Ashley Gallegos

4/28/2016 9:42:11 AM

*AG*

Reviewed By:

*JA*

*04/28/16*

### Chain of Custody

1. Custody seals intact on sample bottles?      Yes       No       Not Present
2. Is Chain of Custody complete?      Yes       No       Not Present
3. How was the sample delivered?      Courier

### Log In

4. Was an attempt made to cool the samples?      Yes       No       NA
5. Were all samples received at a temperature of >0° C to 8.0° C      Yes       No       NA
6. Sample(s) in proper container(s)?      Yes       No
7. Sufficient sample volume for indicated test(s)?      Yes       No
8. Are samples (except VOA and ONG) properly preserved?      Yes       No
9. Was preservative added to bottles?      Yes       No       NA
10. VOA vials have zero headspace?      Yes       No       No VOA Vials
11. Were any sample containers received broken?      Yes       No
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody)      Yes       No       # of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?      Yes       No       Adjusted? \_\_\_\_\_
14. Is it clear what analyses were requested?      Yes       No
15. Were all holding times able to be met?  
(If no, notify customer for authorization.)      Yes       No       Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. 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: \_\_\_\_\_

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good	Yes			





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4901 Hawkins NE  
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May 13, 2016

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

RE: Lusk AHB Federal 10H

OrderNo.: 1605293

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 9 sample(s) on 5/6/2016 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. 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Analytical Report

Lab Order: 1605293

Date Reported: 5/13/2016

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Yates Petroleum Corporation  
**Project:** Lusk AHB Federal 10H

**Lab Order:** 1605293

**Lab ID:** 1605293-001 **Collection Date:** 5/4/2016 8:34:00 AM  
**Client Sample ID:** Pooling 1-2' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	3300	150		mg/Kg	100	5/12/2016 2:11:54 PM	25250

**Lab ID:** 1605293-002 **Collection Date:** 5/4/2016 8:38:00 AM  
**Client Sample ID:** Pooling 1-3' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	4400	150		mg/Kg	100	5/12/2016 2:24:18 PM	25250

**Lab ID:** 1605293-003 **Collection Date:** 5/4/2016 8:41:00 AM  
**Client Sample ID:** Pooling 1-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	8300	750		mg/Kg	500	5/12/2016 2:36:42 PM	25250

**Lab ID:** 1605293-004 **Collection Date:** 5/4/2016 8:45:00 AM  
**Client Sample ID:** Pooling 1-5' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	4000	150		mg/Kg	100	5/12/2016 2:49:06 PM	25250

**Lab ID:** 1605293-005 **Collection Date:** 5/4/2016 8:47:00 AM  
**Client Sample ID:** Pooling 1-6' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	4800	300		mg/Kg	200	5/12/2016 3:01:31 PM	25250

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	Page 1 of 3
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range	
	R RPD outside accepted recovery limits	RL Reporting Detection Limit	
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified	

Analytical Report

Lab Order: 1605293

Date Reported: 5/13/2016

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Yates Petroleum Corporation  
**Project:** Lusk AHB Federal 10H

**Lab Order:** 1605293

**Lab ID:** 1605293-006 **Collection Date:** 5/4/2016 8:50:00 AM  
**Client Sample ID:** Pooling 1-7' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	2300	75		mg/Kg	50	5/12/2016 3:13:55 PM	25250

**Lab ID:** 1605293-007 **Collection Date:** 5/4/2016 8:53:00 AM  
**Client Sample ID:** Pooling 1-8' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	1400	75		mg/Kg	50	5/12/2016 3:26:20 PM	25250

**Lab ID:** 1605293-008 **Collection Date:** 5/4/2016 8:56:00 AM  
**Client Sample ID:** Pooling 1-9' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	540	30		mg/Kg	20	5/10/2016 4:07:01 PM	25250

**Lab ID:** 1605293-009 **Collection Date:** 5/4/2016 8:59:00 AM  
**Client Sample ID:** Pooling 1-10' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	61	30		mg/Kg	20	5/10/2016 4:19:25 PM	25250

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605293

13-May-16

Client: Yates Petroleum Corporation

Project: Lusk AHB Federal 10H

Sample ID	MB-25250	SampType	MBLK	TestCode	EPA Method 300.0: Anions					
Client ID	PBS	Batch ID	25250	RunNo	34133					
Prep Date	5/10/2016	Analysis Date	5/10/2016	SeqNo	1052258	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25250	SampType	LCS	TestCode	EPA Method 300.0: Anions					
Client ID	LCSS	Batch ID	25250	RunNo	34133					
Prep Date	5/10/2016	Analysis Date	5/10/2016	SeqNo	1052259	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



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

# Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1605293

RcpINo: 1

Received by/date:

*JA*

*05/06/16*

Logged By:

Ashley Gallegos

5/6/2016 10:35:00 AM

*AG*

Completed By:

Ashley Gallegos

5/6/2016 11:22:46 AM

*AG*

Reviewed By:

*JA*

*05/06/16*

**Chain of Custody**

- 1. Custody seals intact on sample bottles? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 6. Sample(s) in proper container(s)? Yes  No
- 7. Sufficient sample volume for indicated test(s)? Yes  No
- 8. Are samples (except VOA and ONG) properly preserved? Yes  No
- 9. Was preservative added to bottles? Yes  No  NA
- 10. VOA vials have zero headspace? Yes  No  No VOA Vials
- 11. Were any sample containers received broken? Yes  No
- 12. Does paperwork match bottle labels? Yes  No  # of preserved bottles checked for pH: ( <2 or >12 unless noted)
- 13. Are matrices correctly identified on Chain of Custody? Yes  No  Adjusted?
- 14. Is it clear what analyses were requested? Yes  No
- 15. Were all holding times able to be met? Yes  No  Checked by:

**Special Handling (if applicable)**

- 16. 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: \_\_\_\_\_

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

# Chain-of-Custody Record

Client: Yates Petroleum Corporation  
 Mailing Address:  
 105 South 4th Street Artesia, NM 88210  
 Phone #: 575-513-8799 or 575-748-4111  
 email or Fax#: agriffin@yatespetroleum.com  
 QA/QC Package  
 Stancard  Level 4 (Full Validation)  
 Accreditation:  
 NELAP  Other  
 EDD (Type)

Turn-Around Time:  
 Standard Need by 5/12/2016  
 Project Name:  
 Lusk AHB Federal #10H  
 Project #:  
 4/21/2016 Release  
 Project Manager:  
 Amber Griffin  
 PO # 205-2020  
 Sampler:  
 Amber Griffin A6  
 On Ice:  Yes  No  
 Sample Temperature: 18.8



4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107  
 www.hallenvironmental.com

**Analysis Request**

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDR (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO <sub>2</sub> , NO <sub>3</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	826CB (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
----------------------------	------------------------------	-------------------------------	--------------------	--------------------	-------------------	---------------	--	------------------------------	-------------	-----------------	----------------------

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
5/4/2016	8:34	Soil	Pooling 1-2'	1 - 4oz.		116055223 -001
5/4/2016	8:38	Soil	Pooling 1-3'	1 - 4oz.		-002
5/4/2016	8:41	Soil	Pooling 1-4'	1 - 4oz.		-003
5/4/2016	8:45	Soil	Pooling 1-5'	1 - 4oz.		-004
5/4/2016	8:47	Soil	Pooling 1-6'	1 - 4oz.		-005
5/4/2016	8:50	Soil	Pooling 1-7'	1 - 4oz.		-006
5/4/2016	8:53	Soil	Pooling 1-8'	1 - 4oz.		-007
5/4/2016	8:56	Soil	Pooling 1-9'	1 - 4oz.		-008
5/4/2016	8:59	Soil	Pooling 1-10'	1 - 4oz.		-009

Date: 5/5/16 9:00  
 Time: 9:00  
 Relinquished by: Amber Griffin  
 Date: 05/09/16 1035  
 Time: 1035  
 Relinquished by: Amber Griffin

Remarks: Anions: Chloride Only. Results needed by Thursday, May 12, 2016. Thank you.

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.