

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 575-748-4217	
Facility Name Basilisk BQS State Com. #1-H	API Number 30-025-40054	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. NM-18631

LOCATION OF RELEASE

Unit Letter N	Section 36	Township 24S	Range 32E	Feet from the 330	North/South Line South	Feet from the 1980	East/West Line West	County Lea
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Latitude 32.16760 Longitude 103.63013

NATURE OF RELEASE

Type of Release Condensate & Produced Water	Volume of Release Unknown	Volume Recovered None
Source of Release Unauthorized Dumping	Date and Hour of Occurrence 4/1/2015; AM	Date and Hour of Discovery 4/1/2015; AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Tomas Oberding/NMOCD I	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 4/2/2015; Email	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* A unauthorized dumping of an unknown amounts of condensate and produced water was discovered by the lease operator at the NE corner of the production pad. There was no oil or water to recover.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 60' X 45'. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. Depth to Ground Water: > 100' (approximately 125' per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on remediation work and analytical data, Yates Petroleum Corporation requests closure.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

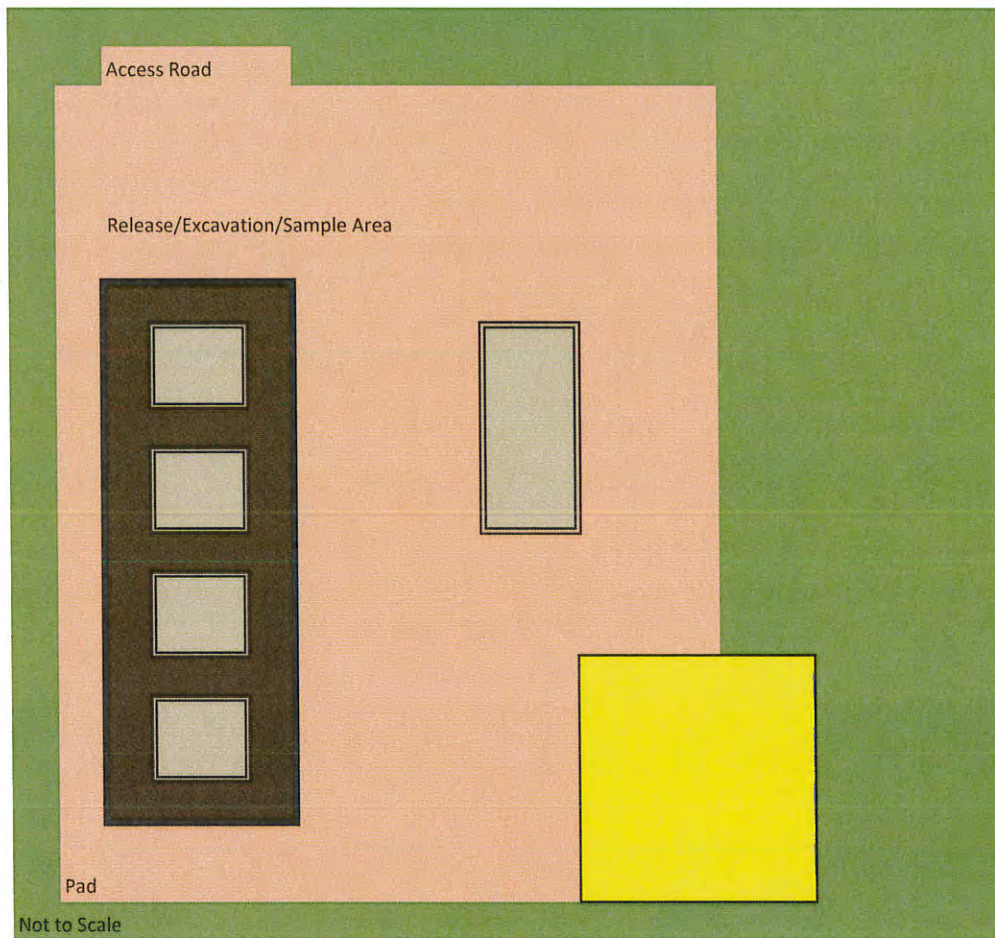
OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor: 	
Printed Name: Robert Asher	Approval Date: 11/14/16	Expiration Date: N/A
Title: NM Environmental Regulatory Supervisor	Conditions of Approval:	
E-mail Address: boba@yatespetroleum.com	Attached ☐	
Date: Tuesday, October 18, 2016 Phone: 575-748-4217	1RP- N/A	

* Attach Additional Sheets If Necessary

NW

NE



Analytical Report- H501007 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
C 00.5	Release Area	4/16/2015	Comp/Auger	6"	6.67	715	5490	6205	43
C 01.0	Release Area	4/16/2015	Comp/Auger	12"	98.20	2090	5740	7830	120
C 01.5	Release Area	4/16/2015	Comp/Auger	18"	97.50	2200	5600	7800	120
C 02.0	Release Area	4/16/2015	Comp/Auger	24"	42.50	895	2470	3365	130
Analytical Report- 1610349 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
C 03.0	Release Area	9/13/2016	Comp/Auger	12" (36" BSL)	ND	ND	78	78	ND
C 03.5	Release Area	9/13/2016	Comp/Auger	18" (42" BSL)	ND	ND	ND	ND	32
C 04.0	Release Area	9/13/2016	Comp/Auger	24" (48" BSL)	ND	ND	24	24	49

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 55', per ChevronTexaco Trend Map).

All results are ppm. BLS - Below Surface Level

Released: 30 B/PW; Recovered: 30 B/PW. Release Date: 7/11/2015

24" of impacted soils excavated before 9/13/2016 samples collected.

SW

SE

April 24, 2015

ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BASILISK BQS STATE COM. #1-H

Enclosed are the results of analyses for samples received by the laboratory on 04/17/15 11:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 YATES PETROLEUM CORPORATION
 ROBERT ASHER
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	04/17/2015	Sampling Date:	04/16/2015
Reported:	04/24/2015	Sampling Type:	Soil
Project Name:	BASILISK BQS STATE COM. #1-H	Sampling Condition:	Cool & Intact
Project Number:	30-025-40054	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: C01.0 (H501007-02)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	04/20/2015	ND	2.01	101	2.00	0.0320		
Toluene*	8.92	1.00	04/20/2015	ND	1.81	90.7	2.00	1.79		
Ethylbenzene*	2.45	1.00	04/20/2015	ND	1.69	84.7	2.00	0.715		
Total Xylenes*	86.9	3.00	04/20/2015	ND	5.51	91.8	6.00	0.577		
Total BTEX	98.2	6.00	04/20/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2090	10.0	04/18/2015	ND	187	93.6	200	1.51	
DRO >C10-C28	5740	10.0	04/18/2015	ND	220	110	200	1.61	

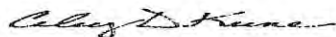
Surrogate: 1-Chlorooctane 207 % 47.2-157

Surrogate: 1-Chlorooctadecane 175 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 YATES PETROLEUM CORPORATION
 ROBERT ASHER
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	04/17/2015	Sampling Date:	04/16/2015
Reported:	04/24/2015	Sampling Type:	Soil
Project Name:	BASILISK BQS STATE COM. #1-H	Sampling Condition:	Cool & Intact
Project Number:	30-025-40054	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: C01.5 (H501007-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	15.3	1.00	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	6.41	1.00	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	75.8	3.00	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTX	97.5	6.00	04/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2200	10.0	04/18/2015	ND	187	93.6	200	1.51	
DRO >C10-C28	5600	10.0	04/18/2015	ND	220	110	200	1.61	

Surrogate: 1-Chlorooctane 209 % 47.2-157

Surrogate: 1-Chlorooctadecane 172 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 YATES PETROLEUM CORPORATION
 ROBERT ASHER
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 04/17/2015
 Reported: 04/24/2015
 Project Name: BASILISK BQS STATE COM. #1-H
 Project Number: 30-025-40054
 Project Location: LEA COUNTY, NM

 Sampling Date: 04/16/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: C02.0 (H501007-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	7.81	0.500	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	3.34	0.500	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	31.3	1.50	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	42.5	3.00	04/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	895	10.0	04/18/2015	ND	187	93.6	200	1.51	
DRO >C10-C28	2470	10.0	04/18/2015	ND	220	110	200	1.61	

Surrogate: 1-Chlorooctane 148 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

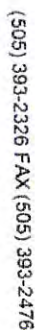
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Celey D. Keene, Lab Director/Quality Manager



Page 7 of 7

April 24, 2015

ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BASILISK BQS STATE COM. #1-H

Enclosed are the results of analyses for samples received by the laboratory on 04/17/15 11:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 YATES PETROLEUM CORPORATION
 ROBERT ASHER
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	04/17/2015	Sampling Date:	04/16/2015
Reported:	04/24/2015	Sampling Type:	Soil
Project Name:	BASILISK BQS STATE COM. #1-H	Sampling Condition:	Cool & Intact
Project Number:	30-025-40054	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: C00.5 (H501007-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	04/20/2015	ND	432	108	400	7.69	

Sample ID: C01.0 (H501007-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	04/20/2015	ND	432	108	400	7.69		

Sample ID: C01.5 (H501007-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	04/20/2015	ND	432	108	400	7.69		

Sample ID: C02.0 (H501007-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	04/20/2015	ND	432	108	400	7.69		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Robert Asher

Comp:(505) 393-2326 Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4217

Sampler Signature:

e-mail:

boba@yatespetroleum.com

Report Format: ☒ Standard

PO #: 205632

Project Loc: Lea County

Project #: 30-025-40054

Project Name: Basilisk BQS State Com. #1-H

Page 4 of 4

[illegible]



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

October 13, 2016

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

RE: Basilisk BQS State Com 1H

OrderNo.: 1610349

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/7/2016 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 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'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1610349

Date Reported: 10/13/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Yates Petroleum Corporation
Project: Basilisk BQS State Com 1H**Lab Order:** 1610349**Lab ID:** 1610349-001**Collection Date:** 10/3/2016 12:04:00 PM**Client Sample ID:** C 03.0**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	10/12/2016 5:45:57 PM	28015

Lab ID: 1610349-002**Collection Date:** 10/3/2016 12:14:00 PM**Client Sample ID:** C 03.5**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	32	30		mg/Kg	20	10/12/2016 5:58:22 PM	28015

Lab ID: 1610349-003**Collection Date:** 10/3/2016 12:27:00 PM**Client Sample ID:** C 04.0**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	49	30		mg/Kg	20	10/12/2016 6:10:46 PM	28015

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610349

13-Oct-16

Client: Yates Petroleum Corporation

Project: Basilisk BQS State Com 1H

Sample ID	MB-28015	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	28015	RunNo:	37905					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180857	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-28015	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	28015	RunNo:	37905					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180858	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	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 |

Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1610349

RcptNo: 1

Received by/date:	<i>[Signature]</i>	10/07/16
Logged By:	Lindsay Mangin	10/7/2016 9:45:00 AM
Completed By:	Lindsay Mangin	10/7/2016 2:52:21 PM
Reviewed By:	<i>[Signature]</i>	10/7/16

Chain of Custody

- Custody seals intact on sample bottles? Yes ☒ No ☐ Not Present ☐
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

# of preserved bottles checked for pH:	_____
(<2 or >12 unless noted)	
Adjusted?	_____
Checked by:	_____

Special Handling (if applicable)

- 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:	_____		

- Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Yes			

Remarks: Please put chloride results on separate report.

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

October 13, 2016

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

RE: Basilisk BQS State Com 1H

OrderNo.: 1610349

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/7/2016 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 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

Analytical Report

Lab Order 1610349

Date Reported: 10/13/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: C 03.0

Project: Basilisk BQS State Com 1H

Collection Date: 10/3/2016 12:04:00 PM

Lab ID: 1610349-001

Matrix: SOIL

Received Date: 10/7/2016 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	78	9.9		mg/Kg	1	10/11/2016 4:21:20 PM	27964
Surr: DNOP	80.7	70-130		%Rec	1	10/11/2016 4:21:20 PM	27964
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2016 2:18:31 PM	27962
Surr: BFB	95.5	68.3-144		%Rec	1	10/11/2016 2:18:31 PM	27962
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/11/2016 2:18:31 PM	27962
Toluene	ND	0.046		mg/Kg	1	10/11/2016 2:18:31 PM	27962
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2016 2:18:31 PM	27962
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2016 2:18:31 PM	27962
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	10/11/2016 2:18:31 PM	27962

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

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

Analytical Report

Lab Order 1610349

Date Reported: 10/13/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: C 03.5

Project: Basilisk BQS State Com 1H

Collection Date: 10/3/2016 12:14:00 PM

Lab ID: 1610349-002

Matrix: SOIL

Received Date: 10/7/2016 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/11/2016 4:44:24 PM	27964
Surr: DNOP	81.4	70-130		%Rec	1	10/11/2016 4:44:24 PM	27964
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2016 2:42:00 PM	27962
Surr: BFB	90.7	68.3-144		%Rec	1	10/11/2016 2:42:00 PM	27962
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/11/2016 2:42:00 PM	27962
Toluene	ND	0.050		mg/Kg	1	10/11/2016 2:42:00 PM	27962
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2016 2:42:00 PM	27962
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2016 2:42:00 PM	27962
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	10/11/2016 2:42:00 PM	27962

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 2 of 6
	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 1610349

Date Reported: 10/13/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: C 04.0

Project: Basilisk BQS State Com 1H

Collection Date: 10/3/2016 12:27:00 PM

Lab ID: 1610349-003

Matrix: SOIL

Received Date: 10/7/2016 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	24	9.7		mg/Kg	1	10/11/2016 5:07:34 PM	27964
Surr: DNOP	81.3	70-130		%Rec	1	10/11/2016 5:07:34 PM	27964
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2016 3:05:27 PM	27962
Surr: BFB	91.6	68.3-144		%Rec	1	10/11/2016 3:05:27 PM	27962
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/11/2016 3:05:27 PM	27962
Toluene	ND	0.050		mg/Kg	1	10/11/2016 3:05:27 PM	27962
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2016 3:05:27 PM	27962
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2016 3:05:27 PM	27962
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	10/11/2016 3:05:27 PM	27962

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610349

13-Oct-16

Client: Yates Petroleum Corporation

Project: Basilisk BQS State Com 1H

Sample ID	LCS-27964	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27964	RunNo:	37844					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179127	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	62.6	124			
Surr: DNOP	4.6		5.000		92.8	70	130			

Sample ID	MB-27964	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27964	RunNo:	37844					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179128	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	10		10.00		101	70	130			

Sample ID	LCS-27994	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27994	RunNo:	37869					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1179829	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.2	70	130			

Sample ID	MB-27994	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27994	RunNo:	37869					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1179830	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.4	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#: 1610349

13-Oct-16

Client: Yates Petroleum Corporation

Project: Basilisk BQS State Com 1H

Sample ID	MB-27962	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	27962	RunNo:	37863					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179358	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

ND

5.0

Surr: BFB

920

1000

91.9

68.3

144

Sample ID	LCS-27962	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	27962	RunNo:	37863					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179359	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

30

5.0

25.00

0

120

74.6

123

Surr: BFB

1000

1000

101

68.3

144

Sample ID	MB-27999	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	27999	RunNo:	37885					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180069	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB

920

1000

92.3

68.3

144

Sample ID	LCS-27999	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	27999	RunNo:	37885					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180070	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB

1000

1000

104

68.3

144

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#: 1610349

13-Oct-16

Client: Yates Petroleum Corporation

Project: Basilisk BQS State Com 1H

Sample ID	MB-27962	SampType:	MBLK			TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	27962			RunNo:	37863				
Prep Date:	10/10/2016	Analysis Date:	10/11/2016			SeqNo:	1179392	Units:	mg/Kg		
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	1.1		1.000		108	80	120				

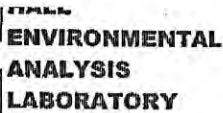
Sample ID	LCS-27962	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID: 27962			RunNo: 37863					
Prep Date:	10/10/2016	Analysis Date: 10/11/2016			SeqNo: 1179393		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	75.2	115			
Toluene	1.0	0.050	1.000	0	103	80.7	112			
Ethylbenzene	1.0	0.050	1.000	0	104	78.9	117			
Xylenes, Total	3.1	0.10	3.000	0	103	79.2	115			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

Sample ID	MB-27999	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	27999	RunNo:	37885					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180084	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	LCS-27999	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	27999	RunNo:	37885					
Prep Date:	10/11/2016	Analysis Date:	10/12/2016	SeqNo:	1180085	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		115	80	120			

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 |



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