

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

September 14, 2016

Mr. Mike Bratcher/ Ms. Heather Patterson
NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Federal AB #9
Unit N, Section 32, T18S-R25E
Eddy County, New Mexico

Dear Mr. Bratcher / Ms. Patterson,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated September 11, 2015.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after September 28, 2016.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle
Environmental Representative

Enclosure(s)



Yates Petroleum Corporation

Federal AB #9 Work Plan

Section 32, T18S-R25E

Eddy County, New Mexico

September 14, 2016

2RP-3254

I. Location

Take HWY 285 south of Artesia for 9.1 miles, then turn west on West Kincaid Ranch Road and go 6 miles before taking a right at the Y intersection onto the lease road for 1.83 miles, then north for ½ a mile, then turn east for ¼ mile to the site.

II. Background

On September 11, 2015, Yates submitted to the NMOCD District II office a Form C-141 for a release of 10 B/O and 10 B/PW with none recovered. The affected area is approximately 30 feet by 100 feet adjacent to the flow line north of the pumping unit. Initial remediation activities consisted of excavating 3 to 6 inches in the S1 area to the rock plate and approximately 1 to 2 feet in the S2 area, hauling all impacted soils to an NMOCD approved facility for disposal. Initial delineation samples were taken (02/17/2016) and sent to a NMOCD approved laboratory (03/01/2016 and 03/01/2016, results enclosed). Further sampling was conducted (05/03/2016) and sent to a NMOCD approved laboratory (05/12/2016, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 32, T18S-R25E) that depth to groundwater is approximately 235' 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 as following:

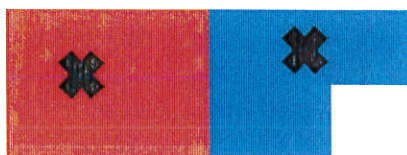
| | |
|--------------------------------|---------|
| Depth to ground water | > 100' |
| Wellhead Protection Area | > 1000' |
| Distance to surface water body | > 1000' |

IV. Soils

The release area consists of layered rock plate on the western half, and loamy topsoil interspersed with clay seams on the eastern half.

V. Scope of Work

Based on enclosed analytical results, the depth to ground water (235'), and a decrease in TPH, BTEX, & chloride concentration, Yates Petroleum Corporation proposes to excavate two (2) feet of impacted soil in the S1 release area and eleven (11) feet within the S2 release area, hauling excavated soils to an NMOCD approved facility for disposal. Yates will then backfill the S1 excavated area with two (2) feet of topsoil and the S2 excavation area with nine (9) feet of caliche and two (2) feet of topsoil. The remediated release area will then be seeded during Yates seeding schedule with a native grass seed mix developed using surface owner input. With such an extreme depth to groundwater (235') and TPH & BTEX below RRAL, no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141 Final Report will be submitted to the NMOCD requesting closure of the site.



Federal AB #9- Not To Scale



S1 Release Area



S2 Release Area

| Area | Analysis Report | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | Chlorides |
|--------|-----------------|-------------|-------------|-------|-------|------|-------|-----------|
| S1-1' | 1602859 | 2/17/2016 | Backhoe | 1' | 562 | 3400 | 18000 | 960 |
| S1-2' | 1602859 | 2/17/2016 | Backhoe | 2' | 912 | 5800 | 27000 | 68 |
| S1-3' | 1602859 | 2/17/2016 | Backhoe | 3' | 5.62 | 60 | 270 | 38 |
| S1-4' | 1602859 | 2/17/2016 | Backhoe | 4' | ND | ND | ND | 42 |
| S2-1' | 1602859 | 2/17/2016 | Backhoe | 1' | 149.2 | 1200 | 12000 | 9600 |
| S2-2' | 1602859 | 2/17/2016 | Backhoe | 2' | 284.7 | 2000 | 12000 | 8400 |
| S2-3' | 1602859 | 2/17/2016 | Backhoe | 3' | 311 | 2500 | 15000 | 9900 |
| S2-4' | 1602859 | 2/17/2016 | Backhoe | 4' | 269 | 1900 | 12000 | 9100 |
| S2-5' | H600447 | 2/17/2016 | Backhoe | 5' | 117 | 1150 | 4360 | 9400 |
| S2-7' | H600447 | 2/17/2016 | Backhoe | 7' | 111 | 1030 | 3500 | 12000 |
| S2-9' | H600447 | 2/17/2016 | Backhoe | 9' | 136 | 1040 | 3390 | 4080 |
| S2-11' | H600447 | 2/17/2016 | Backhoe | 11' | 0.809 | 15 | 109 | 2560 |
| S2-13' | 1605292 | 5/3/2016 | Backhoe | 13' | N/A | N/A | N/A | 410 |
| S2-15' | 1605292 | 5/3/2016 | Backhoe | 15' | N/A | N/A | N/A | 180 |
| S2-17' | 1605292 | 5/3/2016 | Backhoe | 17' | N/A | N/A | N/A | 810 |
| S2-19' | 1605292 | 5/3/2016 | Backhoe | 19' | N/A | N/A | N/A | 210 |
| S2-20' | 1605292 | 5/3/2016 | Backhoe | 20' | N/A | N/A | N/A | 84 |

Site Ranking is Zero (0). >100' (235', Section 32, T18S-R25E, Trend Map

All results are ppm. Chlorides for documentation

Released: 10 B/O & 10 B/PW; Recovered: 0 B/O & 0 B/PW Release Date: 09/01/2015



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

March 01, 2016

Chase Settle

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Federal AB #9

OrderNo.: 1602859

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 8 sample(s) on 2/19/2016 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-1'

Project: Federal AB #9

Collection Date: 2/17/2016 8:12:00 AM

Lab ID: 1602859-001

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | | |
| Chloride | 960 | 30 | | mg/Kg | 20 | 2/24/2016 10:27:36 PM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | |
| Diesel Range Organics (DRO) | 18000 | 1000 | | mg/Kg | 100 | 2/24/2016 1:01:45 PM | 23859 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 1:01:45 PM | 23859 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | |
| Gasoline Range Organics (GRO) | 3400 | 96 | | mg/Kg | 20 | 2/23/2016 10:22:49 AM | 23866 |
| Surr: BFB | 447 | 66.2-112 | S | %Rec | 20 | 2/23/2016 10:22:49 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | |
| Benzene | 32 | 0.96 | | mg/Kg | 20 | 2/23/2016 10:22:49 AM | 23866 |
| Toluene | 210 | 2.4 | | mg/Kg | 50 | 2/24/2016 1:16:47 AM | 23866 |
| Ethylbenzene | 130 | 2.4 | | mg/Kg | 50 | 2/24/2016 1:16:47 AM | 23866 |
| Xylenes, Total | 190 | 1.9 | | mg/Kg | 20 | 2/23/2016 10:22:49 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 187 | 80-120 | S | %Rec | 20 | 2/23/2016 10:22:49 AM | 23866 |

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 |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-2'

Project: Federal AB #9

Collection Date: 2/17/2016 8:16:00 AM

Lab ID: 1602859-002

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|----------|------|-------|-----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | | |
| Chloride | 68 | 30 | | mg/Kg | 20 | 2/24/2016 10:40:00 PM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | |
| Diesel Range Organics (DRO) | 27000 | 1000 | | mg/Kg | 100 | 2/24/2016 1:23:36 PM | 23859 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 1:23:36 PM | 23859 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | |
| Gasoline Range Organics (GRO) | 5800 | 240 | | mg/Kg | 50 | 2/23/2016 10:46:16 AM | 23866 |
| Surr: BFB | 366 | 66.2-112 | S | %Rec | 50 | 2/23/2016 10:46:16 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | |
| Benzene | 52 | 2.4 | | mg/Kg | 50 | 2/23/2016 10:46:16 AM | 23866 |
| Toluene | 280 | 9.4 | | mg/Kg | 200 | 2/24/2016 1:40:20 AM | 23866 |
| Ethylbenzene | 200 | 2.4 | | mg/Kg | 50 | 2/23/2016 10:46:16 AM | 23866 |
| Xylenes, Total | 380 | 4.7 | | mg/Kg | 50 | 2/23/2016 10:46:16 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 179 | 80-120 | S | %Rec | 50 | 2/23/2016 10:46:16 AM | 23866 |

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 |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-3'

Project: Federal AB #9

Collection Date: 2/17/2016 8:19:00 AM

Lab ID: 1602859-003

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | | |
| | | | | | | Analyst: LGT | |
| Chloride | 38 | 30 | | mg/Kg | 20 | 2/24/2016 11:17:14 PM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | |
| | | | | | | Analyst: KJH | |
| Diesel Range Organics (DRO) | 270 | 9.2 | | mg/Kg | 1 | 2/24/2016 11:56:45 AM | 23860 |
| Surr: DNOP | 121 | 70-130 | | %Rec | 1 | 2/24/2016 11:56:45 AM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | |
| | | | | | | Analyst: NSB | |
| Gasoline Range Organics (GRO) | 60 | 4.8 | | mg/Kg | 1 | 2/24/2016 2:03:44 AM | 23866 |
| Surr: BFB | 461 | 66.2-112 | S | %Rec | 1 | 2/24/2016 2:03:44 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | |
| | | | | | | Analyst: NSB | |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 2/24/2016 2:03:44 AM | 23866 |
| Toluene | 0.62 | 0.048 | | mg/Kg | 1 | 2/24/2016 2:03:44 AM | 23866 |
| Ethylbenzene | 1.5 | 0.048 | | mg/Kg | 1 | 2/24/2016 2:03:44 AM | 23866 |
| Xylenes, Total | 3.5 | 0.096 | | mg/Kg | 1 | 2/24/2016 2:03:44 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 157 | 80-120 | S | %Rec | 1 | 2/24/2016 2:03:44 AM | 23866 |

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 |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-4'

Project: Federal AB #9

Collection Date: 2/17/2016 8:22:00 AM

Lab ID: 1602859-004

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 42 | 30 | | mg/Kg | 20 | 2/24/2016 11:29:39 PM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 2/24/2016 12:00:56 AM | 23860 |
| Surr: DNOP | 105 | 70-130 | | %Rec | 1 | 2/24/2016 12:00:56 AM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 2/24/2016 2:27:11 AM | 23866 |
| Surr: BFB | 100 | 66.2-112 | | %Rec | 1 | 2/24/2016 2:27:11 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 1 | 2/24/2016 2:27:11 AM | 23866 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 2/24/2016 2:27:11 AM | 23866 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 2/24/2016 2:27:11 AM | 23866 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 2/24/2016 2:27:11 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 112 | 80-120 | | %Rec | 1 | 2/24/2016 2:27:11 AM | 23866 |

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 |
| | II | 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.

Analytical Report
Lab Order 1602859
Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S2-1'

Project: Federal AB #9

Collection Date: 2/17/2016 9:00:00 AM

Lab ID: 1602859-005

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 9600 | 750 | | mg/Kg | 500 | 2/26/2016 1:14:13 AM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 12000 | 930 | | mg/Kg | 100 | 2/24/2016 1:45:24 PM | 23860 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 1:45:24 PM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 1200 | 48 | | mg/Kg | 10 | 2/23/2016 11:33:18 AM | 23866 |
| Surr: BFB | 530 | 66.2-112 | S | %Rec | 10 | 2/23/2016 11:33:18 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 4.2 | 0.48 | | mg/Kg | 10 | 2/23/2016 11:33:18 AM | 23866 |
| Toluene | 39 | 0.48 | | mg/Kg | 10 | 2/23/2016 11:33:18 AM | 23866 |
| Ethylbenzene | 39 | 0.48 | | mg/Kg | 10 | 2/23/2016 11:33:18 AM | 23866 |
| Xylenes, Total | 67 | 0.97 | | mg/Kg | 10 | 2/23/2016 11:33:18 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 187 | 80-120 | S | %Rec | 10 | 2/23/2016 11:33:18 AM | 23866 |

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 |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S2-2'

Project: Federal AB #9

Collection Date: 2/17/2016 9:01:00 AM

Lab ID: 1602859-006

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 8400 | 750 | | mg/Kg | 500 | 2/26/2016 1:26:37 AM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 12000 | 1000 | | mg/Kg | 100 | 2/24/2016 2:07:12 PM | 23860 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 2:07:12 PM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 2000 | 250 | | mg/Kg | 50 | 2/23/2016 11:56:50 AM | 23866 |
| Surr: BFB | 232 | 66.2-112 | S | %Rec | 50 | 2/23/2016 11:56:50 AM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 5.7 | 2.5 | | mg/Kg | 50 | 2/23/2016 11:56:50 AM | 23866 |
| Toluene | 79 | 2.5 | | mg/Kg | 50 | 2/23/2016 11:56:50 AM | 23866 |
| Ethylbenzene | 70 | 2.5 | | mg/Kg | 50 | 2/23/2016 11:56:50 AM | 23866 |
| Xylenes, Total | 130 | 4.9 | | mg/Kg | 50 | 2/23/2016 11:56:50 AM | 23866 |
| Surr: 4-Bromofluorobenzene | 141 | 80-120 | S | %Rec | 50 | 2/23/2016 11:56:50 AM | 23866 |

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 |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S2-3'

Project: Federal AB #9

Collection Date: 2/17/2016 9:04:00 AM

Lab ID: 1602859-007

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 9900 | 750 | | mg/Kg | 500 | 2/26/2016 1:39:01 AM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 15000 | 960 | | mg/Kg | 100 | 2/24/2016 2:28:53 PM | 23860 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 2:28:53 PM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 2500 | 93 | | mg/Kg | 20 | 2/23/2016 12:20:37 PM | 23866 |
| Surr: BFB | 633 | 66.2-112 | S | %Rec | 20 | 2/23/2016 12:20:37 PM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 10 | 0.93 | | mg/Kg | 20 | 2/23/2016 12:20:37 PM | 23866 |
| Toluene | 87 | 0.93 | | mg/Kg | 20 | 2/23/2016 12:20:37 PM | 23866 |
| Ethylbenzene | 74 | 0.93 | | mg/Kg | 20 | 2/23/2016 12:20:37 PM | 23866 |
| Xylenes, Total | 140 | 1.9 | | mg/Kg | 20 | 2/23/2016 12:20:37 PM | 23866 |
| Surr: 4-Bromofluorobenzene | 181 | 80-120 | S | %Rec | 20 | 2/23/2016 12:20:37 PM | 23866 |

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 |
| | II 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.

Analytical Report

Lab Order 1602859

Date Reported: 3/1/2016

CLIENT: Yates Petroleum Corporation

Client Sample ID: S2-4'

Project: Federal AB #9

Collection Date: 2/17/2016 9:07:00 AM

Lab ID: 1602859-008

Matrix: SOIL

Received Date: 2/19/2016 9:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 9100 | 750 | | mg/Kg | 500 | 2/26/2016 1:51:26 AM | 23934 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 12000 | 1000 | | mg/Kg | 100 | 2/24/2016 2:50:44 PM | 23860 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/24/2016 2:50:44 PM | 23860 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 1900 | 48 | | mg/Kg | 10 | 2/23/2016 12:44:11 PM | 23866 |
| Surr: BFB | 652 | 66.2-112 | S | %Rec | 10 | 2/23/2016 12:44:11 PM | 23866 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 11 | 0.48 | | mg/Kg | 10 | 2/23/2016 12:44:11 PM | 23866 |
| Toluene | 85 | 2.4 | | mg/Kg | 50 | 2/24/2016 2:50:30 AM | 23866 |
| Ethylbenzene | 63 | 2.4 | | mg/Kg | 50 | 2/24/2016 2:50:30 AM | 23866 |
| Xylenes, Total | 110 | 0.96 | | mg/Kg | 10 | 2/23/2016 12:44:11 PM | 23866 |
| Surr: 4-Bromofluorobenzene | 215 | 80-120 | S | %Rec | 10 | 2/23/2016 12:44:11 PM | 23866 |

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#: 1602859

01-Mar-16

Client: Yates Petroleum Corporation

Project: Federal AB #9

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|--------------|-----------|------|----------|------|
| Sample ID | MB-23934 | SampType: | MBLK | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 23934 | RunNo: | 32385 | | | | | |
| Prep Date: | 2/24/2016 | Analysis Date: | 2/24/2016 | SeqNo: | 990234 | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-23934 | SampType: | LCS | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 23934 | RunNo: | 32385 | | | | | |
| Prep Date: | 2/24/2016 | Analysis Date: | 2/24/2016 | SeqNo: | 990235 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.9 | 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 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602859

01-Mar-16

Client: Yates Petroleum Corporation

Project: Federal AB #9

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | LCS-23859 | | SampType: | LCS | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | LCSS | | Batch ID: | 23859 | | RunNo: | 32327 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 988166 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 43 | 10 | 50.00 | 0 | 86.5 | 65.8 | 136 | | | |
| Surr: DNOP | 4.8 | | 5.000 | | 95.8 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | LCS-23860 | | SampType: | LCS | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | LCSS | | Batch ID: | 23860 | | RunNo: | 32327 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 988167 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 45 | 10 | 50.00 | 0 | 90.5 | 65.8 | 136 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 99.1 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | MB-23859 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 23859 | | RunNo: | 32327 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 988168 | | 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 | 8.7 | | 10.00 | | 87.0 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | MB-23860 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 23860 | | RunNo: | 32327 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 988169 | | 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 | 9.1 | | 10.00 | | 90.6 | 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#: 1602859

01-Mar-16

Client: Yates Petroleum Corporation

Project: Federal AB #9

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-23866 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 23866 | RunNo: | 32332 | | | | | |
| Prep Date: | 2/22/2016 | Analysis Date: | 2/23/2016 | SeqNo: | 988952 | 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 | 950 | | 1000 | | 95.4 | 66.2 | 112 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-23866 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 23866 | RunNo: | 32332 | | | | | |
| Prep Date: | 2/22/2016 | Analysis Date: | 2/23/2016 | SeqNo: | 988963 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 29 | 5.0 | 25.00 | 0 | 114 | 79.6 | 122 | | | |
| Surr: BFB | 1100 | | 1000 | | 113 | 66.2 | 112 | | | S |

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#: 1602859

01-Mar-16

Client: Yates Petroleum Corporation

Project: Federal AB #9

| | | | | | | | | | | |
|----------------------------|-----------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | MB-23866 | | SampType: | MBLK | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | PBS | | Batch ID: | 23866 | | RunNo: | 32332 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 989021 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 113 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|
| Sample ID | LCS-23866 | | SampType: | LCS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | LCSS | | Batch ID: | 23866 | | RunNo: | 32332 | | | |
| Prep Date: | 2/22/2016 | | Analysis Date: | 2/23/2016 | | SeqNo: | 989022 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.050 | 1.000 | 0 | 105 | 80 | 120 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 105 | 80 | 120 | | | |
| Ethylbenzene | 1.1 | 0.050 | 1.000 | 0 | 106 | 80 | 120 | | | |
| Xylenes, Total | 3.2 | 0.10 | 3.000 | 0 | 108 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 115 | 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
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: 1602859

RcptNo: 1

Received by/date:

JA 02/19/16

Logged By: Ashley Gallegos

2/19/2016 9:00:00 AM

Completed By: Ashley Gallegos

2/19/2016 3:34:28 PM

Reviewed By:

AR 02/22/16

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
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: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | _____ | | |
| Client Instructions: | _____ | | |

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.1 | Good | Yes | | | |



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 01, 2016

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: FEDERAL AB #9

Enclosed are the results of analyses for samples received by the laboratory on 02/29/16 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 02/29/2016
Reported: 03/01/2016
Project Name: FEDERAL AB #9
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2-5' (H600447-01)

| BTEX 8021B | | | mg/kg | | | | | | | Analyzed By: MS | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|-----------------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | |
| Benzene* | 3.04 | 1.00 | 02/29/2016 | ND | 1.87 | 93.6 | 2.00 | 0.351 | | | |
| Toluene* | 31.5 | 1.00 | 02/29/2016 | ND | 1.81 | 90.3 | 2.00 | 0.547 | | | |
| Ethylbenzene* | 27.0 | 1.00 | 02/29/2016 | ND | 1.63 | 81.4 | 2.00 | 1.12 | | | |
| Total Xylenes* | 55.5 | 3.00 | 02/29/2016 | ND | 5.01 | 83.6 | 6.00 | 1.30 | | | |
| Total BTEX | 117 | 6.00 | 02/29/2016 | ND | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9400 | 16.0 | 03/01/2016 | ND | 448 | 112 | 400 | 0.00 | |
| 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 | 1150 | 10.0 | 02/29/2016 | ND | 197 | 98.4 | 200 | 2.97 | |
| DRO >C10-C28 | 4360 | 10.0 | 02/29/2016 | ND | 223 | 112 | 200 | 10.2 | |

Surrogate: 1-Chlorooctane 170 % 35-147

Surrogate: 1-Chlorooctadecane 137 % 28-171

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
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 02/29/2016
Reported: 03/01/2016
Project Name: FEDERAL AB #9
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2-7' (H600447-02)

| BTEX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 3.58 | 1.00 | 02/29/2016 | ND | 1.87 | 93.6 | 2.00 | 0.351 | |
| Toluene* | 33.0 | 1.00 | 02/29/2016 | ND | 1.81 | 90.3 | 2.00 | 0.547 | |
| Ethylbenzene* | 25.0 | 1.00 | 02/29/2016 | ND | 1.63 | 81.4 | 2.00 | 1.12 | |
| Total Xylenes* | 49.2 | 3.00 | 02/29/2016 | ND | 5.01 | 83.6 | 6.00 | 1.30 | |
| Total BTEX | 111 | 6.00 | 02/29/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12000 | 16.0 | 03/01/2016 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 1030 | 10.0 | 02/29/2016 | ND | 197 | 98.4 | 200 | 2.97 | |
| DRO >C10-C28 | 3500 | 10.0 | 02/29/2016 | ND | 223 | 112 | 200 | 10.2 | |

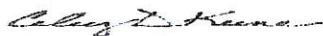
Surrogate: 1-Chlorooctane 151 % 35-147

Surrogate: 1-Chlorooctadecane 120 % 28-171

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
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 02/29/2016
Reported: 03/01/2016
Project Name: FEDERAL AB #9
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2-9' (H600447-03)

| BTEX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 3.97 | 1.00 | 03/01/2016 | ND | 1.87 | 93.6 | 2.00 | 0.351 | |
| Toluene* | 39.7 | 1.00 | 03/01/2016 | ND | 1.81 | 90.3 | 2.00 | 0.547 | |
| Ethylbenzene* | 30.8 | 1.00 | 03/01/2016 | ND | 1.63 | 81.4 | 2.00 | 1.12 | |
| Total Xylenes* | 61.8 | 3.00 | 03/01/2016 | ND | 5.01 | 83.6 | 6.00 | 1.30 | |
| Total BTEX | 136 | 6.00 | 03/01/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 03/01/2016 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 1040 | 10.0 | 02/29/2016 | ND | 197 | 98.4 | 200 | 2.97 | |
| DRO >C10-C28 | 3390 | 10.0 | 02/29/2016 | ND | 223 | 112 | 200 | 10.2 | |

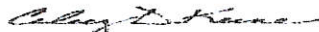
Surrogate: 1-Chlorooctane 155 % 35-147

Surrogate: 1-Chlorooctadecane 124 % 28-171

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 analysis. 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
CHASE SETTLE
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 02/29/2016
Reported: 03/01/2016
Project Name: FEDERAL AB #9
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2-11' (H600447-04)

| BTEX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.052 | 0.050 | 03/01/2016 | ND | 1.87 | 93.6 | 2.00 | 0.351 | |
| Toluene* | 0.229 | 0.050 | 03/01/2016 | ND | 1.81 | 90.3 | 2.00 | 0.547 | |
| Ethylbenzene* | 0.140 | 0.050 | 03/01/2016 | ND | 1.63 | 81.4 | 2.00 | 1.12 | |
| Total Xylenes* | 0.387 | 0.150 | 03/01/2016 | ND | 5.01 | 83.6 | 6.00 | 1.30 | |
| Total BTEX | 0.809 | 0.300 | 03/01/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2560 | 16.0 | 03/01/2016 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 15.0 | 10.0 | 02/29/2016 | ND | 197 | 98.4 | 200 | 2.97 | |
| DRO >C10-C28 | 109 | 10.0 | 02/29/2016 | ND | 223 | 112 | 200 | 10.2 | |


Surrogate: 1-Chlorooctane 96.6 % 35-147

Surrogate: 1-Chlorooctadecane 97.5 % 28-171

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.



Caley 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.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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

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



ARDINAL LABORATORIES
101 East Merland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Federal AB #9

Project #:

Project Loc:

Federal AB #9

PO #: 205, 0750

Page 7 of 7

Project Manager: Chase Settle

Company (505) 393-2326 Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 86210

Telephone No: 575-748-4171

Fax No: 575-748-4131

Sampler Signature:

e-mail: csettle@yatespetroleum.com

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

ORDER #: H600447

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total # of Containers | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other | TPH: 418.1 8015M 8015B | TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO ₄ , Alkalinity) | SAR / ESP / CEC | Metals As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTEX 80210/5030 or BTEX 8260 | RCI | NORM | Chlorides | SAR | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT | |
|---|------------|-----------------|--------------|--------------|--------------|----------------|-----------------------|-----|------------------|-----|--------------------------------|------|---|------|-----------------|--|------------------------|----------------------|-------------------------|---|-----------------|--------------------------------|-----------|---------------|------------------------------|-----|------|-----------|-----|--|--------------|--|
| 1 | S2-5' | | | 2/17/2016 | 9:11 AM | | 1 | X | | | | | | | | S | X | | | | | | | | | | | | | | | |
| 2 | S2-7' | | | 2/17/2016 | 9:15 AM | | 1 | X | | | | | | | | S | X | | | | | | | | | | | | | | | |
| 3 | S2-9' | | | 2/17/2016 | 9:23 AM | | 1 | X | | | | | | | | S | X | | | | | | | | | | | | | | | |
| 4 | S2-11' | | | 2/17/2016 | 9:30 AM | | 1 | X | | | | | | | | S | X | | | | | | | | | | | | | | | |
| Special Instructions: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: [Signature] Date: 2-29-16 Time: 2:20 PM Received by: [Signature] Date: 2/29/16 Time: 2:25 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: [Signature] Date: [] Time: [] Received by: [Signature] Date: [] Time: [] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: [Signature] Date: [] Time: [] Received by: [Signature] Date: [] Time: [] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Laboratory Comments:
Sample Containers Intact?
VOCs Free of Headspace?
Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s)
Sample Hand Delivered
by Courier?
UPS
DHL
FedEx
Lone Star
Temperature Upon Receipt: 0.8 °C



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

May 12, 2016

Chase Settle

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Federal AB 9

OrderNo.: 1605292

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 5 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 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order: 1605292
Date Reported: 5/12/2016

CLIENT: Yates Petroleum Corporation
Project: Federal AB 9

Lab Order: 1605292

Lab ID: 1605292-001

Collection Date: 5/3/2016 12:03:00 PM

Client Sample ID: S2-13'

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 410 | 30 | | mg/Kg | 20 | 5/11/2016 6:52:24 PM | 25270 |

Lab ID: 1605292-002

Collection Date: 5/3/2016 12:15:00 PM

Client Sample ID: S2-15'

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 180 | 30 | | mg/Kg | 20 | 5/11/2016 7:04:48 PM | 25270 |

Lab ID: 1605292-003

Collection Date: 5/3/2016 12:31:00 PM

Client Sample ID: S2-17'

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 810 | 30 | | mg/Kg | 20 | 5/11/2016 7:17:13 PM | 25270 |

Lab ID: 1605292-004

Collection Date: 5/3/2016 12:41:00 PM

Client Sample ID: S2-19'

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 210 | 30 | | mg/Kg | 20 | 5/11/2016 7:29:38 PM | 25270 |

Lab ID: 1605292-005

Collection Date: 5/3/2016 12:56:00 PM

Client Sample ID: S2-20'

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 84 | 30 | | mg/Kg | 20 | 5/11/2016 7:42:02 PM | 25270 |

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 1 of 2 |
| | 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#: 1605292

12-May-16

Client: Yates Petroleum Corporation

Project: Federal AB 9

| | | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|-----------|--------------------------|-----------|--------|----------|------|--|
| Sample ID | MB-25270 | SampType: | mbk | | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 25270 | | RunNo: | 34141 | | | | | |
| Prep Date: | 5/11/2016 | Analysis Date: | 5/11/2016 | | SeqNo: | 1052628 | | Units: | mg/Kg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Chloride | ND | 1.5 | | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25270 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 25270 | RunNo: | 34141 | | | | | |
| Prep Date: | 5/11/2016 | Analysis Date: | 5/11/2016 | SeqNo: | 1052629 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.1 | 90 | 110 | | | |

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
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: 1605292

RcptNo: 1

Received by/date:

Logged By:

Ashley Gallegos

5/6/2016 10:35:00 AM

Completed By:

Ashley Gallegos

5/6/2016 11:17:48 AM

Reviewed By:

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 $>0^{\circ}\text{C}$ 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?
(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 $^{\circ}\text{C}$ | 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 #: 575-703-6537

Email or Fax#: csettle@yatespetroleum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Federal AB #3

Project #:

30-015-23643

Project Manager:

Chase Settle

PO # 205 0750

Sampler: Chase Settle

On Ice: ☐ Yes ☒ No

Sample Temperature: 18.5

HEAL No.

11055292

Container Type and #

Preservative Type

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

Date: Time:

5/16 5:20

Date: Time:

5/16 5:20

Relinquished by:

Chase Settle

Relinquished by:

Chase Settle

Received by:

Chase Settle

Received by:

Chase Settle

Date Time

05/16/10 3:35

Date Time

05/16/10 3:35

Remarks: