

MARTIN YATES, III

1912-1985

FRANK W. YATES

1936-1986

S.P. YATES

1914-2008



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

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CHIEF FINANCIAL OFFICER

RECEIVED

MAR 12 2010

NMOCD ARTESIA

March 12, 2010

Mr. Mike Bratcher
NMOCD District II
1301 West Grand
Artesia, NM 88210

Re: Dagger Draw Gas System
Section 24, T19S-R24E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated December 16, 2009. Scope of work described in the plan will be conducted as soon as the work plan is approved, and a contractor can be scheduled.

If you have any questions call me at (575) 748-4217

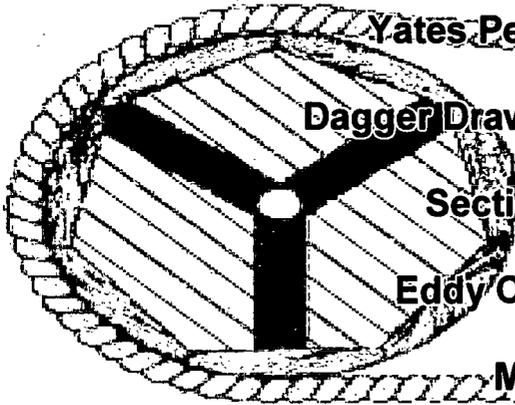
Thank you.

YATES PETROLEUM CORPROATION

Robert Asher
Environmental Regulatory Agent

Enclosure(s)

RECEIVED
MAR 12 2010
NMOCD ARTESIA



Yates Petroleum Corporation

Dagger Draw Gas System Work Plan

Section 24, T19S-R24E

Eddy County, New Mexico

March 12, 2010

I. Location

The well is located approximately 25 miles south-southwest of Artesia, NM 1 mile south of Rockin R Red Road (CR 21), as represented by the attached Parish Ranch, NM, USGS Quadrangle Map.

II. Background

On December 29, 2009, Yates submitted to the NMOCD District II office a Form C-141 for a release of 40 barrels of oil and 10 barrels of produced water with 38 barrels oil and 7 barrels produced water recovered. This release occurred 12/16/2009. The NMOCD was notified of the release (voicemail and e-mail). The total affected area is approximately 615 feet by 65 feet. Initial delineation samples were taken and analyzed at NMOCD approved laboratory. Results and a sample diagram are enclosed.

III. Surface and Ground Water

Area surface geology is Paleozoic. The nearest groundwater of record is listed on the New Mexico Office of the State Engineers web site shows the depth to groundwater is approximately 322 feet (Unit Letter B, Section 26, T19S-R24E) making the site ranking for this site a zero (0). Any watercourses in the area are dry and intermittent, except for infrequent flows in response to major precipitation events.

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

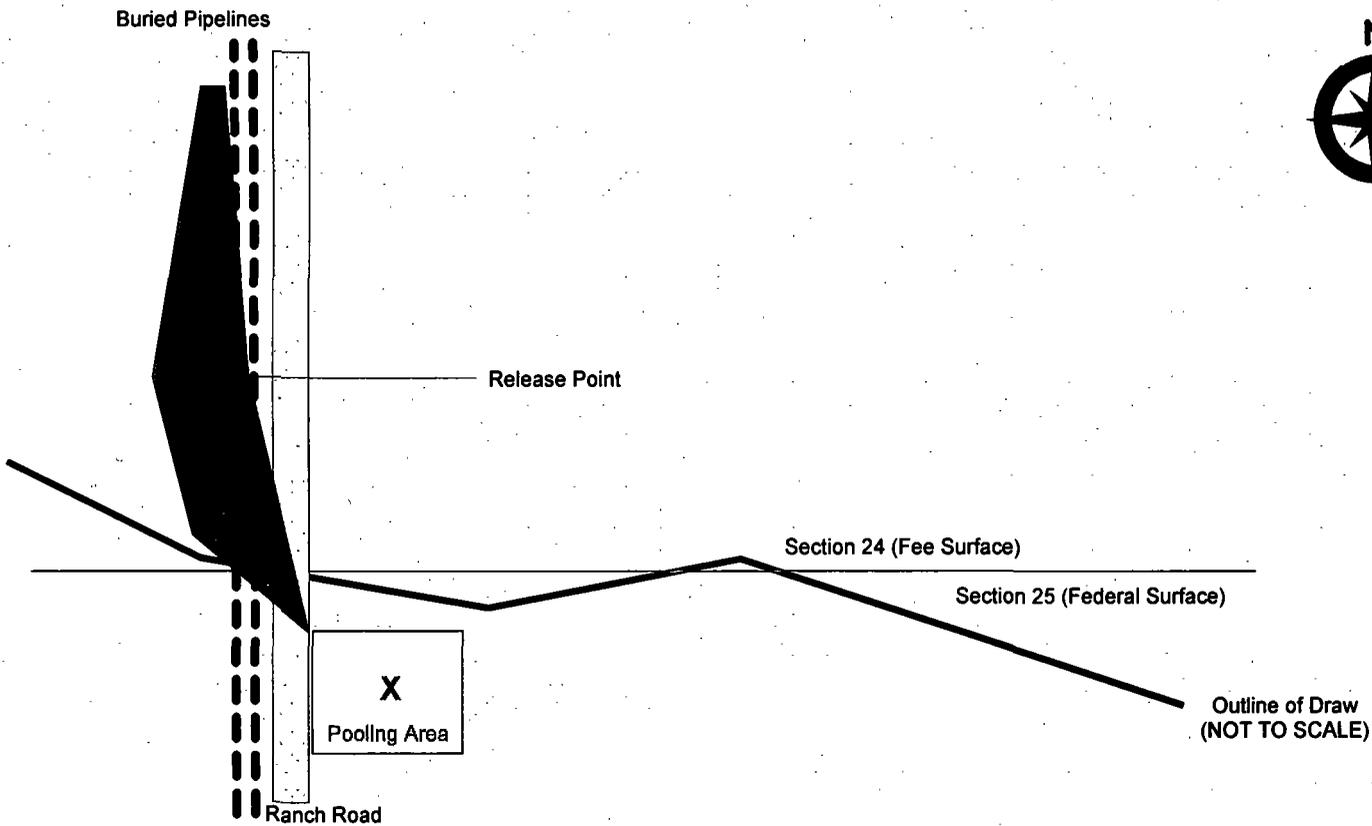
Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

IV. Soils

The area consists of soils that are loamy, interspersed with caliche and clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Yates Petroleum Corporation will address the remedial actions in two (2) phases.
Phase I: The impacted soils that are within draw (Section 25) will be excavated to a depth of 6' and taken to an NMOCD approved facility, during delineation sampling a hardpan layer of material was encountered at the six (6) foot level. Further delineation sampling will be obtained, these samples will be field analyzed for THP, if needed further soils will be excavated, samples will be sent to an NMOCD approved laboratory and analyzed for BTEX and THP. Yates Petroleum Corporation will request a sampling event and then closure of the site (Draw area). Upon final approval the excavated area will be backfilled with clean, like soils (YPC will have the contractor to back drag existing material from the draw area). Phase II: The fee surface owner of Section 24 has requested of Yates to remediate the release area in place to minimize surface disturbance (BTEX/TPH levels are below RRAL's for a site ranking of zero). Yates will have a contractor apply nitrogen fertilizer (10-10-10) at a rate of 10 lbs/1000 sq ft. The fertilizer will be watered and rototilled. This process will be repeated every 30 days for a 90 day period. If needed the area will be re-seeded to the satisfaction of the surface owner.



Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
	North Side	2/2/2010	Grab	1'	39.25	1930	3040	4970	19
	North Side	2/2/2010	Grab	2'	0.3792	85.9	429	514.9	61.4
	North Side	2/2/2010	Grab	3'	0.0014	ND	49.9	49.9	9.34
	South Side	2/2/2010	Grab	1'	0.5842	294	1180	1474	56.1
	South Side	2/2/2010	Grab	2'	0.3072	117	467	584	103
	South Side	2/2/2010	Grab	3'	ND	ND	49.9	49.9	12.3
Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
GS/Comp-001/D	Draw	2/2/2010	Grab	1'	37.40	2050	3700	5750	11.9
GS/Comp-002/D	Draw	2/2/2010	Grab	2'	128.86	5540	6240	11780	56.9
GS/Comp-003/D	Draw	2/2/2010	Grab	3'	88.79	2170	4870	7040	62.1
GS/Comp-004/D	Draw	2/25/2010	Grab	4'	139.30	3220	3190	6410	38.5
GS/Comp-005/D	Draw	2/25/2010	Grab	5'	73.58	2840	3310	6150	48.5
GS/Comp-006/D	Draw	2/25/2010	Grab	6'	113.82	2640	2660	5300	38.2

Site Ranking is Zero (0). Depth to Ground Water > 100' (approx. 322', per New Mexico State Engineer Office).
 All results are ppm. Chloride results are for documentation. BSL - Below Subsurface Level. X - Sample Points



Dagger Draw Gas System

**Section 24, T19S-R24E
 Eddy County, NM**

SAMPLE DIAGRAM (Not to Scale)

**Xenco Report #: 361360 & 363597
 Report Date: 2/10/2010 & 3/10/2010**

**Prepared by Robert Asher
 Environmental Regulatory Agent**

Analytical Report 363597

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Gas System Line

30-015-DDGSL

10-MAR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



10-MAR-10

Project Manager: **Robert Asher**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **363597**
Dagger Draw Gas System Line
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 363597. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 363597 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 363597



Yates Petroleum Corporation, Artesia, NM
Dagger Draw Gas System Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-004/D	S	Feb-25-10 09:30	4 - 4 ft	363597-001
GS/Comp-005/D	S	Feb-25-10 09:40	5 - 5 ft	363597-002
GS/Comp-006/D	S	Feb-25-10 09:50	6 - 6 ft	363597-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Dagger Draw Gas System Line



Project ID: 30-015-DDGSL
Work Order Number: 363597

Report Date: 10-MAR-10
Date Received: 02/26/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-795790 TPH by SW 8015B

None

Batch: LBA-795816 Percent Moisture

AD2216A

Batch 795816, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 363597-003, -001, -002.

Batch: LBA-795830 Inorganic Anions by EPA 300

None

Batch: LBA-796540 BTEX by EPA 8021
SW8021BM

Batch 796540, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 363597-001,363597-002. 363597-003, and 363628-001 D

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 363597-001.



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 2-26-10 9:26
 Lab ID #: 363597
 Initials: AL

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	<u>1.0</u> °C	
#2	Shipping container in good condition?	<u>(Yes)</u>	No		
#3	Custody Seals Intact on shipping container/ cooler?	<u>(Yes)</u>	No	Not Present	
#4	Custody Seals Intact on sample bottles/ container?	<u>(Yes)</u>	No	Not Present	
#5	Chain of Custody present?	<u>(Yes)</u>	No		
#6	Sample Instructions complete of Chain of Custody?	<u>(Yes)</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>(Yes)</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>(Yes)</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>(Yes)</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>(Yes)</u>	No		
#11	Containers supplied by ELOT?	<u>(Yes)</u>	No		
#12	Samples in proper container/ bottle?	<u>(Yes)</u>	No	See Below	
#13	Samples properly preserved?	<u>(Yes)</u>	No	See Below	
#14	Sample bottles intact?	<u>(Yes)</u>	No		
#15	Preservations documented on Chain of Custody?	<u>(Yes)</u>	No		
#16	Containers documented on Chain of Custody?	<u>(Yes)</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>(Yes)</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>(Yes)</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>(Yes)</u>	No	<u>(Not Applicable)</u>	
#20	VOC samples have zero headspace?	<u>(Yes)</u>	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Analytical Report 361360

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Dagger Draw Gas System Line

30-015-DDGSL

10-FEB-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

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Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



10-FEB-10

Project Manager: **Robert Asher**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **361360**
Dagger Draw Gas System Line
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 361360. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 361360 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 361360



Yates Petroleum Corporation, Artesia, NM
Dagger Draw Gas System Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001/N	S	Feb-02-10 09:38	1 - 1 ft	361360-001
GS/Comp-002/N	S	Feb-02-10 10:20	2 - 2 ft	361360-002
GS/Comp-003/N	S	Feb-02-10 10:27	3 - 3 ft	361360-003
GS/Comp-001/S	S	Feb-02-10 10:43	1 - 1 ft	361360-004
GS/Comp-002/S	S	Feb-02-10 11:07	2 - 2 ft	361360-005
GS/Comp-003/S	S	Feb-02-10 11:27	3 - 3 ft	361360-006
GS/Comp-001/D	S	Feb-02-10 10:43	1 - 1 ft	361360-007
GS/Comp-002/D	S	Feb-02-10 11:07	2 - 2 ft	361360-008
GS/Comp-003/D	S	Feb-02-10 11:27	3 - 3 ft	361360-009



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Dagger Draw Gas System Line



Project ID: 30-015-DDGSL
Work Order Number: 361360

Report Date: 10-FEB-10
Date Received: 02/05/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-792878 Percent Moisture

None

Batch: LBA-792886 Percent Moisture

None

Batch: LBA-792890 Inorganic Anions by EPA 300

None

Batch: LBA-792921 BTEX by EPA 8021

None

Batch: LBA-792945 BTEX by EPA 8021

SW8021BM

Batch 792945, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 361360-001 D,361360-004,361360-005,361360-009,361360-008,361360-001,361360-007.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 361360-001 D,361360-004,361360-005,361360-007,361360-009,361360-008,361360-001.

Batch: LBA-793095 TPH by SW 8015B

SW8015B_NM

Batch 793095, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike.

Samples affected are: 361360-003, -004, -006, -001, -002, -005, -009, -008, -007.

The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Dagger Draw Gas System Line



Project ID: 30-015-DDGSL
Work Order Number: 361360

Report Date: 10-FEB-10
Date Received: 02/05/2010

Batch: LBA-793130 BTEX by EPA 8021
SW8021BM

Batch 793130, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 361360-002.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 361360-002.

SW8021BM

Batch 793130, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 361360-002.

The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



Certificate of Analysis Summary 361360

Yates Petroleum Corporation, Artesia, NM

Project Name: Dagger Draw Gas System Line



Project Id: 30-015-DDGSL

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Feb-05-10 04:30 pm

Report Date: 10-FEB-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	Field Id:	Depth:	Matrix:	Sampled:	361360-001	361360-002	361360-003	361360-004	361360-005	361360-006
Anions in Soil By EPA 300.0						GS/Comp-001/N 1-1 ft SOIL Feb-02-10 09:38	GS/Comp-002/N 2-2 ft SOIL Feb-02-10 10:20	GS/Comp-003/N 3-3 ft SOIL Feb-02-10 10:27	GS/Comp-001/S 1-1 ft SOIL Feb-02-10 10:43	GS/Comp-002/S 2-2 ft SOIL Feb-02-10 11:07	GS/Comp-003/S 3-3 ft SOIL Feb-02-10 11:27
	Extracted:	Feb-08-10 09:54	Feb-08-10 09:54	Feb-08-10 09:54	Feb-08-10 09:54	mg/kg RL 19.0 4.54	mg/kg RL 61.4 4.60	mg/kg RL 9.34 4.23	mg/kg RL 56.1 4.47	mg/kg RL 103 9.38	mg/kg RL 12.3 4.29
	Analyzed:	Feb-08-10 09:54	Feb-08-10 09:54	Feb-08-10 09:54	Feb-08-10 09:54						
	Units/RL:	mg/kg RL 0.4394 0.2681	mg/kg RL 0.0054	mg/kg RL 0.0010	mg/kg RL 0.0106						
BTEX by EPA 8021	Extracted:	Feb-08-10 09:00	Feb-09-10 14:00	Feb-08-10 09:00	Feb-08-10 09:00	mg/kg RL 7.642 0.5361	mg/kg RL 0.0184 0.0108	mg/kg RL ND 0.0020	mg/kg RL 0.1668 0.0212	mg/kg RL 0.0209 0.0111	mg/kg RL ND 0.0010
	Analyzed:	Feb-09-10 00:12	Feb-10-10 05:00	Feb-08-10 18:09	Feb-09-10 01:42	mg/kg RL 3.936 0.2681	mg/kg RL 0.0221 0.0054	mg/kg RL ND 0.0010	mg/kg RL 0.0793 0.0106	mg/kg RL 0.0444 0.0056	mg/kg RL ND 0.0010
	Units/RL:	mg/kg RL 18.07 0.5361	mg/kg RL 0.1992 0.0108	mg/kg RL 0.0014 0.0010	mg/kg RL 0.1324 0.0106						
		mg/kg RL 9.165 0.2681	mg/kg RL 0.1395 0.0054	mg/kg RL 0.0014 0.0010	mg/kg RL 0.3381 0.0106						
		mg/kg RL 27.24 0.2681	mg/kg RL 0.3387 0.0054	mg/kg RL 0.0014 0.0010	mg/kg RL 0.5842 0.0106						
		mg/kg RL 39.25 0.2681	mg/kg RL 0.3792 0.0054	mg/kg RL 0.0014 0.0010	mg/kg RL 0.3072 0.0056						
Percent Moisture	Extracted:	Feb-08-10 17:00	Feb-08-10 17:00	Feb-08-10 17:00	Feb-08-10 17:00	% RL 7.48 1.00	% RL 8.70 1.00	% RL ND 1.00	% RL 5.94 1.00	% RL 10.4 1.00	% RL 2.08 1.00
	Analyzed:	Feb-08-10 10:00	Feb-08-10 10:00	Feb-08-10 10:00	Feb-08-10 10:00						
	Units/RL:	mg/kg RL 1930 161	mg/kg RL 85.9 16.4	mg/kg RL ND 15.1	mg/kg RL 294 15.9						
		mg/kg RL 3040 161	mg/kg RL 429 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1180 15.9						
		mg/kg RL 4970 161	mg/kg RL 515 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1474 15.9						
TPH by SW 8015B	Extracted:	Feb-08-10 10:00	Feb-08-10 10:00	Feb-08-10 10:00	Feb-08-10 10:00	mg/kg RL 1930 161	mg/kg RL 85.9 16.4	mg/kg RL ND 15.1	mg/kg RL 294 15.9	mg/kg RL 117 16.7	mg/kg RL ND 15.2
	Analyzed:	Feb-09-10 10:04	Feb-09-10 10:30	Feb-09-10 10:58	Feb-09-10 11:42	mg/kg RL 3040 161	mg/kg RL 429 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1180 15.9	mg/kg RL 467 16.7	mg/kg RL 49.9 15.2
	Units/RL:	mg/kg RL 4970 161	mg/kg RL 515 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1474 15.9						
		mg/kg RL 1930 161	mg/kg RL 85.9 16.4	mg/kg RL ND 15.1	mg/kg RL 294 15.9						
		mg/kg RL 3040 161	mg/kg RL 429 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1180 15.9						
		mg/kg RL 4970 161	mg/kg RL 515 16.4	mg/kg RL 49.9 15.1	mg/kg RL 1474 15.9						

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 361360

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-DDGSL
 Contact: Robert Asher
 Project Location: Eddy County

Date Received in Lab: Fri Feb-05-10 04:30 pm
 Report Date: 10-FEB-10
 Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	Field Id:	Depth:	Matrix:	Sampled:	361360-007	361360-008	361360-009
Anions in Soil By EPA 300.0						GS/Comp-001/D 1-1 ft SOIL Feb-02-10 10:43	GS/Comp-002/D 2-2 ft SOIL Feb-02-10 11:07	GS/Comp-003/D 3-3 ft SOIL Feb-02-10 11:27
	<i>Extracted:</i>					Feb-08-10 09:54	Feb-08-10 09:54	Feb-08-10 09:54
	<i>Analyzed:</i>					mg/kg RL	mg/kg RL	mg/kg RL
	<i>Units/RL:</i>					11.9 4.42	56.9 4.75	62.1 4.87
BTEX by EPA 8021	<i>Extracted:</i>					Feb-08-10 09:00	Feb-08-10 09:00	Feb-08-10 09:00
	<i>Analyzed:</i>					Feb-09-10 03:11	Feb-09-10 07:38	Feb-09-10 05:03
	<i>Units/RL:</i>					mg/kg RL	mg/kg RL	mg/kg RL
Benzene						0.3181 0.2101	1.308 0.2252	0.7641 0.2872
Toluene						9.101 0.4203	29.81 0.4504	18.72 0.5743
Ethylbenzene						5.059 0.2101	12.41 0.2252	8.081 0.2872
m,p-Xylenes						12.68 0.4203	63.05 0.4504	45.24 0.5743
o-Xylene						10.24 0.2101	22.28 0.2252	15.98 0.2872
Xylenes, Total						22.92 0.2101	85.33 0.2252	61.22 0.2872
Total BTEX						37.40 0.2101	128.86 0.2252	88.79 0.2872
Percent Moisture	<i>Extracted:</i>					Feb-08-10 17:00	Feb-08-10 17:00	Feb-08-10 17:00
	<i>Analyzed:</i>					Feb-08-10 17:00	Feb-08-10 17:00	Feb-08-10 17:00
	<i>Units/RL:</i>					% RL	% RL	% RL
Percent Moisture						5.01 1.00	11.5 1.00	13.8 1.00
TPH by SW 8015B	<i>Extracted:</i>					Feb-08-10 10:00	Feb-08-10 10:00	Feb-08-10 10:00
	<i>Analyzed:</i>					Feb-09-10 13:46	Feb-09-10 14:13	Feb-09-10 14:40
	<i>Units/RL:</i>					mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons						2050 157	5540 339	2170 173
C10-C28 Diesel Range Hydrocarbons						3700 157	6240 339	2700 173
Total TPH						5750 157	11780 339	4870 173

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Brent Barron, II
 Odessa Laboratory Manager

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Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
 - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 2-5-10 16:30
 Lab ID #: 361360
 Initials: AL

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	5.1	°C
#2	Shipping container in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Present	
#5	Chain of Custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#11	Containers supplied by ELOT?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#12	Samples in proper container/ bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#13	Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#14	Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#15	Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#16	Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#18	All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#19	Subcontract of sample(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	
#20	VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

-
-
-

- See attached e-mail/ fax
- Client understands and would like to proceed with analysis
- Cooling process had begun shortly after sampling event

