MARTIN YATES, III

FRANK W. YATES

5.P YATES



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES

JOHN A. YATES JR.

JOHN D. PERINI

JOHN D. PERINI
EXECUTIVE V.P. OF MONETIZATION
CHIEF FINANCIAL OFFICER

JAMES 5. BROWN

November 6, 2014

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

Re:

Carl TP Com #1

30-015-26138

Section 22, T20S-R24E Eddy County, New Mexico

Mr. Bratcher/Mrs. 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 August 28, 2014.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of November 24, 2014.

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

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle Environmental Regulatory Agent

Enclosure(s)

Yates Petroleum Corporation

Carl TP Com #1 Work Plan

Section 22, T20S-R24E

Eddy County, New Mexico

November 6, 2014

I. Location

The battery is located 15 miles south of Artesia on US 285, west approximately 8 miles on Rock Daisy Road, then south on Sawbuck Road 5 miles, and approximately 0.15 of a mile northeast on the lease road.

II. Background

On August 28, 2014, Yates submitted to the NMOCD District II office a Form C-141 for the release of an unknown amount with none recovered. The total affected area was approximately 300 feet by 125 feet outside the bermed battery to the east. This release was not promptly reported, so the cause is also unknown. Initial delineation samples were taken at the S1, S2, S3, and S4 sample points in the release area (8/29/2014) and sent to a NMOCD approved laboratory (9/11/2014, results enclosed). Based on analytical results (9/11/2014), Yates determined that further sampling was needed. Additional delineation samples were taken in the release area (10/8/2014) and sent to a NMOCD approved laboratory (10/14/2014, results enclosed). Based on analytical results (10/14/2014), NMOCD determined that further sampling was needed in the S1 and S3 areas. Additional delineation samples were taken from the S1 and S3 release area (10/28/2014) and sent to a NMOCD approved laboratory (11/3/2014, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 22, T20S-R24E) that depth to groundwater is approximately 250 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

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

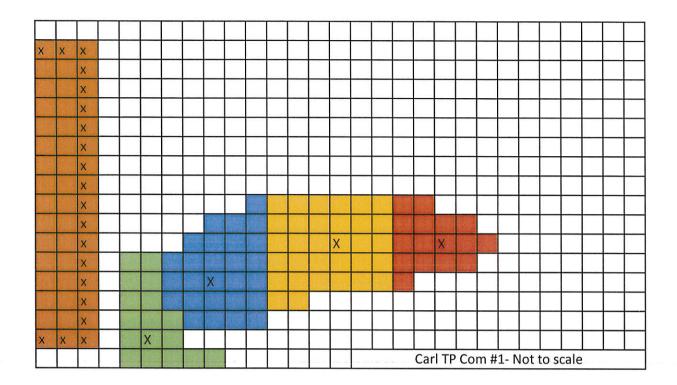
Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

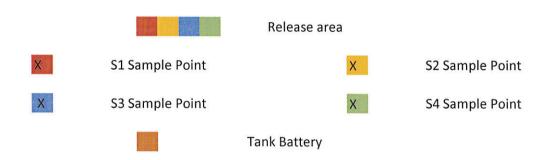
IV. Soils

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

V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (250'), and a decrease in chlorides, Yates Petroleum Corporation will excavate four (4) feet in the release then backfill with two (2) feet of caliche and two (2) feet of like/similar topsoil allowing for repopulation of vegetation which will provide for protection from groundwater contamination. This area does receive rushing flood waters during times of heavy precipitation making the use of a synthetic liner impracticable. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0) in the release area, 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.





Site Ranking is Zero (0). >100' (250', Section 22, T20S-R24E, Trend Map
All results are ppm. Chlorides for documentation
Released: Unknown; Recovered: None Release Date: Unknown, Discovered- 8/19/2014

H402737	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	6720
S1-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	10500
S1-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	7200
S2-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	3240
S2-2 ¹	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	1440
S2-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	288
S3-1'	Release Area	8/29/2014	Backhoe	- 1'	<0.3	<10.0	<10,0	9330
S3-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	10000
S3-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	9600
S4-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	7730
S4-2 ¹	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	8530
S4-3 [']	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	9200
H403104	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	1140
S1-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	944
S1-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	1410
S1-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	2120
S2-4 ¹	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	3280
S2-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	240
S2-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	432
S2-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	544
S3-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	7760
S3-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	6320
S3-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	7280
S3-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	4000
S4-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	1760
S4-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	2160
S4-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	2520
S4-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	848
H403348	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-8'	Release Area	10/28/2014	Backhoe	8'	N/A	N/A	N/A	2440
S1-9'	Release Area	10/28/2014	Backhoe	9'	N/A	N/A	N/A	768
\$1-10'	Release Area	10/28/2014	Backhoe	10'	N/A	N/A	N/A	1150
S1-11'	Release Area	10/28/2014	Backhoe	11'	N/A	N/A	N/A	976
S3-8'	Release Area	10/28/2014	Backhoe	8'	N/A	N/A	N/A	6000
S3-9'	Release Area	10/28/2014	Backhoe	9'	N/A	N/A	N/A	1170
S3-10'	Release Area	10/28/2014	Backhoe	10'	N/A	N/A	N/A	1640
S3-11'	Release Area	10/28/2014	Backhoe	11'	N/A	N/A	N/A	592



September 11, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: CARL TB COM #1

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 10:15.

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

Cardinal Laboratories is accreditated 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.

Celeg D. Keine

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



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

09/04/2014

Sampling Date:

08/29/2014

Reported:

Sampling Type:

Soil

Project Name:

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

09/11/2014

Sampling Condition:

Cool & Intact

Project Number:

CARL TB COM #1 NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

CARL TB COM #1

81.3 %

86.0 %

65.2-140

63.6-154

Sample ID: S1-1' (H402736-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2014	ND	1.70	85.1	2.00	4.89	
Toluene*	<0.050	0.050	09/08/2014	ND	1.56	78.1	2.00	5.39	www.hpeq.faxas
Ethylbenzene*	<0.050	0.050	09/08/2014	ND	1.47	73.5	2.00	5.20	
Total Xylenes*	<0.150	0.150	09/08/2014	ND	4.50	75.0	6.00	6.07	
Total BTEX	<0.300	0.300	09/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	191	95.3	200	1.32	

Cardinal Laboratories *=Accredited Analyte

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YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

o: (505) 748-4635

Received:

09/04/2014

Reported:

09/11/2014

Project Name:

CARL TB COM #1

Project Number: Project Location: NONE GIVEN CARL TB COM #1 Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S1-2' (H402736-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2014	ND	1.70	85.1	2.00	4.89	
Toluene*	<0.050	0.050	09/08/2014	ND	1.56	78.1	2.00	5.39	
Ethylbenzene*	<0.050	0.050	09/08/2014	ND	1.47	73.5	2.00	5.20	
Total Xylenes*	<0.150	0.150	09/08/2014	ND	4.50	75.0	6.00	6.07	
Total BTEX	<0.300	0.300	09/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	
Surrogate: 1-Chlorooctane	76.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.1	% 63.6-15	4						

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*=Accredited Analyte

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YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported:

BTEX 8021B

09/04/2014

09/11/2014

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Project Location:

CARL TB COM #1

mg/kg

Reporting Limit

10.0

63.6-154

Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S1-3' (H402736-03)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 89.4-120	5						
Chloride, SM4500CI-B	mg/l	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/l	kg	Analyze	ed By: ms					

Method Blank

ND

ND

BS

167

191

% Recovery

83.6

95.3

Analyzed

09/06/2014

Analyzed By: MS

DRO >C10-C28	<10.0	10.0	09/06/2014
Surrogate: 1-Chlorooctane	83.8 %	65.2-14	10

Result

<10.0

87.8 %

Cardinal Laboratories

Analyte

Surrogate: 1-Chlorooctadecane

GRO C6-C10

*=Accredited Analyte

RPD

2.35

1.32

Qualifier

True Value QC

200

200

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Celeg & Keene



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 09/04/2014

09/11/2014

CARL TB COM #1

Project Number: Project Location:

Project Name:

NONE GIVEN CARL TB COM #1 Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Qualifier

Sample Received By:

Kathy Perez

Sample ID: S2-1' (H402736-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25

Ethylbenzene* < 0.050 0.050 09/09/2014 ND 1.57 78.4 2.00 8.62 Total Xylenes* < 0.150 0.150 09/09/2014 ND 81.0 4.86 6.00 7.43 Total BTEX < 0.300 0.300 09/09/2014 ND

Surrogate: 4-Bromofluorohenzene (PIL.

105 %

89.4-126

Surroguie. 4-Dromojiuorovenzene (112	105	09.4-12	U						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	

Surrogate: 1-Chlorooctane

79.0 %

65.2-140

Surrogate: 1-Chlorooctadecane

86.4%

63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

09/04/2014

08/29/2014

Reported:

09/11/2014

Sampling Date: Sampling Type:

Soil

Project Name:

CARL TB COM #1 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

CARL TB COM #1

90.9%

63.6-154

Sample Received By:

Kathy Perez

Sample ID: S2-2' (H402736-05)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND -	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyz	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyz	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	
Surrogate: 1-Chlorooctane	82.2	% 65.2-14	0						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

09/04/2014

Reported:

09/11/2014

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Project Location:

CARL TB COM #1

Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S2-3' (H402736-06)

BTEX	8021B	

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	90.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.5	% 63.6-15	4						

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Celeg & Keens



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

Received:

09/04/2014

Reported:

09/11/2014

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Project Location:

CARL TB COM #1

Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S3-1' (H402736-07)

BTEX	8021B
------	-------

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6			710-411-201-1-201			
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	95.5	% 65.2-14	0						TO POPULATION AND ADDRESS OF THE POP
Surrogate: 1-Chlorooctadecane	103	% 63.6-15	4						

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Celsey & Keens -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

09/04/2014

Sampling Date:

08/29/2014

Reported:

Sampling Type:

Soil

09/11/2014

Sampling Condition:

Cool & Intact

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

CARL TB COM #1

Sample ID: S3-2 (H402736-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS		****			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	91.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.9	% 63.6-15	4						

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Colony to treeme -



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

 Received:
 09/04/2014
 Sampling Date:
 08/29/2014

 Reported:
 09/11/2014
 Sampling Type:
 Soil

Project Name: CARL TB COM #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Kathy Perez

Project Location: CARL TB COM #1

Sample ID: S3-3' (H402736-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	99.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	4						

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Calley D. Freens ...



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

09/04/2014

Sampling Date:

08/29/2014

Reported:

09/11/2014

Sampling Type:

Soil

Project Name:

CARL TB COM #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

CARL TB COM #1

Sample ID: S4-1' (H402736-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6			***************************************			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS				*****	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	97.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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

Received:

09/04/2014

Reported:

09/11/2014

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Project Location:

CARL TB COM #1

Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S4-2' (H402736-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6					***************************************	
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	96.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103	% 63.6-15	4						

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Celey to Kreno.



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

Received:

09/04/2014

Reported:

09/11/2014

Project Name: Project Number: CARL TB COM #1 NONE GIVEN

Project Location:

CARL TB COM #1

Sampling Date:

08/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S4-3' (H402736-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	< 0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	09/10/2014	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	
Surrogate: 1-Chlorooctane	94.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	% 63.6-15	4						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg & Keene

Relinquished by:	Relinquished by:	Special		2		د	6	57.		W	v	_	LAB # (lab use only)	ORDER	(lab use only)								6
hed by:	hed by:	Special instructions:		S3-3'	S3-2'	S3-1'	S2-3'	S2-2'	S2-1'	S1-3'	S1-2'	S1-1'	FIELD CODE	ORDER #: +1 40 2730	only)	Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Artesia, I		Company Address: 105 South 4th Street	Compi (505) 393-232f Yates Petroleum Corporation	Project Manager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	G-4-14 Date															1.	4171	Artesia, NM 88210		th 4th Street	troleum Corporatio	ettle	s, NM 88240
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pon	on a on a Clier	ners											Volatiles			Analyze	ď						#
Temperature Upon Receipt:	Custody seals on container(Custody seals on cooler(s) Sample Hand Delivered by SamplerClient Rep.? by Courier? UPS	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:										Semivolatiles			e For	-			Carl		Carl	A
ejpt:	Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by SamplerClient Rep.? by Courier? UPS D	6.5 C.	"_	×	×	×	×	×	×	×	×	×	BTEX 8021B/5030 or BTEX 820	60		ă]		BI i		TB	1
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Page 15 of 16

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	hed by:	hed by:	hed by:	Special Instructions:						\$4-3'	S4-2'	54-1		FIELD CODE	#:	ally)		Sampler Signature:		City/State/Zip: Artesia, NM 88210	Company Address: 105 South 4th Street	Comp: (505) 393-232£ Yates Petroleum Corporation		Project Manager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	1
	Date	Date	9-4-14												_			1	171	Л 88210	4th Street	oleum Corporation		e	IES NM 88240	
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		20];	×	×	×	Standard TAT						-			Pag	je 1	6 of 16	



October 14, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: CARL TP COM #1

Enclosed are the results of analyses for samples received by the laboratory on 10/09/14 13:30.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/09/2014

Reported:

10/14/2014

Project Name: Project Number: CARL TP COM #1 NONE GIVEN

Project Location:

Sampling Date:

10/08/2014

Sampling Type:

Sampling Condition:

** (See Notes) Kathy Perez

Sample Received By:

CARL TP COM #1

Sample ID: S1-4' (H403104-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result 1140 Reporting Limit 16.0

Reporting Limit

Reporting Limit

Analyzed 10/13/2014

Analyzed

BS 432 % Recovery 108

True Value QC 400

RPD 7.69 Qualifier

Sample ID: S1-5' (H403104-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank BS

Chloride

Chloride

Result 944

16.0 10/13/2014

ND

Method Blank

ND

432

% Recovery 108

True Value QC 400

RPD Qualifier

7.69

Sample ID: S1-6' (H403104-03)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

Method Blank

BS

% Recovery True Value QC RPD

Qualifier

Chloride

Chloride

Result 1410

16.0 10/13/2014 ND

432

108

400

7.69

Sample ID: S1-7' (H403104-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result 2120

Reporting Limit 16.0

Analyzed 10/13/2014 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 3.77 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celien D. Freene



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

Received:

10/09/2014

Reported:

10/14/2014

Project Name:

CARL TP COM #1

Project Number: Project Location: NONE GIVEN CARL TP COM #1 Sampling Date:

10/08/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By: Kathy Perez

Sample ID: S2-4' (H403104-05)

Chlorida	SM4500CI-B
Cilibriae,	31143000110

mg/kg

Analyzed By: AP

Analyte Chloride

Result 3280 Reporting Limit 16.0

Reporting Limit

Reporting Limit

16.0

16.0

Analyzed 10/13/2014

Analyzed

Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD

Qualifier

Sample ID: S2-5' (H403104-06)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

3.77

Chloride

Chloride

Chloride

Chloride

Result 240

16.0 10/13/2014 Method Blank ND

BS 432

BS

432

% Recovery 108

True Value QC 400

RPD Qualifier

3.77

Sample ID: S2-6' (H403104-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit 432 16.0

Analyzed 10/13/2014 Method Blank

ND

% Recovery True Value QC RPD

Qualifier

Sample ID: S2-7' (H403104-08)

Chloride, SM4500CI-B

Analyzed By: AP

BS

432

108

400

3.77

Analyte

mg/kg

Result

544

Result

7760

Analyzed

10/13/2014

Method Blank

ND

% Recovery 108

108

True Value QC 400

400

RPD

Qualifier

Sample ID: S3-4' (H403104-09)

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Reporting Limit

Analyzed

10/13/2014

Method Blank ND

BS 432 % Recovery True Value QC RPD

3.77

3.77

Oualifier

Cardinal Laboratories

*=Accredited Analyte

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Calley D. Freene.



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/09/2014

Reported:

10/14/2014

Project Name: Project Number: CARL TP COM #1 NONE GIVEN

Project Location:

CARL TP COM #1

Sampling Date:

10/08/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Kathy Perez

Sample ID: S3-5' (H403104-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	10/13/2014	ND	432	108	400	3.77	
Sample ID: S3 - 6' (H403104-:	11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	10/13/2014	ND	432	108	400	3.77	
Sample ID: S3-7' (H403104-1	2)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/13/2014	ND	432	108	400	3.77	
Sample ID: S4-4' (H403104-1	3)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	10/13/2014	ND	432	108	400	3.77	
Sample ID: S4-5' (H403104-1-	4)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	10/13/2014	ND	432	108	400	3.77	

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Celeg D. Freens -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/09/2014

Reported:

10/14/2014

Project Name: Project Number: CARL TP COM #1

Project Location:

NONE GIVEN CARL TP COM #1 Sampling Date:

10/08/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Kathy Perez

Sample ID: S4-6' (H403104-15)

Chloride,	SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte Result

2520

Reporting Limit 16.0

Analyzed 10/13/2014 Method Blank ND

432

% Recovery 108

True Value QC 400

RPD Qualifier

3.77

Sample ID: S4-7' (H403104-16)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result Reporting Limit 848 16.0 10/13/2014

Analyzed

Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keens



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500CI-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

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Celey & Keene -

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Standard TAT	RUSH TAT (Pre-Schedule) 24	I SAIN	Chlorides SAR	N.O.R.M.	RCI	BTEX 8021B/5030 or BTEX 826	Semivolatiles	Volatiles	Metals: As Ag Ba Cd Cr Pb Hg S	SAR / ESP / CEC	Anions (CI, SO4, Alkalinity)	Cations (Ca, Mg, Na, K)	TPH: TX 1005 TX 1006	TPH: 418.1 8015M 801	NP=Non-Potable Specify Other	GW = Groundwater S=Soil/Solid	DW=Drinking Water SL=Sludge	Other (Specify)	None	Na ₂ S ₂ O ₃	NaOH	H ₂ SO ₄	HCI	HNO ₃	Ice	Total #. of Containers	Field Filtered	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	FIELD CODE	F.	LAB # (lab use only)
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	72 hrs					Ш	Ш		П	TOTAL:	171	1	1	T			1								1							7	only)	(lab use only)
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of 8					Î	i	į į	į	i	ì	ĺ	ţ	Š	í		Č		9	5		3	(6	-247	(505) 393-2326 FAX (505) 393-2476	(505) 393-2326			ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	ARDINAL L	60
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Relinquished by: Date Time Received by ELOT:	Date Date	Special instructions: Relinguished by: Received by:		S4-7'	S4-6'	\$4-5'	\$4-4'	S3-7'	S3-6'	S3-5'	S3-4'	FIELD CODE	ORDER #: # 403103 -	Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Arlesia, NM 88210	Company Address: 105 South 4th Street	Comp: (505) 393-2326 Yates Petroleum Corporation	Project Manager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Time	Time Received	Time)'''			18-4171	, NM 88210	outh 4th Street	Petroleum Cor	Settle	bbs, NM 882
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Received by ELOT:	The same of the sa	Received by:			_							Ending Depth								
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Temperature Upon Receipt:	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered Sampler(Client Rep.?	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? Labels on container(s)										Semivolatiles		ze F			Ca		Ca	
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	one														Z					
0 0	one z z z z z	ZZZ										RUSH TAT (Pre-Schedule) 24,	48, 72 hrs		NPDES					
<u>'</u>	5 V		LT	×	×	×	×	X	×	×	×	Standard TAT	1	waterland	0)	1	2-5-	Pa		4



November 03, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: CARL TP COM #1

Enclosed are the results of analyses for samples received by the laboratory on 10/30/14 11:00.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/30/2014

Reported:

11/03/2014

Project Name: Project Number: CARL TP COM #1 NONE GIVEN

Project Location:

CARL TP COM #1

Sampling Date:

10/28/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S1-8' (H403348-01)

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AP						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	10/31/2014	ND	400	100	400	3.92	
Sample ID: S1-9' (H40334	48-02)								www.tccq.iexa
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/31/2014	ND	400	100	400	3.92	
Sample ID: S1-10' (H403:	348-03)								
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	10/31/2014	ND	400	100	400	3.92	
Sample ID: S1-11' (H403:	348-04)								
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	10/31/2014	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keens -



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/30/2014

Reported:

11/03/2014

Project Name: Project Number:

CARL TP COM #1 NONE GIVEN

Project Location:

CARL TP COM #1

Sampling Date:

10/28/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S3-8' (H403348-05)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	10/31/2014	ND	400	100	400	0.00	
Sample ID: S3-9' (H40334	8-06)								
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/31/2014	ND	400	100	400	0.00	
Sample ID: S3-10' (H4033	48-07)								
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	10/31/2014	ND	400	100	400	0.00	
Sample ID: S3-11' (H4033	48-08)								
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/31/2014	ND	400	100	400	0.00	

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Celega theena



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celley To Keene

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Standard TAT

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