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

JOHN A. YATES

JOHN A. YATES JR.

JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

JORGE S. MENDOZA

AECEIVED

OCT 3 0 2012

NMOCD ARTESIA

October 30, 2012

Mr. Mike Bratcher Oil Conservation Division 811 S. First St. Artesia, NM 88210

RE:

Creek AL Federal #12

30-015-27775

Section 25, T18S-R30E Eddy County, New Mexico

Dear Mr. Bratcher,

Yates Petroleum Corporation would like to submit the enclosed documents for closure of the above captioned well. These documents are being submitted in response to the C-141 Initial report submitted 10/15/12.

The impacted area at this location has been excavated down to a depth within the RRAL's set by the New Mexico Oil Conservation Division. All impacted soil has been hauled for disposal to an OCD approved location. The attached documents include analytical results and a results summary table highlighting the impacted soil removed in red. Sample areas were labeled as S1, S2, and S3 in accordance to the drawing submitted on 10/17/12.

If there are no objections, Yates Petroleum Corporation will submit a C-141 Final for closure and begin backfill of the excavated area.

If you have any questions please feel free to contact me at (575) 748-4350.

Thank You,

Lupe Carrasco

Environmental Regulatory Agent Yates Petroleum Corporation

SECRETARY

KÄTHY H. PORTER

DENNIS G. KINSEY

Creek AL Federal #12

Analytical Report- H202528	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
°S1-1°	10/16/2012	1'	175	3300	10800		1100
S1-2'	10/16/2012	2'	ND	ND	10.6		288
S1-3'	10/16/2012	3'	ND	ND	11.2		464
S1-4'	10/16/2012	4'	ND	ND	ND		352
°S2-10	10/16/2012	1'	11	19.1	125		3120
S2-2'	10/16/2012	2'	ND	ND	ND		2840
\$2-3'	10/16/2012	3'	ND	ND	355		3440
S2-4'	10/16/2012	4'	ND	ND	ND		896
°S3-1°	10/16/2012	1'	139	9550	16100		2400
S3-2'	10/16/2012	2'	54	562	1580		2280
S3-3'	10/16/2012	3'	0.078	ND	ND		2560
S3-4'	10/16/2012	4'	ND	ND	ND		2480

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184', per trend map).

All results are ppm.Chlorides for documentation.

Released: 20 B/O, 15 B/PW, Recovered: 0 B/O, 0 B/PW. Release Date: 8/15/2012

^{*} Cells in red have been excavated and hauled for disposal. Excavated between 12" & 18".



October 22, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CREEK AL FEDERAL #12

Enclosed are the results of analyses for samples received by the laboratory on 10/16/12 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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 Energy Petroleum Corp **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 1 - 1' (H202528-01)

BTEX 8021B	mg	/kg	Analyze	d By: AP			·· <u>··</u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	32.2	5.00	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	80.6	5.00	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	62.2	15.0	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIL	116	% 89.4-12	6						
Chloride, SM4500Cl-B	mg /	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	10/18/2012	ND	400	100	400	0.00	
TPH 8015M	mg,	, /kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3300	200	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	10800	200	10/17/2012	ND	192	96.2	200	6.22	
Surrogate: 1-Chlorooctane	314	% 65.2-14	0		····				
Surrogate. 1-Chlorooctadecane	253	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 1 - 2' (H202528-02)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate. 4-Bromofluorobenzene (PIL	103 9	% 89 4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/18/2012	ND	400	100	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	10.6	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate 1-Chlorooctane	96.8	% 65 2-14	0						
Surrogate: 1-Chlorooctadecane	95 4	% 63.6-15-	4						

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Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/10/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 1 - 3' (H202528-03)

BTEX 8021B	mg/	/kg	Analyze	d By: AP				.,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/18/2012	ND	400	100	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	11.2	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate: 1-Chlorooctane	101 9	% 65.2-14	o						
Surrogate. 1-Chlorooctadecane	98.8	% 63.6-15	4						

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Celeg D. Kerre



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 1 - 4' (H202528-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89 4-12	6				,		
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/18/2012	ND	400	100	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate 1-Chlorooctane	96.1	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	93.0	% 63.6-15	4						

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Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 2 - 1' (H202528-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.058	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	1.90	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	5.22	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	3.92	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIE	203 9	% 89.4-12	6			- W-10 1 C.			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	10/18/2012	ND	400	100	400	0.00	
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	19.1	10.0	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	125	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate: 1-Chlorooctane	99 5	% 65.2-14	0						
Surrogate 1-Chlorooctadecane	97.8	% 63.6-15	4						

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Celey D. Kune



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 2 - 2' (H202528-06)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate. 4-Bromofluorobenzene (PIL	104	% 89 4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	10/18/2012	ND	400	100	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate: 1-Chlorooctane	102	% 65.2-14	0				-		
Surrogate 1-Chlorooctadecane	100	% 63 6-15	4						

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



Yates Energy Petroleum Corp **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 2 - 3' (H202528-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 89 4-12	6			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	10/18/2012	ND	400	100	400	0.00	
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	<50.0	50.0	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	355	50.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate 1-Chlorooctane	90.1	% 65 2-14	0						
Surrogate. 1-Chlorooctadecane	99 7	% 63.6-15-	4						

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 2 - 4' (H202528-08)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	<0.050	0.050	10/17/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/17/2012	ND	6.32	105	6.00	8.68	
Surrogate 4-Bromofluorobenzene (PIL	104 5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					·····
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/18/2012	ND	416	104	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate 1-Chlorooctane	102 9	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	102 9	% 63.6-15	4						

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To: (50

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 3 - 1' (H202528-09)

BTEX 8021B	mg/	'kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.55	5.00	10/18/2012	ND	2.25	112	2.00	3.06	
Toluene*	37.6	5.00	10/18/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	57.6	5.00	10/18/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	36.8	15.0	10/18/2012	ND	6.32	105	6.00	8.68	
Surrogate 4-Bromofluorobenzene (PIL	120 9	% 89 4-12	б						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	10/18/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9550	200	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	16100	200	10/17/2012	ND	192	96.2	200	6.22	
Surrogate: 1-Chlorooctane	259 9	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	232 9	% 63 6-15	4						

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Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location:

NONE GIVEN

EDDY

Jodi Henson

Sample ID: S 3 - 2' (H202528-10)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.69	0.500	10/18/2012	ND	2.25	112	2.00	3.06		
Toluene*	11.4	0.500	10/18/2012	ND	2.14	107	2.00	2.00		
Ethylbenzene*	28.0	0.500	10/18/2012	ND	2.14	107	2.00	1.46		
Total Xylenes*	13.2	1.50	10/18/2012	ND	6.32	105	6.00	8.68		
Surrogate. 4-Bromofluorobenzene (PIL	150 %	6 89.4-12	6	3,0,4	******					
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	10/18/2012	ND	416	104	400	0.00		
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	562	50.0	10/17/2012	ND	193	96.7	200	5.54	•	
DRO >C10-C28	1580	50.0	10/17/2012	ND	192	96.2	200	6.22		
Surrogate. 1-Chlorooctane	128 %	65 2-14	0							
Surrogate: 1-Chlorooctadecane	111 %	63.6-15	4							

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Celey D. Kune



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 3 - 3' (H202528-11)

BTEX 8021B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2012	ND	2.25	112	2.00	3.06	
Toluene*	<0.050	0.050	10/18/2012	ND	2.14	107	2.00	2.00	
Ethylbenzene*	0.078	0.050	10/18/2012	ND	2.14	107	2.00	1.46	
Total Xylenes*	<0.150	0.150	10/18/2012	ND	6.32	105	6.00	8.68	
Surrogate: 4-Bromofluorobenzene (PIL	117 9	% 89 4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	10/18/2012	ND	416	104	400	0.00	
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	10/17/2012	ND	193	96.7	200	5.54	
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	192	96.2	200	6.22	
Surrogate 1-Chlorooctane	96 0	% 65 2-14	0				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	919	% 63 6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Yates Energy Petroleum Corp **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2012

Sampling Date:

10/16/2012

Reported:

10/22/2012

Sampling Type:

Soil

Project Name:

CREEK AL FEDERAL #12

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S 3 - 4' (H202528-12)

BTEX 80218	mg/	kg	Analyze	d By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Benzene*	<0.050	0.050	10/18/2012	ND	2.25	112	2.00	3.06				
Toluene*	<0.050	0.050	10/18/2012	ND	2.14	107	2.00	2.00				
Ethylbenzene*	<0.050	0.050	10/18/2012	ND	2.14	107	2.00	1.46				
Total Xylenes*	<0.150	0.150	10/18/2012	ND	6.32	105	6.00	8.68				
Surrogate. 4-Bromofluorobenzene (PIL	102 %	% 89 4-12¢	6									
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	2480	16.0	10/18/2012	ND	416	104	400	0.00				
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	10/17/2012	ND	193	96.7	200	5.54	5.54			
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	192	96.2	200	6.22				
Surrogate: 1-Chlorooctane	96.9 9	65 2-140)									
Surrogate: 1-Chlorooctadecane	96.3 %	63 6-154	#									

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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

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or

greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance

limits.

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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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL-LABORATORIES 101 East Marland, Hobbs, NM 88240

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

F	^o roject Manager:	Lupe Carrasco															•	Pro	oject	Nan	10:(<u>`</u>	ر س ^{امار} س	<i>j:</i>	<u>, , , , , , , , , , , , , , , , , , , </u>		 سکیمیشد	.,	<u>::-</u>	, ·			لينة	
Compt (505) 393-2326 Yates Petroleum Corporation														Pro	oject	#:				<u></u>			······································		******************	********	apply out;						
(Company Address: 105 South 4th Street												Project Loc:																				
(City/State/Zip:	Artesia, NM 8	8210	•														PO'#: 103-163															
	Telephone No:	575-748-4350	•				Fax No:	Fax No:									Fé	epor	t For	mat	t: X Standard 17RRP								NPDES				
:	Sampler Signature:						e-mail:	-	lca	rra	sco)(i)	yat	esp	etro	oleu		-															
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LAB # (lab use only)		LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Fiejd Filtered	Total #. of Containers		°СОИН				None	pecify)	St=Sludge	GW = Groundwaier S=Soil/Solid Signature Supplied Supplied	.1	TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO¢, Alkalinity)	SAR / ESP / CEC	2	Semivoiatiles	2757 50373/5030 or 975X 8260	RCI	N.O.R.34.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 46	Standard TAT	
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL L'ABORATORIES 101 East Marland, Hobbs, NM 88240

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

	Project Manager:	Lupe Carrasco		·														Pro	ect l	Mam	e:	4 (* j. s.	1-1	<u> </u>				- 4 / 	, Imperoprofiles	ningt in the	تهمر ه م جستنده
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	City/State/Zip:	Artesia, NM 88	3210.		onen Kalak mustaman						4				·				•)3-16								- 	ادرست
	Telephone No:	575-748-4350					· Fax N	lo:									R	eport	For	mat:		Sta	andaı	rd	[.] 1	RRP	,	Ωм	PDES	;
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