

Creek AL Federal #12

Analytical Report: H202526	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
P-16'	10/16/2012	16'	585	11200	24000	35200	2240
P-18'	10/16/2012	18'	821	14400	19600	34000	2960
P-20'	10/16/2012	20'	237	3470	5020	8490	2240
P-22'	10/16/2012	22'	0.5	ND	ND	ND	4560
P-24'	10/16/2012	24'	.7	ND	24.9	24.9	7600

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

All results are ppm. Chlorides for documentation.

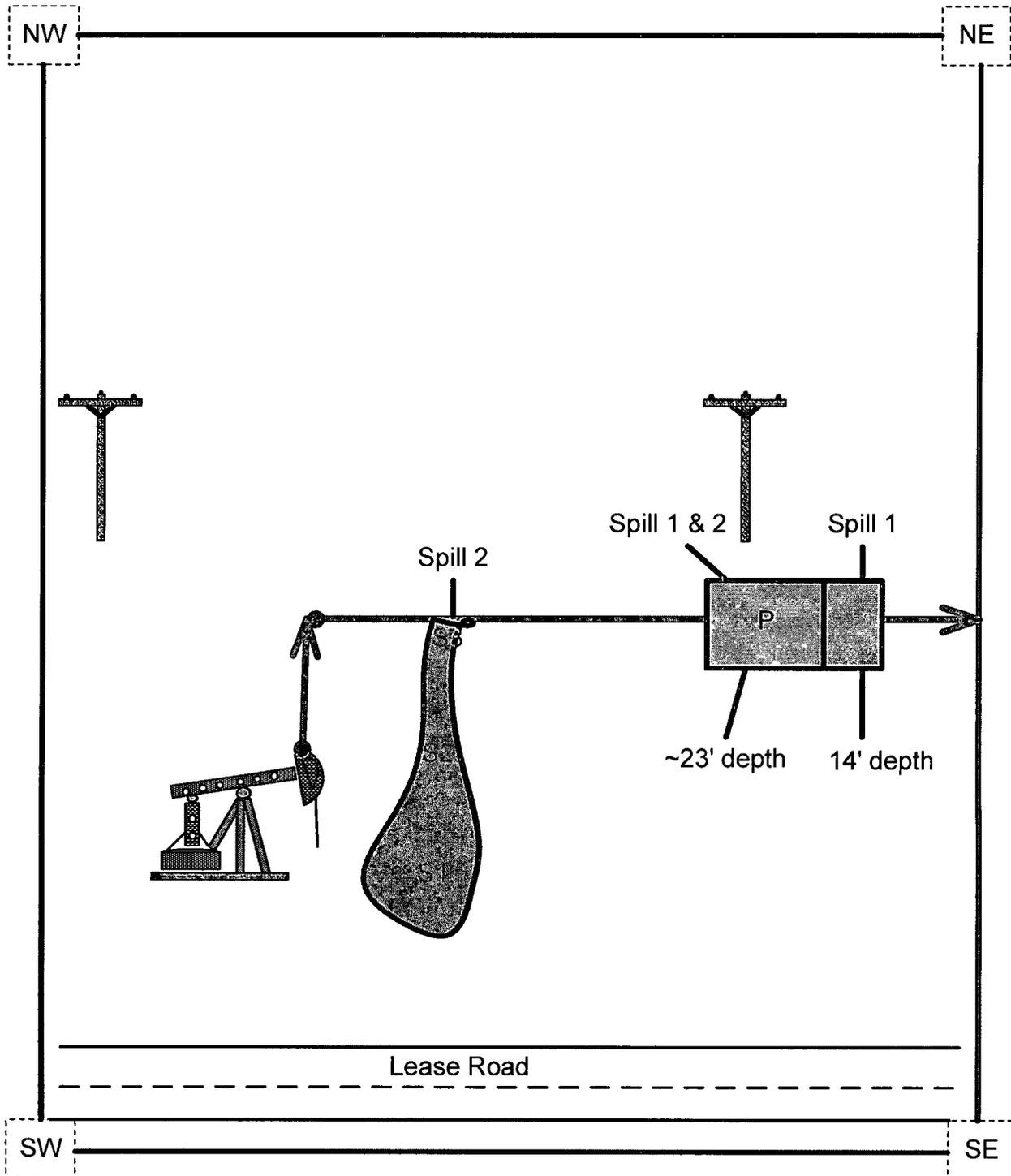
Release Date: 10/10/2012



YATES PETROLEUM CORPORATION

Wednesday, October 17, 2012

Creek AL Federal #12



October 17, 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_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Yates 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:	10/17/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	SPILL 2	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: P-16' (H202526-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	25.4	5.00	10/17/2012	ND	2.09	105	2.00	6.28		
Toluene*	139	5.00	10/17/2012	ND	1.90	95.0	2.00	6.87		
Ethylbenzene*	258	5.00	10/17/2012	ND	1.88	93.9	2.00	7.09		
Total Xylenes*	163	15.0	10/17/2012	ND	5.49	91.4	6.00	7.03		

Surrogate 4-Bromofluorobenzene (PIC) 118 % 89 4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	10/17/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	11200	200	10/16/2012	ND	190	95.2	200	0.948			
DRO >C10-C28	24000	200	10/16/2012	ND	190	95.1	200	9.90			

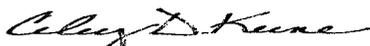
Surrogate 1-Chlorooctane 362 % 65.2-140

Surrogate: 1-Chlorooctadecane 260 % 63 6-154

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Analytical Results For:

 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:	10/17/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	SPILL 2	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: P-18' (H202526-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	91.9	5.00	10/17/2012	ND	2.09	105	2.00	6.28		
Toluene*	236	5.00	10/17/2012	ND	1.90	95.0	2.00	6.87		
Ethylbenzene*	309	5.00	10/17/2012	ND	1.88	93.9	2.00	7.09		
Total Xylenes*	184	15.0	10/17/2012	ND	5.49	91.4	6.00	7.03		

Surrogate: 4-Bromofluorobenzene (PID) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	10/17/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	14400	200	10/16/2012	ND	190	95.2	200	0.948			
DRO >C10-C28	19600	200	10/16/2012	ND	190	95.1	200	9.90			

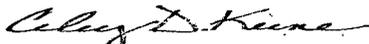
Surrogate 1-Chlorooctane 318 % 65 2-140

Surrogate 1-Chlorooctadecane 230 % 63 6-154

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Received:	10/16/2012	Sampling Date:	10/16/2012
Reported:	10/17/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	SPILL 2	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: P-20' (H202526-03)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	22.2	1.00	10/17/2012	ND	2.09	105	2.00	6.28		
Toluene*	67.2	1.00	10/17/2012	ND	1.90	95.0	2.00	6.87		
Ethylbenzene*	91.0	1.00	10/17/2012	ND	1.88	93.9	2.00	7.09		
Total Xylenes*	56.9	3.00	10/17/2012	ND	5.49	91.4	6.00	7.03		

Surrogate: 4-Bromofluorobenzene (PIL) 128 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	10/17/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3470	50.0	10/16/2012	ND	190	95.2	200	0.948		
DRO >C10-C28	5020	50.0	10/16/2012	ND	190	95.1	200	9.90		

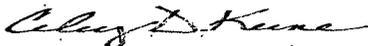
Surrogate 1-Chlorooctane 214 % 65 2-140

Surrogate 1-Chlorooctadecane 146 % 63 6-154

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Received:	10/16/2012	Sampling Date:	10/16/2012
Reported:	10/17/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	SPILL 2	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: P-22' (H202526-04)

BTEX 8021B		mg/kg		Analyzed 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	2.09	105	2.00	6.28		
Toluene*	0.137	0.050	10/17/2012	ND	1.90	95.0	2.00	6.87		
Ethylbenzene*	0.168	0.050	10/17/2012	ND	1.88	93.9	2.00	7.09		
Total Xylenes*	0.164	0.150	10/17/2012	ND	5.49	91.4	6.00	7.03		

Surrogate 4-Bromofluorobenzene (PI) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	10/17/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/17/2012	ND	190	95.2	200	0.948		
DRO >C10-C28	<10.0	10.0	10/17/2012	ND	190	95.1	200	9.90		

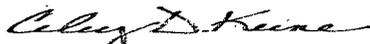
Surrogate: 1-Chlorooctane 89.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.3 % 63.6-154

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Received:	10/16/2012	Sampling Date:	10/16/2012
Reported:	10/17/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	SPILL 2	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: P-24' (H202526-05)

BTEX 8021B		mg/kg		Analyzed 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	2.09	105	2.00	6.28		
Toluene*	0.115	0.050	10/17/2012	ND	1.90	95.0	2.00	6.87		
Ethylbenzene*	0.304	0.050	10/17/2012	ND	1.88	93.9	2.00	7.09		
Total Xylenes*	0.254	0.150	10/17/2012	ND	5.49	91.4	6.00	7.03		

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	10/17/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/17/2012	ND	190	95.2	200	0.948		
DRO >C10-C28	24.9	10.0	10/17/2012	ND	190	95.1	200	9.90		

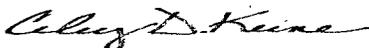
Surrogate: 1-Chlorooctane 88.6 % 65.2-140

Surrogate 1-Chlorooctadecane 88.9 % 63.6-154

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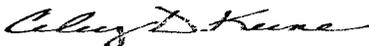
Notes and Definitions

- 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.
- 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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