

Analytical Report- H202544 H202664	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
"S1 3'	10/17/2012	3'	.24	ND	ND	ND	13200
"S1 5'	10/17/2012	5'	ND	ND	ND	ND	9800
"S1 7'	10/17/2012	7'	ND	ND	ND	ND	6500

"S2 3'	10/17/2012	3'	116.78	778	263	1041	6800
"S2 5'	10/17/2012	5'	ND	ND	ND	ND	2240
"S2 7'	10/17/2012	7'	ND	ND	ND	ND	6400

S3 3'	10/31/2012	3'	.236	ND	ND	ND	2080
S3 5'	10/31/2012	5'	ND	ND	ND	ND	6640
S3 7'	10/31/2012	7'	.050	ND	ND	ND	5760

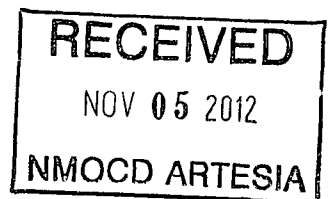
S4 3'	10/31/2012	3'	ND	ND	2450	2450	192
S4 5'	10/31/2012	5'	ND	ND	ND	ND	112
S4 7'	10/31/2012	7'	ND	ND	ND	ND	144

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 72', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 450 B/PW; Recovered: 400 B/PW. Release Date: 9/22/2012

\* Removed and Hauled



November 02, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 14:53.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

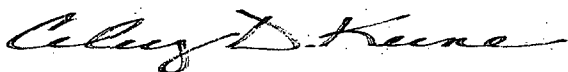
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S3 3' (H202664-01)**

BTX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.083	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9		
Toluene*	0.153	0.050	11/02/2012	ND	2.09	104	2.00	18.6		
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8		
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7		
Total BTX	<0.300	0.300	11/02/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>Chloride</b>	<b>2080</b>	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44			
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46			

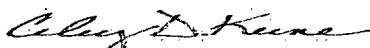
Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S3 5' (H202664-02)**

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	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

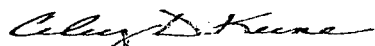
Surrogate: 1-Chlorooctane 88.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.1 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S3 7' (H202664-03)**

BTEx 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.050</b>	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEx	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5760</b>	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

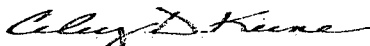
Surrogate: 1-Chlorooctane 81.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.1 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S4 3' (H202664-04)**

BTX 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	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2012	ND	416	104	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	<50.0	50.0	11/02/2012	ND	192	95.8	200	2.44		
DRO >C10-C28	2450	50.0	11/02/2012	ND	200	100	200	4.46		

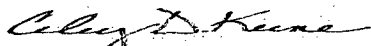
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 164 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S4 5' (H202664-05)**

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	11/02/2012	ND	1.91	95.6	2.00	19.9		
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6		
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8		
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7		
Total BTEX	<0.300	0.300	11/02/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	112	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44			
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46			

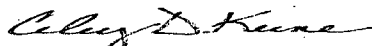
Surrogate: 1-Chlorooctane 93.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/01/2012  
 Reported: 11/02/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S4 7' (H202664-06)**

BTX 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	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

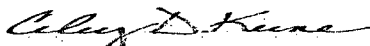
Surrogate: 1-Chlorooctane 88.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

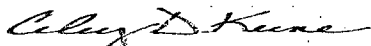
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	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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Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <b>YPC</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																											
Project Manager: <b>Jeremy Haass</b>				P.O. #: <b>103-2636</b>				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																											
Address:				Company: <b>YPC</b>																															
City: <b>Artesia</b> State: <b>NM</b> Zip: <b>88240</b>				Attn: <b>Jeremy Haass</b>																															
Phone #: Fax #:				Address:																															
Project #: Project Owner: <b>Jeremy Haass</b>				City: <b>Artesia</b>																															
Project Name: <b>Nix 'GP' Battery</b>				State: <b>NM</b> Zip: <b>88240</b>																															
Project Location: <b>E22Y</b>				Phone #:																															
Sampler Name: <b>Jeremy Haass</b>				Fax #:																															
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																							
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																				
	<b>12022664</b>																																		
	<b>1</b>	<b>S3 3'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	
	<b>2</b>	<b>S3 5'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	
	<b>3</b>	<b>S3 7'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	
	<b>4</b>	<b>S4 3'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	
	<b>5</b>	<b>S4 5'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	
	<b>6</b>	<b>S4 7'</b>		<b>1</b>			<b>X</b>				<b>X</b>			<b>10/31</b>			<b>X</b>	<b>X</b>																	

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Relinquished By: <b>Jeremy Haass</b>	Date: <b>11/1</b> Time: <b>2:53</b>	Received By: <b>Jodi Benson</b>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
			REMARKS: <b>Rush</b>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>32</b>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

October 24, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/18/12 12:12.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

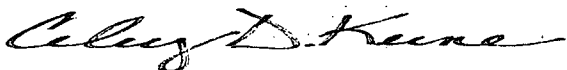
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S1 3' (H202544-01)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.150</b>	0.050	10/23/2012	ND	1.98	99.0	2.00	2.23	
<b>Toluene*</b>	<b>0.090</b>	0.050	10/23/2012	ND	2.15	108	2.00	2.85	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	2.16	108	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	6.54	109	6.00	2.75	

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13200</b>	16.0	10/19/2012	ND	416	104	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	<50.0	50.0	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<50.0	50.0	10/19/2012	ND	159	79.4	200	9.04	

Surrogate: 1-Chlorooctane 75.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S1 5' (H202544-02)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	10/19/2012	ND	416	104	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	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/19/2012	ND	159	79.4	200	9.04	

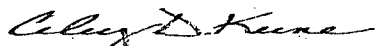
Surrogate: 1-Chlorooctane 76.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S1 7' (H202544-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6500	16.0	10/19/2012	ND	416	104	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	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/19/2012	ND	159	79.4	200	9.04	

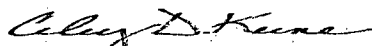
Surrogate: 1-Chlorooctane 74.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.1 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S2 3' (H202544-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>10.3</b>	1.00	10/24/2012	ND	1.76	88.1	2.00	0.795	
<b>Toluene*</b>	<b>53.3</b>	1.00	10/24/2012	ND	1.93	96.6	2.00	1.35	
<b>Ethylbenzene*</b>	<b>9.98</b>	1.00	10/24/2012	ND	1.93	96.7	2.00	1.60	
<b>Total Xylenes*</b>	<b>43.2</b>	3.00	10/24/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6800</b>	16.0	10/19/2012	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>778</b>	50.0	10/20/2012	ND	166	83.2	200	5.81	
<b>DRO &gt;C10-C28</b>	<b>263</b>	50.0	10/20/2012	ND	159	79.4	200	9.04	

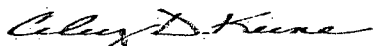
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S2 5' (H202544-05)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	10/19/2012	ND	416	104	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	10/20/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/20/2012	ND	159	79.4	200	9.04	

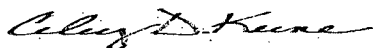
Surrogate: 1-Chlorooctane 79.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.4 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 Yates Energy Petroleum Corp  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/18/2012  
 Reported: 10/24/2012  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: EDDY

 Sampling Date: 10/17/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S2 7' (H202544-06)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	10/19/2012	ND	416	104	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	10/20/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/20/2012	ND	159	79.4	200	9.04	

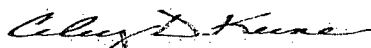
Surrogate: 1-Chlorooctane 77.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.4 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**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

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Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: YPC		BILL TO		ANALYSIS REQUEST																								
Project Manager: Jeremy Haass		P.O. #: 103-2636																										
Address:		Company: YPC																										
City: Artesia State: NM Zip: 88240		Attn: Jeremy Haass																										
Phone #: Fax #:		Address:																										
Project #: Project Owner: Jeremy Haass		City:																										
Project Name: Nix GP Battery		State: Zip:																										
Project Location: Eddy		Phone #:																										
Sampler Name: Jeremy Haass		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GIRAB OR C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME													
	H202544																											
	01	S1 3'					X				X			10/17			TPH + BTEX Chloride X											
	02	S1 5'					X				X			10/17														
	03	S1 7'					X				X			10/17														
	04	S2 3'					X				X			10/17														
	05	S2 5'					X				X			10/17														
	06	S2 7'					X				X			10/17														

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Relinquished By:	Date: 10/18 Time: 12:12	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: _____ Time: _____	Received By: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 2°C			Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			CHECKED BY: (Initials) COK

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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