



ANALYTICAL RESULTS FOR  
 YATES PETROLEUM CORPORATION  
 ATTN: MIKE STUBBLEFIELD  
 105 SOUTH 4<sup>TH</sup> STREET  
 ARTESIA, NM 88210  
 FAX TO: (575) 748-4635

Receiving Date: 11/19/07

Reporting Date: 11/21/07

Project Number: NOT GIVEN

Project Name: CREEK AL FEDERAL #12 *36-015-27775*

Project Location: UT. E 25-18S-30E

Sampling Date: 11/13/07

Sample Type: SOIL

Sample Condition: INTACT

Sample Received By: SB

Analyzed By: AB

LAB NUME SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	11/19/07	11/19/07	11/19/07	11/19/07
H13745-1 1. EXCAVATED AREA BOTTOM 12' DEPTH	<0.005	<0.005	<0.005	<0.015
H13745-2 2. EXCAVATED AREA NORTHSIDE WALL	<0.001	0.002	0.008	0.005
H13745-3 3. EXCAVATED AREA WESTSIDE WALL	<0.001	<0.001	0.004	<0.003
H13745-4 4. EXCAVATED AREA SOUTHSIDE WALL	<0.005	<0.005	<0.005	<0.015
H13745-5 5. EXCAVATED AREA EASTSIDE WALL	<0.001	<0.001	<0.001	<0.003
H13745-6 6. STOCKPILED SOIL	<0.005	<0.005	0.074	0.039
Quality Control	0.112	0.101	0.101	0.315
True Value QC	0.100	0.100	0.100	0.300
% Recovery	102	101	101	105
Relative Percent Difference	2.6	4.2	1.6	2.6

METHOD: EPA SW-846 8021B

*Cathy S. Keene*  
 \_\_\_\_\_  
 Chemist

*11/26/07*  
 \_\_\_\_\_  
 Date

H13745B YATES

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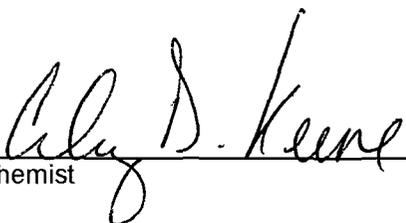
Receiving Date: 11/19/07  
Reporting Date: 11/21/07  
Project Number: NOT GIVEN  
Project Name: CREEK AL FEDERAL #12  
Project Location: UT. E 25-18S-30E

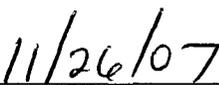
Sampling Date: 11/13/07  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>12</sub> ) (mg/kg)	DRO (>C <sub>12</sub> -C <sub>28</sub> ) (mg/kg)
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ANALYSIS DATE		11/20/07	11/20/07
H13745-1	1 EXCAVATED AREA BOTTOM 12' DEPTH	14.0	720
H13745-2	2 EXCAVATED AREA NORTHSIDE WALL	<10.0	<10.0
H13745-3	3 EXCAVATED AREA WESTSIDE WALL	<10.0	<10.0
H13745-4	4 EXCAVATED AREA SOUTHSIDE WALL	<10.0	407
H13745-5	5 EXCAVATED AREA EASTSIDE WALL	<10.0	38.9
H13745-6	6. STOCKPILED SOIL	24.2	1490
Quality Control		459	393
True Value QC		500	500
% Recovery		91.8	78.6
Relative Percent Difference		10.6	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

  
Chemist

  
Date

H13745T YATES





# ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Valco Petroleum Corporation</u>	<b>BILL TO</b>	<b>ANALYSIS REQUEST</b>
Project Manager: <u>Mike Stubblefield</u>	P.O. #:	
Address: <u>105 South 4th Street</u>	Company: <u>Valco Petro Corp.</u>	
City: <u>Artesia</u> State: <u>N.M.</u> Zip: <u>88210</u>	Attn: <u>Mike Stubblefield</u>	
Phone #: <u>505-513-1912</u> Fax #: <u>505-748-4335</u>	Address: <u>105 South 4th Street</u>	
Project #: Project Owner: <u>Mike Stubblefield</u>	City: <u>Artesia</u>	
Project Name: <u>Creek AL Federal #12</u>	State: <u>N.M.</u> Zip: <u>88210</u>	
Project Location: <u>vt. E 25-185-300</u>	Phone #: <u>505-748-4500</u>	
Sampler Name: <u>Mike Stubblefield</u>	Fax #: <u>505-748-4635</u>	

Lab I.D.	Sample I.D.	(GRAB OR COMPO.) # CONTAINERS	MATRIX						PRESERV.		SAMPLING		Chloride
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	
<u>1413745-1</u>	<u>1 Excavated area Bottom 12' depth</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:00 PM</u>	<input checked="" type="checkbox"/>
<u>-2</u>	<u>2 Excavated Area Northside wall.</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:10 PM</u>	<input checked="" type="checkbox"/>
<u>-3</u>	<u>3 Excavated area Westside wall.</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:20 PM</u>	<input checked="" type="checkbox"/>
<u>-4</u>	<u>4 Excavated Area Southside wall.</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:30 PM</u>	<input checked="" type="checkbox"/>
<u>-5</u>	<u>5 Excavated area Eastside wall.</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:40 PM</u>	<input checked="" type="checkbox"/>
<u>-6</u>	<u>6. Spoiled soil.</u>	<u>C</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>11/13/2007</u>	<u>2:50 PM.</u>	<input checked="" type="checkbox"/>

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Terms and Conditions: Interest will be charged on all payments more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: <u>11/16/2007</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Mike Stubblefield</u>	Time: <u>11:30 am</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By:	Date: <u>11/16/2007</u>	Received By: (Lab Staff)	REMARKS:
<u>Mike Stubblefield</u>	Time: <u>11:30 am.</u>	<u>See Barnes 11/19/07 1:35 pm</u>	
Delivered By: (Circle One)	Sample Condition/Temp. °C	Intact?	Checked By: (Initials)
Sampler - UPS - <input checked="" type="radio"/> Bus - Other:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>SB</u>

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: <u>Vates Petroleum Corporation</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <u>Mike Stubblefield</u>		P.O. #:			
Address: <u>105 South 4th Street</u>		Company: <u>Vates Petco Corp.</u>			
City: <u>Atesia</u>	State: <u>N.M.</u> Zip: <u>88210</u>	Attn: <u>Mike Stubblefield</u>			
Phone #: <u>505-513-1912</u>	Fax #: <u>505-748-4335</u>	Address: <u>105 South 4th Street</u>			
Project #:	Project Owner: <u>Mike Stubblefield</u>	City: <u>Atesia</u>			
Project Name: <u>Creek AL Federal #12</u>		State: <u>N.M.</u> Zip: <u>88210</u>			
Project Location: <u>US. E 25-18-30c</u>		Phone #: <u>505-748-4500</u>			
Sampler Name: <u>Mike Stubblefield</u>		Fax #: <u>505-748-4635</u>			

Lab I.D.	Sample I.J.	FOR LAB USE ONLY	(GRAB OR C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		TPH	B-TX	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE			TIME
<u>H13745-1</u>	<u>1. Excavated Area Bottom 12' depth.</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:00 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>-2</u>	<u>2. Excavated Area North side wall.</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:10 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>-3</u>	<u>3. Excavated Area West side wall.</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:20 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>-4</u>	<u>4. Excavated Area south side wall.</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:30 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>-5</u>	<u>5. Excavated Area East side wall.</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:40 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>-6</u>	<u>6. Stock piled soil</u>		<u>C</u>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<u>11/13/2007</u>	<u>2:50 PM</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

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Sampler Relinquished By: <u>Mike Stubblefield</u>	Date: <u>11/16/2007</u> Time: <u>11:30 am</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By: <u>Mike Stubblefield</u>	Date: <u>11/16/2007</u> Time: <u>11:30 am</u>	Received By: (Lab Staff) <u>Sue Barnes 11/19/07 1:35 pm</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
Delivered By: (Circle One) Sampler - UPS - <input checked="" type="radio"/> Bus - Other:	Sample Condition/ Temp. °C	Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	By: (In/Date) <u>SB</u>

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