

# ASK Laboratories, Inc.

Analytical Services Kwik!

ASK LABORATORIES, INC.  
5935 GLENOAK LANE  
AMARILLO, TEXAS 79109

Attn: CUSTOMER SERVICES  
Phone: (806) 353-4425

WHITE BUFFALO ENVIRO. SERVICE  
5425 BEN FICKLIN ROAD  
SAN ANGELO, TX 76904

Attn: GREG SWINDLE

Order #: 06-04-036  
Date: 04/20/06 15:37  
Work ID: SCB 23 #4 S1-S3  
Date Received: 04/14/06  
Date Completed: 04/20/06


Purchase Order: RANGE OPERATING, LOVING NM  
Invoice Number:

Client Code: WHITE\_BUFF

## SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>
01	SCB 23 #4 S1
02	SCB 23 #4 S2

<u>Sample Number</u>	<u>Sample Description</u>
03	SCB 23 #4 S3

  
\_\_\_\_\_  
Certified By  
ALAN D. KING

5935 Glenoak Lane  
Amarillo, Texas 79109  
Telephone (806) 353-4425  
Toll Free 1-800-423-9443  
Facsimile (806) 352-6454

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## Analytical Services Kwik!

Order # 06-04-036  
04/20/06 15:37

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### TEST RESULTS BY SAMPLE

Sample: 01A SCB 23 #4 S1

Collected: 04/13/06 09:00

<u>Test Description</u>	<u>Result</u>	<u>SQL</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
PERCENT SOLIDS - DRY WT.	97.76		wt % solids	04/17/06	BJP
CHLORIDE ON SOLIDS	1790	100	mg/kg	04/18/06	BNH
Total Pet. Hydrocarbons					
TPH C6-C12 - GRO	57.4	32.6	mg/kg	04/19/06	BNH
TPH C12-C28 - DRO	5550	32.6	mg/kg	04/19/06	BNH
TPH C28-C35	1720	32.6	mg/kg	04/19/06	BNH
BTEX					
BENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
TOLUENE	<0.021	0.021	mg/kg	04/17/06	KDJ
ETHYLBENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
XYLENE	<0.021	0.021	mg/kg	04/17/06	KDJ
Surrogates					
BROMOFLUOROBENZENE	96	Min: 80		Max: 120	

Sample: 02A SCB 23 #4 S2

Collected: 04/13/06 09:00

<u>Test Description</u>	<u>Result</u>	<u>SQL</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
PERCENT SOLIDS - DRY WT.	96.50		wt % solids	04/17/06	BJP
CHLORIDE ON SOLIDS	1920	100	mg/kg	04/18/06	BNH
Total Pet. Hydrocarbons					
TPH C6-C12 - GRO	333	32.0	mg/kg	04/19/06	BNH
TPH C12-C28 - DRO	7350	32.0	mg/kg	04/19/06	BNH
TPH C28-C35	1910	32.0	mg/kg	04/19/06	BNH
BTEX					
BENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
TOLUENE	<0.021	0.021	mg/kg	04/17/06	KDJ
ETHYLBENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
XYLENE	0.025	0.021	mg/kg	04/17/06	KDJ
Surrogates					
BROMOFLUOROBENZENE	99	Min: 80		Max: 120	

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## TEST RESULTS BY SAMPLE

Sample: 03A SCB 23 #4 S3

Collected: 04/13/06 09:00

Test Description	Result	SQL	Units	Analyzed	By
PERCENT SOLIDS - DRY WT.	96.85		wt % solids	04/17/06	BJP
CHLORIDE ON SOLIDS	2280	100	mg/kg	04/18/06	BNH
Total Pet. Hydrocarbons					
TPH C6-C12 - GRO	206	32.0	mg/kg	04/19/06	BNH
TPH C12-C28 - DRO	6820	32.0	mg/kg	04/19/06	BNH
TPH C28-C35	1690	32.0	mg/kg	04/19/06	BNH
BTEX					
BENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
TOLUENE	<0.021	0.021	mg/kg	04/17/06	KDJ
ETHYLBENZENE	<0.021	0.021	mg/kg	04/17/06	KDJ
XYLENE	<0.021	0.021	mg/kg	04/17/06	KDJ
Surrogates					
BROMOFLUOROBENZENE	98	Min: 80		Max: 120	

## QA/QC INFORMATION

	LCS	MS	MSD	RPD	BLANK
MTBE	91%	93%	103%	10.7%	bdl
BENZENE	97%	93%	93%	0.3%	bdl
TOLUENE	89%	86%	85%	1.5%	bdl
ETHYLBENZENE	92%	89%	89%	0.9%	bdl
o-XYLENE	93%	88%	88%	0.8%	bdl
m,p-XYLENES	89%	91%	90%	1.2%	bdl
METHOD 8015	LCS	MS	MSD	RPD	BLANK
TPH	84%	86%	92%	5.4%	bdl
COMPOUND	RPD	SPIKE RECOVERY	QC RECOVERY	BLANK	
CHLORIDE	0.3%	91%	95%	bdl	

bdl = below detectable levels

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## TEST METHODOLOGIES

TEST CODE : SOLIDS

TEST NAME : PERCENT SOLIDS FOR DRY WT CORRECTIONS

REFERENCE CLP PROTOCOL/ SECTION IV/ PART F

TEST CODE : 8015N

TEST NAME : TRPH-8015M (GRO, DRO, C28-35)

METHOD 8015M GCFID GAS CHROMATOGRAPHY WITH FLAME-  
IONIZATION DETECTOR. SW-846 TEST METHODS FOR  
EVALUATING SOLID WASTES.

TEST CODE : BTEX

TEST NAME : BTEX

METHOD 8260 GC/MS GAS CHROMATOGRAPHY WITH MASS-  
SELECTIVE DETECTOR. SW-846 TEST METHODS FOR  
EVALUATING SOLID WASTES.

TEST CODE : CL\_SOL

TEST NAME : CHLORIDE ON SOLID

METHOD 300.0 : ION CHROMATOGRAPHY  
METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES,

METHOD 9056 ION CHROMATOGRAPHY  
SW-846 TEST METHODS FOR EVALUATING SOLID WASTES.

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# Chain of Custody Record

Work Order No. \_\_\_\_\_  
Client Name White Buffalo Environmental  
Project I.D./Location Ranger Operating, Loving, NM  
Address 5425 Ben Picklin Rd San Angelo, TX 76901  
Telephone (325) 651-9054  
Sampled By Bonnie Taylor

Please note: Liability and Damages. ASK Laboratories liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and other cause whatsoever shall be deemed waived unless made in writing and received by ASK Laboratories within thirty days of the applicable service. In no event shall ASK Laboratories be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by the client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services rendered by ASK Laboratories, regardless of whether such claims is based upon any of the preceding stated reasons or otherwise.

Sample #	Date	Time	Matrix	Composite	Grab	Sample Description	No. of Containers	Analysis Required		Remarks
								STEX	CLARITE	
01	4-13-06	9:00a	Soil		X	SCB 23 #4 S1	1	X	X	glass
02	↓	↓	↓		X	SCB 23 #4 S2	1	X	X	↓
03	↓	↓	↓		X	SCB 23 #4 S3	1	X	X	
04										
05										
06										
07										
08										
09										
10										

Relinquished by: (Signature)	Date	Time	Received by: (Signature)
<u>Bonnie Taylor</u>	4-13-06	10:30 p	<u>BUS</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
<u>BUS</u>	4-14	07:50	<u>ASK</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Client Agrees to:	
Accept Returned Sample	
Pay for sample Disposal (\$30 per 100 grams)	
Client's Signature	

Remarks:	Yes	No	If Yes, Amt.	If No, Explain	If No, Temp.	Comments
Headspace	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Property Sealed	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Chilled to 40° F	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Tamper Seal	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Type of Container						
Additional Comments:						

# Login Checklist

Order # 0604036

Shipping Method: BUS

Date/Time of Receipt: 4-14 0705

## Cooler Check

Shipping Container	Ice in Cooler			Custody Seal				Tracking Number
			If No,	Present?		Intact?		
	Yes	No	Temperature	Yes	No	Yes	No	
Core	X				X			

Note: If the temperature of a cooler/sample is above 6°C fill out NCR.

## Custody Seals on Bottles Present:

Yes \_\_\_\_\_ No X

If Yes, is it intact?

Yes \_\_\_\_\_ No \_\_\_\_\_

If Not intact, fill out NCR

## Condition of Containers:

Loose Caps:

Yes \_\_\_\_\_ No X

If Yes, fill out NCR

Broken Containers:

Yes \_\_\_\_\_ No X

If Yes, fill out NCR

## Chain of Custody Included:

Yes X No \_\_\_\_\_

If Yes, verify receipt of all containers listed and all required fields are complete. Sign and Date COC and fill out laboratory boxes. Document any discrepancies on NCR.

## Acid Preserved Samples: pH<=2

Yes \_\_\_\_\_ No N/A

If No, fill out NCR

## Base Preserved Samples: pH>=12

Yes \_\_\_\_\_ No Valid

If No, fill out NCR

Coolers Unpacked/Checked by: ADK

Date: 4-14

NCRs (y/n): ✓

Faxed Confirmation (y/n): \_\_\_\_\_

Site Photographs  
SCB 23-4  
4-13-2006

