1R-428-57

REPORTS

DATE

2-12-07

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 12, 2007

Wayne Price Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

RF:

2006 Annual Ground Water Monitoring Report B-32 Boot, Sec 32, T18S, R38E, Unit "B"

NMOCD Case #: Pending

1R428-57

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the B-32 Boot site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

- 1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
- 2. Graphs showing chemical concentration vs. time for chloride and TDS.
- 3. Laboratory data sheets associated with the routine sampling for 2006.

The Correction Action Plan was submitted to NMOCD on January 22, 2007. The CAP is pending NMOCD approval.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of the annual report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,

R.T. Hicks Consultants, Ltd.

Randall T. Hicks

Principal

Copy: Hobbs NMOCD office; Rice Operating Company

Table 1: chemistry over time

B-32 Boot

41

and the

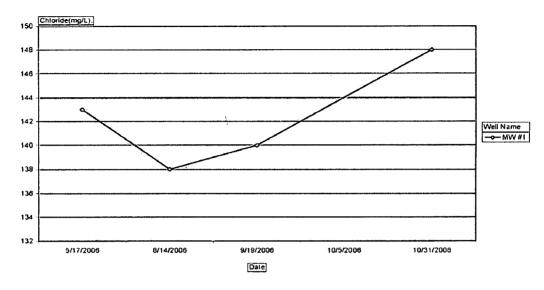
Comments				Napthalene 1.33	Napthalene 1.27 Slight odor clear
TDS (mg/L) Benzene (ug/L) Toluene (ug/L) EthylBenzene (ug/L) Total Xylenes (ug/L) Comments	le0.00703J][0.000621]	j[0.000784]	1.88	1.88
EthylBenzene (ug/L)	J[0.000371]	j[0.000642]	0.00212	2.22	3.85
Toluene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene (ug/L)	<0.001	0.001	0.00645	3.66	5.54
TDS (mg/L)	742	646	720	XX	638
Sulfate (mg/L)	88.3	84	95.2	XX	91.2
Chloride (mg/L) Sulfate (mg/L)	143	138	140	XX	148
DTW (ft)	57.03	57.33	57.06	56.88	56.80
Date	5/17/2006	8/14/2006	9/19/2006	10/5/2006	10/31/2006
Well Name Date	MW #1	MW #1	MW #1	MW #1	MW #1

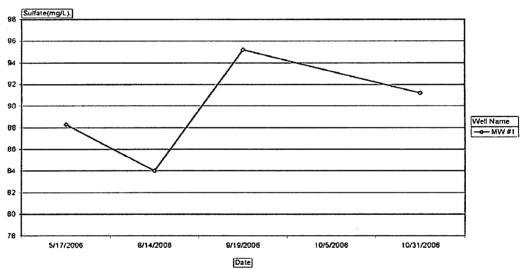
· [6]

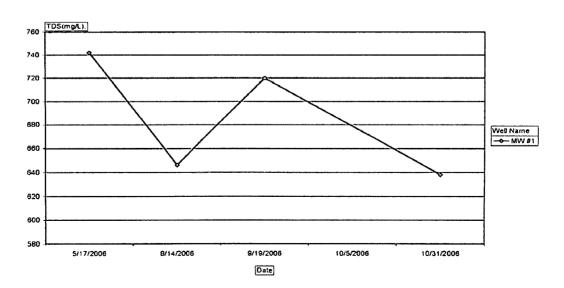
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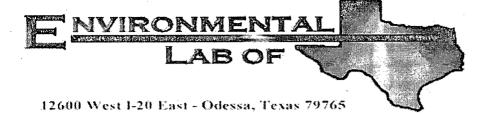
Site Name B-32 Boot

Chloride Over Time









Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: Hobbs B-32 Boot Project Number: None Given Location: Lea County

Lab Order Number: 6E18020

Report Date: 05/26/06

Rice Operating Co. 122 W. Taylor

Project: Hobbs B-32 Boot

Project Number: None Given

Reported: 05/26/06 13:36

Fax: (505) 397-1471

Hobbs NM, 88240 Project Manager: Kristin Farris-Pope

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6E18020-01	Water	05/17/06 15:20	05/18/06 12:00

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18020-01) Water		•							
Benzene	ND	0.00100	mg/L	. 1	EE62101	05/21/06	05/22/06	EPA 8021B	
Toluene	ND	0.00100	п	п	11	"		"	
Ethylbenzene	[0.000371]	0.00100	н		H-	**		D	
Xylene (p/m)	I [0.000703]	0.00100	I+	"	n	н		n	
Xylene (o)	ND	0.00100	10		н	н	п	н .	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-12	20	ı,	"	n	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-12	20	ı,	"	"	"	

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

Reported: 05/26/06 13:36

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte Monitor Well #I (6E18020-01) Water	215 2.00 mg/L l EE62220 05/22/06 05/22/06 EPA 310.1M 143 5.00 " 10 EE62205 05/22/06 05/22/06 EPA 300.0	· Notes							
Total Alkalinity	215	2.00	mg/L	ì	EE62220	05/22/06	05/22/06	EPA 310.1M	
Chloride	143	5.00	u.	10	EE62205	05/22/06	05/22/06	EPA 300.0	
Total Dissolved Solids	742	5.00	n	1	EE61919	05/18/06	05/18/06	EPA 160.1	
Sulfate	88.3	5.00		10	EE62205	05/22/06	05/22/06	EPA 300.0	

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18020-01) Water									
Calcium	57.3	0.500	mg/L	50	EE61926	05/19/06	05/19/06	EPA 6010B	
Magnesium	10.5	0.0100	**	10	н	#	,,	**	
Potassium	2.74	0.500		11	н	#	**	н	
Sodium	130	0.500	Đ	50	10		H	н	

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
Project Manager: Kristin Farris-Pope

Reported: 05/26/06 13:36

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE62101 - EPA 5030C (GC)										
Blank (EE62101-BLK1)				Prepared &	Analyzed:	05/21/06				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	*1							
Xylene (p/m)	ND	0.00100.0	**							
Xylene (o)	ND	0.00100	li							
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	32.2		"	40.0		80.5	80-120			
LCS (EE62101-BS1)				Prepared &	: Analyzed:	05/21/06				
Benzene	0.0415	0.00100	mg/L	0.0500		83.0	80-120			
Toluene	0.0421	0.00100	"	0.0500		84.2	80-120			
Ethylbenzene	0.0463	0.00100	"	0.0500		92.6	80-120			
Xylene (p/m)	0.102	0.00100	**	0.100		102	80-120			
Xylene (o)	0.0504	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.7		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			
Calibration Check (EE62101-CCV1)				Prepared &	: Analyzed:	05/21/06				
Benzene	44.3		ug/l	50.0		88.6	80-120			
Toluene	44.3		. "	50.0		88.6	80-120	,		
Ethylbenzene	55.3		**	50.0		111	80-120			
Xylene (p/m)	99.1		. "	100		99.1	80-120			
Xylene (o)	49.1		11	50.0		98.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.6		"	40.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	34.8		"	40.0		87.0	80-120			
Matrix Spike (EE62101-MS1)	Sou	rce: 6E17005-	-01	Prepared: 0)5/21/06 A	nalyzed: 05	/22/06			
Benzene	0.0444	0.00100	mg/L	0.0500	ND	88.8	80-120			
Toluene	0.0454	0.00100	"	0.0500	ND	90.8	80-120			
Ethylbenzene	0.0488	0.00100		0.0500	ND	97.6	80-120			
Xylene (p/m)	0.108	0.00100	11	0.100	ND	108	80-120			
Xylene (o)	0.0531	0.00100	"	0.0500	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.5		ug/l	40.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	80-120			

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RÉC Limits	RPD	RPD Limit	Notes
Batch EE62101 - EPA 5030C (GC)										
Matrix Spike Dup (EE62101-MSD1)	Sour	rce: 6E17005-	01	Prepared: 0	5/21/06 A	nalyzed: 05	/22/06			
Benzene	0.0439	0.00100	mg/L	0.0500	ND	87.8	80-120	1.13	20	
Toluene	0.0447	0.00100	,,	0.0500	ND	89.4	80-120	1.55	20	
Ethylbenzene	0.0481	0.00100	и	0.0500	ND	96.2	80-120	1.44	20	
Xylene (p/m)	0.107	0.00100	,11	0.100	ND	107	80-120	0.930	20	
Xylene (o)	0.0521	0.00100	" n .	0.0500	ND	104	80-120	1.90	20	
Surrogate: a,a,a-Trifluorotoluene	46.4		ug/l	40.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	33.4	-	"	40.0		83.5	80-120			

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD .	Limit	Notes
Batch EE61919 - Filtration Preparation										
Blank (EE61919-BLK1)				Prepared &	Analyzed:	05/18/06				
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EE61919-DUP1)	Sou	rce: 6E18012-	01	Prepared &	Analyzed:	05/18/06				
Total Dissolved Solids	1420	5.00	mg/L		1470			3.46	5	
Batch EE62205 - General Preparation (W	etChem)								·	
Blank (EE62205-BLK1)				Prepared &	Analyzed:	05/22/06				
Sulfate	ND	0,500	mg/L							
Chloride .	ND	0.500	n					*		
LCS (EE62205-BS1)				Prepared &	Analyzed:	05/22/06				
Sulfate	8.20		mg/L	10.0		82.0	80-120			
Chloride	10.1		11*	10.0		101	80-120			
Calibration Check (EE62205-CCV1)				Prepared &	Analyzed:	05/22/06				
Chloride	10.1		mg/L	10.0	, ,	101	80-120			
Sulfate	9.63		*	10.0		96.3	80-120			
Duplicate (EE62205-DUP1)	Son	rce: 6E18012-	01	Prepared & Analyzed: 05/22/06						
Sulfate	307	10.0	mg/L	304			0.982	20		
Chloride	343	10.0	n	344			0.291	20		
Duplicate (EE62205-DUP2)	Sou	rce: 6E18015-	01	Prepared 8	Analyzed:	05/22/06			ı	
Chloride	415	10.0	mg/L		412			0.726	20	
Sulfate	50.3	10.0	n		50.6			0.595	20	

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE62205 - General Preparatio	on (WetChem)	٠		*****						
Matrix Spike (EE62205-MS1)	Sour	ce: 6E18012-	01	Prepared &	& Analyzed:	05/22/06				
Chloride	565	10.0	mg/L	200	344	110	80-120	· ·		
Sulfate	465	10.0	. "	200	304	80.5	80-120	,		
Matrix Spike (EE62205-MS2)	Sour	ce: 6E18015-	01	Prepared &	& Analyzed:	05/22/06				
Chloride	654	10.0	mg/L	200	412	121	80-120			S-0°
Sulfate	200	10.0	"	200	50.6	74.7	80-120			S-0°
Batch EE62220 - General Preparatio	on (WetChem)	· 		Prepared &	& Analyzed:	: 05/22/06				
	on (WetChem)	2.00	mg/L	Prepared &	è Analyzed:	05/22/06				
Blank (EE62220-BLK1)		2.00	mg/L		& Analyzed:					
Blank (EE62220-BLK1) Total Alkalinity		2.00	mg/L		-		85-115			
Blank (EE62220-BLK1) Total Alkalinity LCS (EE62220-BS1)	, ND		mg/L	Prepared &	-	05/22/06	85-115			
Blank (EE62220-BLK1) Total Alkalinity LCS (EE62220-BS1) Bicarbonate Alkalinity	, ND	2.00	mg/L	Prepared &	& Analyzed:	05/22/06	85-115	0.358	20	
Blank (EE62220-BLK1) Total Alkalinity LCS (EE62220-BS1) Bicarbonate Alkalinity Duplicate (EE62220-DUP1)	ND 214 Sour	2.00 ce: 6E18012-	mg/L	Prepared & 200 Prepared &	& Analyzed: & Analyzed:	05/22/06	85-115	0.358	20	

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/26/06 13:36

Total Metals by EPA / Standard Methods - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE61926 - 6010B/No Digestion	1, 1, 2, 3, 1, 2, 3	-								
Blank (EE61926-BLK1)				Prepared &	Analyzed:	05/19/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND .	0.0500	11							
Sodium	ND	0.0100),							
Calibration Check (EE61926-CCV1)				Prepared &	Analyzed:	05/19/06				
Calcium	2.30		mg/L	2.00		115	85-115			
Magnesium	2.21		"	2.00		110	85-115			
Potassium	1.80		"	2.00		90.0	85-115			
Sodium	1.81		"	2.00		90.5	85-115			
Duplicate (EE61926-DUP1)	Sou	rce: 6E18012-	01	Prepared &	Analyzed:	05/19/06				
Calcium	111	0.500	mg/L		111			0.00	20	
Magnesium	58.3	0.0100			56.5			3.14	20	
Potassium	12.2	0.500			12.9			5.58	20	
Sodium	266	0.500	n		271			1.86	20	

Rice Operating Co.

Project: Hobbs B-32 Boot
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope
Fax: (505) 397-1471
Reported:
05/26/06 13:36

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Duplicate

Dur

,	Kaland KJull		
Report Approved By:	Ration C 1.0.	Date:	5/26/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

12600 West I-20 East Odessa, Texas 79765

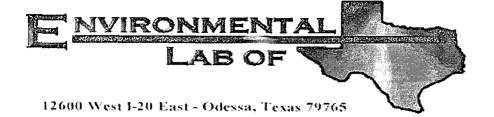
Phone: 432-563-1800 Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Hobbs B-32 Boot	Project #:	Project Loc: Lea County	HO#:	3) 397-1471		Analyze For	TGLP: X	a	SOLSM 1005 100 8, Mg, Ne, K) 3, O.4, CO3, HCO3) 1, CEC Ag Ba Cd Cr Pb Hg 5 185 185 185 187 187 187 187 187 187 187 187 187 187	NaOH H2SO, None (1) Soff Sher (5p TPH: 418. Soff Sher (5p The: 418. Th	× × × × × × × × × × × × × × × × × × ×					Semple Containers Intact? N Semple Containers Intact? N Labels on containing? N N Custody Seels: Osuginers / Cooler Température Upon Receipt: 1.0 Confrag	Date Time Laboratory Comments:	20m Stalob 6:03	Dale Time	
kpope@riceswd.com				Fax No: (505) 397-147	310					Date Sa	5/17/2006 15:20 3						Received by:	James James	Received by ELOT	いくなっている。シュー・
Project Manager: Kristin Farris Pope kpope@	Company Name, RICE Operating Company	company Address: 122 W. Taylor Street	city/state/zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310		Email: rozanne@valornet.com			FIELD CODE	OV Monitor Well #1					PLEASE Email RESULTS TO:	Date Time	20:9 7	Date Time	-
Project Mana	Company No	Company Addn	. City/State/	Telephone	Sampler Signat	•	ij		0,200	(Vocable only)	WC WC	なる ない おきない				Special Instructions:	Relinquished by:	Rozanne Johnson	Relinquished by:	~

Environmental Lab of Texas Variance / Corrective Action Report — Sample Log-In

Client: Rice Operating Co				
Date/Time: <u>65-18-66@1200</u>				
Order #:6E 18620				
nitials: JMM			,	
mass.			•	•
Sample Receipt		st		
Temperature of container/cooler?	(Yes)	No	10 6,1	
Shipping container/cooler in good condition?	(Yes)	No		
Dustody Seals intact on shipping container/cooler?	(Yes)	No	Not present	
Dustody Seals intact on sample bottles?	(Yes)	No	Not present	
Chain of custody present?	(res	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Yes	No		
Chain of custody agrees with sample label(s)	(Yes)	No		
Container labels legible and intact?	(Yes)	No		
Sample Matrix and properties same as on chain of custody?	Yes	No		
Samples in proper container/bottle?	1 YES 1	No		1
Samples properly preserved?	7 (25)	No		
Sample bottles intact?	₹ 95	No		Ì
Preservations documented on Chain of Custody?	1 Xes	No		1
Containers documented on Chain of Custody?	/es	No		İ
Sufficient sample amount for indicated test?	/res	No		Ī
All samples received within sufficient hold time?	(Yes)	No ·		
VOC samples have zero headspace?	(Yes)	No	Not Applicable	Ī
Other observations:	**************************************	 	·	
Variance Docu Contact Person: Date/Time: Regarding:		· ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Corrective Action Taken:				



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: Hobbs B-32 Boot Project Number: None Given Location: Lea County

Lab Order Number: 6H18010

Report Date: 08/28/06

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122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6Н18010-01	Water	08/14/06 12:05	08-18-2006 10:20

Fax: (505) 397-1471

Project: Hobbs B-32 Boot

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6H18010-01) Water	r					-	-		
Benzene	0.00105	0.00100	mg/L	1	EH62121	08/21/06	08/22/06	EPA 8021B	
Toluene	ND	0.00100	. "	. 11	"	н	**	н	
Ethylbenzene	F [0.000642]	0.00100	u .	**		*	,,	n.	
Xylene (p/m)	J [0.000621]	0.00100	"			"	н	*	
Xylene (o)	ND	0.00100		"	h	U	n	11	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-12	20	"	"	,,	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	. 80-12	20	"	"	"	n	

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6II18010-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	248	2.00	mg/L	1	EH62128	08/21/06	08/21/06	EPA 310.IM	
Chloride	138	5.00	**	10	EH62101	08/21/06	08/21/06	EPA 300.0	
Total Dissolved Solids	646	10.0	D	i	EH62303	08/18/06	08/22/06	EPA 160.1	
Sulfate	84.0	5.00		10	EH62101	08/21/06	08/21/06	EPA 300.0	

Pre

Project: Hobbs B-32 Boot

122 W. Taylor

Hobbs NM, 88240

Project Number: None Given

Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6H18010-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	56.0	0.810	mg/L	10	EH62313	08/23/06	08/23/06	- EPA 6010B	
Magnesium	10.5	0.360	ь	в	n	u	**	· ·	
Potassium	2.70	0.600	•		"	•	11	91	
Sodium	142	2.15	n	50	"	u		"	

Fax: (505) 397-1471

Project: Hobbs B-32 Boot

122 W. Taylor

Project Manager: Kristin Farris-Pope Hobbs NM, 88240

Project Number: None Given

Fax: (505) 397-1471

Organics by GC - Quality Control **Environmental Lab of Texas**

Analyte .	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62121 - EPA 5030C (GC)										·
Blank (EH62121-BLK1)		· · · · · · · · · · · · · · · · · · ·		Prepared: 0	8/21/06 A	.nalyzed: 08	3/22/06			
Benzene _.	ND	0.00100	mg/L	-						
Toluene	ND	0.00100								
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100	н							
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/l	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	80-120			
LCS (EH62121-BS1)				Prepared &	Analyzed	: 08/21/06				
Benzene	0.0460	0.00100	mg/L	0.0500		92.0	80-120			
Toluene	0.0503	0.00100	11	0.0500		101	80-120			
Ethylbenzene	0.0463	0.00100	**	0.0500		92.6	80-120			
Xylene (p/m)	0.113	0.00100	11	0.100		113	80-120			
Xylene (o)	0.0565	0.00100	0	0.0500		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.7		ug/l	40.0		99.2	80-120	•		
Surrogate: 4-Bromofluorobenzene	45.0		"	40.0		112	80-120			
Calibration Check (EH62121-CCVI)		•		Prepared: 0	08/21/06 A	nalyzed: 08	3/22/06			
Benzene -	48.7		ug/l	50.0		97.4	80-120			
Toluene	52.3		ir.	50.0		105	80-120			
Ethylbenzene	57.3			50.0		115	80-120			
Xylene (p/m)	114		P	100		114	80-120			
Xylene (o)	57.6		H	50.0		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.7		"	40.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120			
Matrix Spike (EH62121-MS1)	Sou	rce: 6H18007-	-01	Prepared: 0	08/21/06 A	nalyzed: 08	8/22/06			
Benzene	0.0464	0.00100	mg/L	0.0500	ND	92.8	80-120			
Toluene	0.0550	0.00100	H	0.0500	ND	110	80-120			
Ethylbenzene	0.0554	0.00100	17	0.0500	ND	111	80-120			
Xylene (p/m)	0.117	0.00100		0.100	ND ·	117	80-120			
Xylene (o)	0.0575	0.00100		0.0500	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.8		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	46.5		"	40.0		116	80-120			

122 W. Taylor

Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62121 - EPA 5030C (GC)		,								
Matrix Spike Dup (EH62121-MSD1)	Sou	rce: 6H18007-	-01	Prepared: (8/21/06 A	nalyzed: 08	3/22/06			-
Benzene	0.0473	0.00100	mg/L	0.0500	ND	94.6	80-120	1.92	20	
Toluene	0.0535	0.00100	11	, 0.0500	ND	107	80-120	2.76	20	
Ethylbenzene	0.0549	0.00100	*	0.0500	ND	110	80-120	0.905	20	
Xylene (p/m)	0.120	0.00100	n	0.100	ND	120	80-120	2.53	20	
Xylene (o)	0.0583	0.00100	11	0.0500	ND	117	80-120	1.72	20	
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Fax: (505) 397-1471

Project: Hobbs B-32 Boot

122 W. Taylor

Hobbs NM, 88240

Project Number: None Given

Project Manager: Kristin Farris-Pope

General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62101 - General Preparation (V	WetChem)									
Blank (EH62101-BLK1)				Prepared &	Analyzed:	08/21/06	_	·		
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	n							
LCS (EH62101-BS1)				Prepared &	Analyzed:	08/21/06				
Sulfate	8.51	0.500	mg/L	10.0		85.1	80-120			
Chloride	10.0	0.500	11	10.0		100	80-120			
Calibration Check (EH62101-CCV1)				Prepared &	Analyzed:	08/21/06				
Sulfate	8.34		mg/L	10.0		83.4	80-120			-
Chloride	10.2		n	10.0		102	80-120			
Duplicate (EH62101-DUP1)	Sou	rce: 6H18007-	-01	Prepared &	Analyzed:	08/21/06				
Sulfate	76,3	5.00	mg/L		65.9			14.6	20	
Chloride	105	5.00	н		98.9			5.98	20	
Duplicate (EH62101-DUP2)	Sou	rce: 6H18013-	04	Prepared &	Analyzed:	08/21/06				
Sulfate	331	5.00	mg/L		336			1.50	20	
Chloride	138	5.00			136			1.46	20	
Matrix Spike (EH62101-MS1)	Sou	rce: 6H18007-	01	Prepared &	Analyzed:	08/21/06				
Sulfate	172	5.00	mg/L	100	65.9	106	80-120			
Chloride	210	5.00	"	100	98.9	111	80-120			
Matrix Spike (EH62101-MS2)	Sou	rce: 6H18013-	-04	Prepared &	: Analyzed:	08/21/06				
Sulfate	422	5.00	mg/L	100	336	86.0	80-120			
Chloride	224	5.00	и	100	136	88.0	80-120			

Fax: (505) 397-1471

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH62128 - General Preparation (We	(Chem)									
Blank (EH62128-BLK1)				Prepared &	& Analyzed:	08/21/06				
Total Alkalinity	ND	2.00	mg/L			_				
LCS (EH62128-BS1)				Prepared &	Analyzed:	08/21/06				·
Total Alkalinity	178		mg/L	200		89.0	85-115			
Duplicate (EH62128-DUP1)	Sou	rce: 6H18007-	-01	Prepared &	Analyzed:	08/21/06				
Total Alkalinity	186	2.00	mg/L		186	-		0.00	20	
Reference (EH62128-SRM1)				Prepared &	k Analyzed:	08/21/06				
Total Alkalinity	248		mg/L	250		99.2	90-110			
Batch EH62303 - Filtration Preparation										
Blank (EH62303-BLK1)				Prepared: (08/18/06 A	nalyzed: 08	3/22/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EH62303-DUP1)	Sou	rce: 6H18007-	-01	Prepared: (08/18/06 A	nalyzed: 08	3/22/06			
Total Dissolved Solids	556	10.0	mg/L		-526			5.55	5	R
Duplicate (EH62303-DUP2)	Sou	гсе: 6Н18013-	-04	Prepared &	k Analyzed:	08/18/06				
Total Dissolved Solids	808	10.0	mg/L		930			14.0	5	

Project: Hobbs B-32 Boot

Project Number: None Given

Fax: (505) 397-1471

Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62313 - 6010B/No Digestion										
Blank (EH62313-BLK1)				Prepared &	Analyzed:	08/23/06				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	**							•
Sodium	ND	0.0430	n							
Calibration Check (EH62313-CCV1)				Prepared &	Analyzed:	08/23/06				
Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	2.01		и	2.00		100	85-115			
Potassium	1.76		"	2.00		88.0	85-115			
Sodium	1.96		"	2.00		98.0	85-115			
Duplicate (EH62313-DUP1)	Sou	rce: 6H15005-	-04	Prepared &	Analyzed:	08/23/06				
Calcium	44.4	0.810	mg/L		45.9			3.32	20	
Magnesium	48.1	0.360	*		49.3			2.46	20	
Potassium	42.9	0.600	11		42.6			0.702	20	
Sodium	44.4	0.430	*		43.5			2.05	20	

Rice Operating Co.
Project: Hobbs B-32 Boot
Fax: (505) 397-1471
Project Number: None Given
Project Manager: Kristin Farris-Pope

Notes and Definitions

R5	RPD is outside of historic values
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

	Kaland KJulia		
Report Approved By:	Zacan Cito-	Date:	8/28/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

Phone: 432-563-1800 Fax: 432-563-1713

(alubarta2-eng) TAT H2U9 Custody Seals. Containers / Cooler Temperature Upon Receipt: abilios baviosai@ listo* O.R.M. Project Name: Hobbs B-32 Boot 105 Sample Containers Intact? Analyze For Lea County BTEX 8021B/5030 Labels on container? Netals: As Ag Ba Cd Ct Pb Hg Se TOLP: TOTAL: Project Loc: Project #: PO#: Anions (CA, \$O4, CO3, HCO3) Cations (Ca. Mg, Na. K) 6001 8001 M8108 1,814:H91 Other (specify): Goil PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com Sindge Water Offrer (Specify) None (1) 1 Liter HDPE *OS^zH Fax No: (505) 397-1471 HOPN HCI (S) 40 ml glass visis HMO³ 901 No. of Containers 12:05 Time Sampled kpope@riceswd.com 8/14/2006 Date Sampled Sampler Signature: Rozanne Johnson (505) 631-9310 rozanne@valornet.com city/State/Zip: Hobbs, New Mexico 88240 company Name RICE Operating Company Email: rozanne@valornet.com Company Address: 122 W. Taylor Street Project Manager: Kristin Farris Pope FIELD CODE Telephone No: (505) 393-9174 Monitor Well #1 Special Instructions: AB # (lab use only)

TAT brebnet2

40

Laboratory Comments:

Time 5:3/

8-18-06

Receiveo

Time Sylve

0 Date 8/18/00

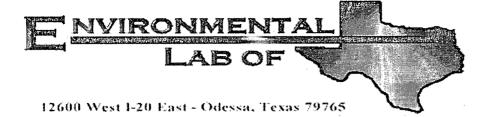
Rozanne Johnson

Relipquished by

Relinquished by

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client: Rice D2				
Date/ Time: 8/18/04 10:20				
Lab ID#: 6418010				
Initials:				
imilals.				
Sample Receipt	t Checklist	•		
		· · · · · · · · · · · · · · · · · · ·		t Initials
#1 Temperature of container/ cooler?	Yes	No	4.0 °C	
#2 Shipping container in good condition?	Уes	No		
#3 Custody Seals intact on shipping container/ cooler?	χ es s .	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	y∕eş	No		
#6 Sample instructions complete of Chain of Custody?	Ves	No		
#7 Chain of Custody signed when relinquished/ received?	X es	No		
#8 Chain of Custody agrees with sample label(s)?	Y€\$	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yes.	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	X®s	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	es	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	
#19 VOC samples have zero headspace?	yes Yes	No	Not Applicable	
The too campion has been been a	7.09	1	1 Not Applicable	
Variance Docu	mentation			
Contacted by:	_		Date/ Time:	
		-	•	
Regarding:				
Corrective Action Taken:				
1				
<u> </u>				
B				
Check all that Apply: See attached e-mail/ fax				
Client understands and wou	uld like to prod	seed with	analysis	
Cooling process had begun			•	
	noting with		- x -, it	



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Location: T18S-R38E-Sec32B, Lea County, NM

Lab Order Number: 6120005

Report Date: 10/03/06

122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6120005-01	Water	09/19/06 10:45	09-20-2006 13:22

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
Project Manager: Kristin Farris-Pope

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6120005-01) Water									· •,
Benzene	0.00645	0.00100	mg/L	1	E162012	09/20/06	09/21/06	EPA 8021B	
Toluene	ND	0.00100		**	H		н	ь	
Ethylbenzene	0.00212	0.00100	**	п	"	**	п	u	
Xylene (p/m)	J [0.000784]	0.00100	11	IF	ш	*	u .	n	
Xylene (o)	ND	0.00100	н	**	•	n	*		
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-12	20	n	"	"	н	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-12	20	"	n	n	n	

Project: Hobbs B-32 Boot

122 W. Taylor Hobbs NM, 88240

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Project Number: None Given

Project Manager: Kristin Farris-Pope

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Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6120005-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	230	2.00	mg/L	1	EI62707	09/27/06	09/27/06	EPA 310.1M	
Chloride	140	5.00		10	El62105	09/22/06	09/25/06	EPA 300.0	
Total Dissolved Solids	720	10.0	"	1	El62118	09/20/06	09/21/06	EPA 160.1	
Sulfate	95.2	5.00	11	10	E162105	09/22/06	09/25/06	EPA 300.0	

122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6120005-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	59.8	0.810	mg/L	10	E162111	09/21/06	09/21/06	EPA 6010B	
Magnesium	10.3	0.360	*1	**	я	"	11	**	
Potassium	2.76	0.600	n	11	и	"	n	**	
Sodium	129	2.15	н	50	11	**		н	

Rice Operating Co. 122 W. Taylor

Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch E162012 - EPA 5030C (GC)										
Blank (EI62012-BLK1)				Prepared &	Analyzed:	09/20/06				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	11							
Ethylbenzene	ND	0.00100	n							
Xylene (p/m)	ND	0.00100	11							
Xylene (o)	ND	0.00100	и							
Surrogate: a,a,a-Trifluorotoluene	39.2		ug/l	40.0		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	32.5		"	40.0		81.2	80-120			
LCS (E162012-BS1)				Prepared: 0	9/20/06 A	nalyzed: 09	9/21/06			
Benzene	0.0589	0.00100	mg/L	0.0500		118	80-120			
Toluene	0.0466	0.00100	"	0.0500		93.2	80-120			
Ethylbenzene	0.0423	0.00100	n	0.0500		84.6	80-120			
Xylene (p/m)	0.0902	0.00100	"	0.100		90.2	80-120			
Xylene (o)	0.0442	0.00100	n	0.0500		88.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.1		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	43.2		"	40.0		108	80-120			
Calibration Check (EI62012-CCV1)				Prepared &	Analyzed:	09/20/06				
Benzene	0.0540		mg/L	0.0500		108	80-120			
Toluene	0.0482		n	0.0500		96.4	80-120			
Ethylbenzene	0.0489		"	0.0500		97.8	80-120			
Xylene (p/m)	0.0966		"	0.100		96.6	80-120			
Xylene (o)	0.0480		H	0.0500		96.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.1		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	43.3		"	40.0		108	80-120			
Matrix Spike (E162012-MS1)	Sou	ırce: 6118004-0)3	Prepared: 0	19/20/06 A	nalyzed: 09	7/21/06			
Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120			
Toluene	0.0492	0.00100	**	0.0500	ND	98.4	80-120			
Ethylbenzene	0.0474	0.00100	"	0.0500	ND	94.8	80-120			
Xylene (p/m)	0.0937	0.00100	27	0.100	ND	93.7	80-120			
Nylene (o)	0.0461	0.00100		0.0500	ND	92.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.3		ug/l	40.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	44.4		"	40.0		111	80-120			

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch E162012 - EPA 5030C (GC)							_			
Matrix Spike Dup (E162012-MSD1)	Sou	rce: 6118004-6	03	Prepared: 0)9/20/06 A	nalyzed: 09	/21/06			
Benzene	0.0592	0.00100	mg/L	0.0500	ND	118	80-120	0.844	20	
Toluene	0.0502	0.00100	,,	0.0500	ND	100	80-120	1.61	20	
Ethylbenzene	0.0488	0.00100	,	0.0500	ND	97.6	80-120	2.91	20	
Xylene (p/m)	0.0932	0.00100	**	0.100	ND	93.2	80-120	0.535	20	
Xylene (o)	0.0458	0.00100	**	0.0500	ND	91.6	80-120	0.653	20	
Surrogate: a,a,a-Trifluorotoluene	43.3		ug/l	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		"	40.0		115	80-120			

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

				C 1	C	·- ·· ·	%REC		RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Notes
Batch El62105 - General Preparation (Wet	Chem)							_		
Blank (E162105-BLK1)				Prepared:	09/22/06 A	nalyzed: 09	9/25/06			
Chloride	ND	0.500	mg/L							
Sulfate	ND	0,500	n							
LCS (EI62105-BS1)				Prepared:	09/22/06 A	nalyzed: 09	9/25/06			
Chloride	11.8	0.500	mg/L	10.0		118	80-120			
Sulfate	11.2	0.500	н	10.0		112	80-120			
Calibration Check (El62105-CCV1)				Prepared:	09/22/06 A	nalyzed: 09	9/25/06			
Chloride	11.7		mg/L	10.0		117	80-120			
Sulfate	11.1		H	10.0		111	80-120			
Duplicate (EI62105-DUP1)	Sou	rce: 6120004-	01	Prepared:	nalyzed: 09					
Sulfate	118	5.00	mg/L		119			0.844	20	
Chloride	43.6	5.00	и		45.0			3.16	20	
Matrix Spike (EI62105-MS1)	Sou	rce: 6I20004-	01	Prepared:	09/22/06 A	nalyzed: 09	9/25/06			
Chloride	174	5.00	mg/L	100	45.0	129	80-120			М
Sulfate	236	5.00	"	100	119	117	80-120			
Batch EI62118 - Filtration Preparation					, , , , , , , , , , , , , , , , , , ,					
Blank (E162118-BLK1)	~			Prepared:	09/20/06 A	nalyzed: 0	9/21/06			
Total Dissolved Solids	ND	10,0	mg/L							
Duplicate (E162118-DUP1)	Sou	rce: 6I20004-	01RE1	Prepared:	09/20/06 A	analyzed: 0				
Total Dissolved Solids	428	10.0	mg/L		416			2.84	5	

Rice Operating Co. 122 W. Taylor

Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch E162707 - General Preparation	(WetChem)							·		
Blank (E162707-BLK1)				Prepared &	Analyzed:	09/27/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (E162707-BS1)				Prepared &	Analyzed:	09/27/06				
Bicarbonate Alkalinity	192	2.00	mg/L	200		96.0	85-115			
Duplicate (E162707-DUP1)	Sour	ce: 6120004-()1	Prepared &	Analyzed:	09/27/06				
Total Alkalinity	284	2.00	mg/L		286			0.702	20	
Reference (E162707-SRM1)				Prepared &	: Analyzed:	09/27/06				
Total Alkalinity	242		mg/L	250		96.8	90-110			

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch El62111 - 6010B/No Digestion						···				
Blank (E162111-BLK1)				Prepared &	Analyzed:	09/21/06				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	н							
Potassium	ND	0.0600								
Sodium	ND	0.0430	"							
Calibration Check (E162111-CCV1)				Prepared &	z Analyzed:	09/21/06				
Calcium	2.08		mg/L	2.00		104	85-115			
Magnesium	2.15			2.00		108	85-115			
Potassium	1.85		**	2.00		92.5	85-115			
Sodium	1.73		"	2.00		86.5	85-115			
Duplicate (E162111-DUP1)	Sou	rce: 6120004-0)1	Prepared & Analyzed: 09/21/06						
Calcium	64.8	0.810	mg/L		67.3			3.79	20	
Magnesium	24.6	0.360	"		25.1			2.01	20	
Potassium	3.22	0.600	n		3.37			4.55	20	
Sodium	67.8	0.430	"		69.6			2.62	20	

Rice Operating Co.

Project: Hobbs B-32 Boot
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471
Kristin Farris-Pope

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

MS Matrix Spike

Duplicate

Laboratory Control Spike

M1

LCS

Dup

Report Approved By: Report Approved By: Report Approved By: Date: 10/3/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

12500 West I-20 East Odesse, Texas 79765

Phone: 432-563-1800 Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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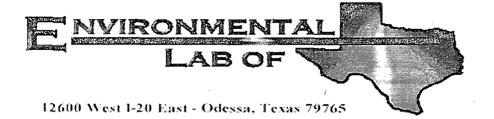
Hobbs B-32 Boot		T18S-R38E-Sec32B, Lea County NM				Analyza For:	TGLP.		TPHE 472.1 SOUTH MAIN 1005 10005 Codomes (Co., Mig., Mo., Co.), HCO3) South VESP VCEC South VCEC	×						Sample Conteiners Intact? Labels on conteiner? Custcoy Seals: Conteiners Coole Temperature Upon Receipt:	Time Laboratory Comments:	Time [322]
Project Name:	Project Number:	Project Loc:	PO Number:					ve Metrix	Monte (1) 7 128st Hallare: Walker (Specially)	1 X						riceswd.com	Date	Dete (1)
And and Control of the Control of th				Fax No: (505) 397-1471	4			Preservative	Time Sampled No. of Containers tee HOUSE 49 and gloss visits MADH HEADLE	10:45 3 X 2					Therein and the second	FO: kpope@riceswd.com; mfranks@rlceswd.com		" MCMUNEY
kpope@riceswd.com					-8310			The state of the s	Date Sampled	9/19/2006						<u>, r- }-</u> ;	Received by:	Received by ELOT
Project Manager: Kristin Farris Pope kpops	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/state/zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	8ampier Signature: Rozanne Johnson (505) 631-93		Email: 10231116(2/VBIOTNE) CON1		第 000000000000000000000000000000000000	Monitor Well #1	The state of the s					PLEASE Email RESULTS T rozanne@xaloznet.com	A Date Time	Date
Project M	Compan	Company Ad	City/8ti	Telepho	Sampler 81g				DDD (View use only)	0						Special instructions:	Retinguished by:	Relinquiahad by:

TAT brabhata ×

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

ent:	Dr. Dr.				
	DIDIO	4			
	120005			,	
tials:	NL				
	W				
	Sample Receipt	Checklist			
		.,			ient Initials
Temperature of co		Yes	<u> 7</u> 0	2.0 °C	
	r in good condition?	CFEB	No		
	act on shipping container/ cooler?	A es	No	Not Present	
Custody Seals into	act on sample bottles/ container?	Ø\$	No	Not Present	
Chain of Custody		∂ fe s	No		
	ns complete of Chain of Custody?	χ€s	No		
Chain of Custody	signed when relinquished/ received?	X € s	No		
Chain of Custody	agrees with sample label(s)?	}/e s	No	ID written on Cont./ Lid	
	legible and intact?	Yes	No	Not Applicable	
O Sample matrix/ p	roperties agree with Chain of Custody?	Yes	No		
1 Containers suppl	ied by ELOT?),∕es	No		
2 Samples in prope	er container/ bottle?	¥€s	No	See Below	
3 Samples properly	y preserved?	Yes	No	See Below	
4 Sample bottles in		Yes	No		
15 Preservations do	cumented on Chain of Custody?	Xes	No		
	mented on Chain of Custody?	Xes	No		
17 Sufficient sample	e amount for indicated test(s)?	Yes	No	See Below	
18 All samples rece	ived within sufficient hold time?	res	No	See Below	
19 VOC samples ha	ave zero headspace?	Yes	No	Not Applicable	
	Mariana Bassa	4 4:			
	Variance Docu	mentation			
ontact:	Contacted by:		_	Date/ Time:	
tegarding:					
.egarding.	,	· • • • • • • • • • • • • • • • • • • •			
Corrective Action Take	en:				
		· · · · · · · · · · · · · · · · · · ·			
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
					
Check all that Apply:	See attached e-mail/ fax				
	Client understands and wou	ld like to pro	ceed with	n analysis	

Cooling process had begun shortly after sampling event



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Location: T18S-R38E-Sec.32B, Lea County, NM

Lab Order Number: 6J10005

Report Date: 10/20/06

Rice Operating Co. 122 W. Taylor

Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6J10005-01	Water	10/05/06 16:25	10-09-2006 17:20

Fax: (505) 397-1471

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Volatile Organic Compounds by EPA Method 8260B Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6J10005-01) Water									
Benzene	3.66	1.00	ug/l	1	EJ61913	10/18/06	10/19/06	EPA 8260B	
Toluene	ND	1.00	**	U	**	91	0	"	
Ethylbenzene	2.22	1.00	**	n	n	**	"	. 0	
Xylene (p/m)	1.88	1.00	**	n	"	n	"	19	
Xylene (o)	ND	1.00	**	•	и	n	**	и	
Naphthalene	1.33	1.00	**	и	•	n	"	v	
Surrogate: Dibromofluoromethane		95.6 %	68-12	29	"	"	"	n	
Surrogate: 1,2-Dichloroethane-d4		87.4 %	72-13	32	"	"	"	n	
Surrogate: Toluene-d8		87.8 %	74-1	18	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		75.8 %	65-14	10	n	"	,,	"	

Project: Hobbs B-32 Boot

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Volatile Organic Compounds by EPA Method 8260B - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61913 - EPA 5030C (GCMS)										
Blank (EJ61913-BLK1)				Prepared &	Analyzed:	10/18/06	,			
Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	и							
Xylene (p/m)	ND	1.00					•			
Xylene (o)	ND	1.00	и							
Naphthalene	ND	1.00	н							
Surrogate: Dibromofluoromethane	47.2		"	50.0		94.4	68-129			
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.6	72-132			
Surrogate: Toluene-d8	40.3		n	50.0		80.6	74-118			
Surrogate: 4-Bromofluorobenzene	37.0		"	50.0		74.0	65-140			
LCS (EJ61913-BS1)				Prepared &	Analyzed:	10/18/06				
Benzene	20.2	1.00	ug/l	25.0		80.8	70-130			
Toluene	22.1	1.00		25.0		88.4	70-130			
Ethylbenzene	22.7	1.00	*1	25.0		90.8	70-130			
Xylene (p/m)	42.0	1.00	*1	50.0		84.0	70-130			
Xylene (o)	23.0	1.00	*1	25.0		92.0	70-130			
Naphthalene	24.2	1.00	**	25.0		96.8	70-130			
Surrogate: Dibromofluoromethane	19.6		"	50.0		99.2	68-129			
Surrogate: 1,2-Dichloroethane-d4	51.5		"	50.0		103	72-132			
Surrogate: Toluene-d8	43.6		"	50.0		87.2	74-118			
Surrogate: 4-Bromofluorohenzene	40.2		"	50.0		80.4	65-140			
Calibration Check (EJ61913-CCV1)				Prepared &	k Analyzed:	10/18/06				
Toluene	41.3		ug/l	50.0		82.6	70-130			
Ethylbenzene	41.1		10	50.0		82.2	70-130			
Surrogate: Dibromofluoromethane	46.9		"	50.0		93.8	68-129			
Surrogate: 1,2-Dichloroethane-d4	44.9		"	50.0		89.8	72-132			
Surrogate: Toluene-d8	44.2		"	50.0		88.4	74-118		4	
Surrogate: 4-Bromofluorohenzene	38.7		"	50.0		77.4	65-140			

122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Volatile Organic Compounds by EPA Method 8260B - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61913 - EPA 5030C (GCMS)										
Matrix Spike (EJ61913-MS1)	Source	e: 6J10005-0)1	Prepared &	Analyzed:	10/18/06				
Benzene	23.6	1.00	ug/i	25.0	3.66	79.8	70-130			
Toluene	22.8	1.00	le .	25.0	ND	91.2	70-130			
Ethylbenzene	26.0	1.00	"	25.0	2.22	95.1	70-130			
Xylene (p/m)	45.4	1.00	"	50.0	1.88	87.0	70-130			
Xylene (o)	24.6	1.00	**	25.0	ND	98.4	70-130			
Naphthalene	28.7	1.00	"	25.0	1.33	109	70-130			
Surrogate: Dibromofluoromethane	51.6		"	50.0		103	68-129			
Surrogate: 1,2-Dichloroethane-d4	48.0		n	50.0		96.0	72-132			
Surrogate: Toluene-d8	44.6		"	50.0		89.2	74-118			
Surrogate: 4-Bromofluorobenzene	40.2		"	50.0		80.4	65-140			
Matrix Spike Dup (EJ61913-MSD1)	Source	e: 6J10005-0)1	Prepared & Analyzed: 10/18/06						
Benzene	23.3	1.00	ug/l	25.0	3.66	78.6	70-130	1.28	20	
Toluene	22.6	1.00	"	25.0	ND	90.4	70-130	0.881	20	
Ethylbenzene	25.7	1.00	11	25.0	2.22	93.9	70-130	1.16	20	
Xylene (p/m)	44.8	1.00	"	50.0	1.88	85.8	70-130	1.33	20	
Xylene (o)	23.9	1.00	"	25.0	ND	95.6	70-130	2.89	20	
Naphthalene	30.2	1.00	"	25.0	1.33	115	70-130	5.09	20	
Surrogate: Dibromofluoromethane	49.0		,,	50.0		98.0	68-129			
Surrogate: 1,2-Dichloroethane-d4	46.4		"	50.0		92.8	72-132			
Surrogate: Toluene-d8	44.0		"	50.0		88.0	74-118			
Surrogate: 4-Bromofluorobenzene	39.8		"	50.0		79.6	65-140			

Rice Operating Co.

Project: Hobbs B-32 Boot
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

DEI	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dun	Dunlicate

Report Approved By:	Kaland	KJumb	D

Date: 10/20/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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12600 West I-20 East Odesea, Texes 79766

Phone: 432-563-1800 Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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Hobbs B-32 Boot		T18S-R38E-Sec32B, Lea County NM				Analyze For:	TIPH: 418.1 & 801518 4005 Calbra (Ca. Mez. Me. 14) Andrea (Cl. SOA, CEG. 15) Soliminal select Volatiles 8260 Volatiles 8260 Volatiles 8260 Volatiles 8260 Volatiles 8260 Volatiles 8260			 					Sample Containere Intact? Labele on container? N	Cuatody Sealer, Contempers / Coolery Temperature Upon Receipt:	Time Laboratory Comments:	3,5 5		
Project Name:	Project Number:	Project Loc:	PO Number:					Matrix		(Agreed)	H, SQ,	×					@rlceswd.com		Date Firme	Бя\в ТІмэ (72.0)
			entral control of the	Fax No: (505) 397-1471	4			Preservelive	\$4	Sampled Containers	No. of sol	16:25 2 X 2					kpope@riceswd.com; mfranks@riceswd.com		Longo	menima
kpope@riceswd.com					1-9310				7	pəldweg	. Sate	10/5/2006					.TS TO: kpope@i	<u>1. com</u>	Received by:	Registed by ELOT
Project Manager: Kristin Farris Pope koop	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	clivistateizip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	sampler algnature; Rozanna Johnson (505) 631-9310		EMAIN TOZBITNEKOVBIOTTIEL COM				FIELD CODE	Monitor Well #1					PLEASE Email RESULTS TO:	rezamengvalemen.com	10 parls Time	Affords 18 40017 2
Project Mar	Company	Company Ade	City/Stat	Telaphon	Sampler Sign						LAB W (ab use only).	127					Special Instructions:		Residence by:	Rollingulahad by:

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

llient:	Dire op.		,				
)ate/ Time:	10/9/06	17:20					
.ab ID # :	6710005						
nitials:	W-						
		Sample Receipt	Checklist		·		
1		•				Client Initials	s
1 Temperatu	re of container/ cools	er?	Yes	No -	3.5	° C]
·	ontainer in good cond		YES	No			1
	 	g container/ cooler?	Yes	No	Not Present		1
	eals intact on sample		Yes	No	Not Present		1
5 Chain of C	ustody present?		Xes	No			1
		f Chain of Custody?	¥7€s	No			1
#7 Chain of C	ustody signed when	relinquished/ received?	₩as	No			1
#8 Chain of C	ustody agrees with s	ample label(s)?	y⊁e,s	No	ID written on Cont	./ Lid	1
#9 Container	abel(s) legible and ir	tact?	Y es	No	Not Applicabl	e	1
#10 Sample m	atrix/ properties agre	e with Chain of Custody?	Y∕€Ş	No			1
#11 Container:	s supplied by ELOT?		Yes	No			1
#12 Samples i	n proper container/ b	ottle?	Yes	No	See Below		1
#13 Samples r	properly preserved?		Y€ş	No	See Below]
#14 Sample bo	ottles intact?		\\Zes	No			1
‡15 Preservati	ons documented on	Chain of Custody?	Y €s	No			1
#16 Container	s documented on Ch	ain of Custody?	Y@s	No			1
#17 Sufficient	sample amount for in	ndicated test(s)?	E s	No	See Below		1
#18 All sample	es received within sur	fficient hold time?	Yes	No	See Below		1
#19 VOC sam	ples have zero head:	space?	Yes	No	Not Applicabl	ie] ·
2		Variance Docu	mentation				-
Contact:		Contacted by:		-	Date/ Time:		
Regarding:							
Corrective Actio	on Taken:						
		·					
Check all that A		See attached e-mail/ fax Client understands and wou Cooling process had begun					



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Location: T18S, R38E, Sec.32 B- Lea County, NM

Lab Order Number: 6K03012

Report Date: 11/22/06

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6K03012-01	Water	10/31/06 12:50	11-03-2006 11:45

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03012-01) Water							1.··· 1.·· 1··· 1··· 1··· 1··· 1··· 1··		
Total Alkalinity	264	. 2.00	mg/L	. 1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	148	5.00		10	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	638	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	91.2	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods **Environmental Lab of Texas**

Analyte Monitor Well #1 (6K03012-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	67.9	0.810	mg/L	10	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	10.8	0.360	"	n	н		•	**	
Potassium	2.71	0.600	н.	n,	н	,	n	"	
Sodium	148	2.15	и	50	n	,	"	n	

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
Project Manager: Kristin Farris-Pope

Volatile Organic Compounds by EPA Method 8260B Environmental Lab of Texas

		Reporting							İ
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03012-01) Water									
Benzene	5.54	1.00	ug/l	1	EK61308	11/13/06	11/14/06	EPA 8260B	
Toluene	ND	1.00	**	н	10	10	n	н	
Ethylbenzene	3.85	1.00	"	11	п	n	H	"	
Xylene (p/m)	1.88	1.00	**	н	н	,,	0	•	
Xylene (o)	ND	1.00	"	"	н	11		n	
Naphthalene	1.27	1.00	**	щ	н	н	H	n	•
Surrogate: Dibromofluoromethane		104 %	68-	129	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	72-	132	"	"	"	"	
Surrogate: Toluene-d8		93.6 %	74-	118	"	n	"	n	
Surrogate: 4-Bromofluorobenzene		92.4 %	65-	140	"	"	"	"	

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

,		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK60209 - Filtration Preparation				-						
Blank (EK60209-BLK1)				Prepared	11/02/06 A	nalyzed: 11	/03/06			
Total Dissolved Solids	ND	10.0	mg/L	,						
Duplicate (EK60209-DUP1)	Sour	rce: 6K01015	-01	Prepared:	11/02/06 A	nalyzed: 11	/03/06			
Total Dissolved Solids	696	10.0	mg/L		702			0.858	5	
Duplicate (EK60209-DUP2)	Sour	rce: 6K03008	-04	Prepared:	11/03/06 A	nalyzed: 11	/06/06			
Total Dissolved Solids	500	10.0	mg/L		492			1.61	5	
Batch EK60602 - General Preparation (V	WetChem)									
Blank (EK60602-BLK1)		·	<u></u>	Prepared &	& Analyzed:	11/06/06				
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EK60602-BS1)				Prepared &	& Analyzed:	11/06/06				
Sulfate	9.30	0.500	mg/L	10.0		93.0	80-120			
Chloride	10.2	0.500	II.	10.0		102	80-120			
Calibration Check (EK60602-CCV1)				Prepared &	& Analyzed:	11/06/06				
Sulfate	10.9		mg/L	10.0		109	80-120			
Chloride	10.0		"	10.0		100	80-120			
Duplicate (EK60602-DUP1)	Sour	rce: 6K03002	-01	Prepared &	& Analyzed:	11/06/06				
Chloride	45.8	5.00	mg/L		45.4			0.877	20	
Sulfate	. 508	5.00	11		511			0.589	20	
Duplicate (EK60602-DUP2)	Sour	rce: 6K03008	-04	Prepared &	& Analyzed:	11/06/06				
Chloride	44.5	5.00	mg/L		44.2			0.676	20	
Sulfate	116	5.00	U		115			0.866	20	

122 W. Taylor

Hobbs NM, 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Project Manager: Kristin Farris-Pope

General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

		Spike Source			%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK60602 - General Preparation	n (WetChem)					-				
Matrix Spike (EK60602-MS1)	Source	ce: 6K03002-	01	Prepared &	Analyzed:	11/06/06				
Sulfate	613	5.00	mg/L	100	511	102	80-120			
Chloride	148	5.00	•	100	45.4	103	80-120			
Matrix Spike (EK60602-MS2)	Source	ce: 6K03008-	.04	Prepared &	Analyzed:	11/06/06				
Chloride	150	5.00	mg/L	100	44.2	106	80-120			
Sulfate	214	5.00		100	115	99.0	80-120			
Batch EK60711 - General Preparation Blank (EK60711-BLKI)	· · · · · · · · · · · · · · · · · · ·			Prepared &	Analyzed:	11/07/06				
Total Alkalinity	ND	2.00	mg/L			-2.27100				
LCS (EK60711-BS1)				Prepared &	Analyzed:	11/07/06				
Total Alkalinity	202	2.00	mg/L	200		101	85-115	5		
Duplicate (EK60711-DUP1)	Source	ce: 6K03008-	01	Prepared &	Analyzed:	11/07/06				
Total Alkalinity	236	2.00	mg/L		240			1.68	20	
Reference (EK60711-SRM1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	254		mg/L	250		102	90-110			

Fax: (505) 397-1471

Project: Hobbs B-32 Boot

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122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Анаук	Kesim	Liniii	Omis	Level	Resuit	/BREC	Limits	KLD	Limit	Notes
Batch EK60712 - 6010B/No Digestion										
Blank (EK60712-BLK1)				Prepared &	Analyzed:	11/07/06				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	11							
Potassium	ND	0.0600	**							
Sodium	ND	0.0430	n							
Calibration Check (EK60712-CCV1)				Prepared &	Analyzed:	11/07/06				
Calcium	2.26		mg/L	2.00		113	85-115			-
Magnesium	2.12		п	2.00		106	85-115			
Potassium	1.73		"	2.00		86.5	85-115			
Sodium	2.13		"	2.00		106	85-115			
Duplicate (EK60712-DUP1)	Sou	rce: 6K03002-	-01	Prepared &	: Analyzed:	11/07/06				
Calcium	84.4	0.810	mg/L		83,8			0.713	20	
Magnesium	40.5	0,360	n		38.9			4.03	20	
Potassium	7.74	0.600	н		8.13			4.91	20	
Sodium	110	2.15	н		117			6.17	20	

Project: Hobbs B-32 Boot

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
Project Manager: Kristin Farris-Pope

Volatile Organic Compounds by EPA Method 8260B - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD _	RPD Limit	Notes				
Batch EK61308 - EPA 5030C (GCMS)			-											
Blank (EK61308-BLK1)				Prepared: 1	11/13/06 Aı	nalyzed: 11	/14/06							
Benzene	ND	00.1	ug/l				-							
Toluene	ND	1.00	*1											
Ethylbenzene	ND .	1.00	н											
Xylene (p/m)	ND	1.00	**											
Xylene (o)	ND	1.00	"											
Naphthalene	ND	1.00												
Surrogate: Dibromofluoromethane	48.7		"	50.0		97.4	68-129							
Surrogate: 1,2-Dichloroethane-d4	42.2		"	50.0	•	84.4	72-132							
Surrogate: Toluene-d8	45.6		"	50.0		91.2	74-118							
Surrogate: 4-Bromofluorobenzene	44.2		"	50.0		88. 4	65-140							
LCS (EK61308-BS1)	Prepared: 11/13/06 Analyzed: 11/15/06													
Benzene	24.0	1.00	ug/l	25.0		96.0	70-130							
Coluene	24.6	1.00	"	25.0		98.4	70-130							
Ethylbenzene	27.1	1.00	P	25.0		108	70-130							
Kylene (p/m)	52.0	1.00	"	50.0		104	70-130							
Xylene (o)	27.1	1.00	"	25.0		108	70-130							
Naphthalene	27.3	1.00	*1	25.0		109	70-130							
Surrogate: Dibromofluoromethane	48.6		"	50.0		97.2	68-129							
Surrogate: 1,2-Dichloroethane-d4	44.0		"	50.0		88.0	72-132							
Surrogate: Toluene-d8	45.1		"	50.0		90.2	74-118		*					
Surrogate: 4-Bromofluorohenzene	50.2		"	50.0		100	65-140							
Calibration Check (EK61308-CCV1)				Prepared: 1	11/13/06 A <u>r</u>	nalyzed: 11	/15/06							
Toluene	52.0		ug/l	50.0		104	70-130	-11						
Ethylbenzene	54.9		n	50.0		110	70-130							
Surrogate: Dihromofluoromethane	50.6		"	50.0		101	68-129							
Surrogate: 1,2-Dichloroethane-d4	48.9		n	50.0		97.8	72-132							
Surrogate: Toluene-d8	47.2		"	50.0		94.4	74-118							
Surrogate: 4-Bromofluorobenzene	44.4		"	50.0		88.8	65-140							

Project: Hobbs B-32 Boot

122 W. Taylor

Project Number: None Given

Fax: (505) 397-1471

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Volatile Organic Compounds by EPA Method 8260B - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK61308 - EPA 5030C (GCMS)										
Matrix Spike (EK61308-MS1)	Source	e: 6K09001-	01	Prepared: 1	1/13/06 A	nalyzed: 11	/16/06			
Benzene	23.0	1.00	ug/l	25.0	ND	92.0	70-130			
Toluene	24.7	1.00	"	25.0	ND	98.8	70-130			
Ethylbenzene	27.0	1.00	n	25.0	ND	108	70-130			
Xylene (p/m)	53.3	1.00	"	50.0	ND	107	70-130			
Xylene (o)	27.0	1.00	"	25.0	ND	108	70-130			
Naphthalene	24.5	1.00	"	25.0	ND	98.0	70-130			
Surrogate: Dibromofluoromethane	49.5		"	50.0		99.0	68-129			
Surrogate: 1,2-Dichloroethane-d4	48.1		"	50.0		96.2	72-132			
Surrogaie: Toluene-d8	47.3		"	50.0		94.6	74-118			
Surrogate: 4-Bromofluorobenzene	48.2		"	50.0		96.4	65-140			
Matrix Spike Dup (EK61308-MSD1)	Sourc	e: 6K09001-	01	Prepared: 1	1/13/06 A	nalyzed: 11	/15/06			
Benzene	23.2	1.00	ug/l	25.0	ND	92.8	70-130	0.866	20	
Гоluene	23.6	1.00	**	25.0	ND	94.4	70-130	4.55	20	
Ethylbenzene	24.6	1.00	**	25.0	ND	98.4	70-130	9.30	20	
Xylene (p/m)	47.6	1.00	•	50.0	ND	95.2	70-130	11.3	20	
Xylene (o)	24.8	1.00		25.0	ND	99.2	70-130	8.49	20	
Naphthalene	26.0	1.00	4	25.0	ND	104	70-130	5.94	20	
Surrogate: Dibromofluoromethane	52.7		В	50.0	•	105	68-129			
Surrogate: 1,2-Dichloroethane-d4	54.4		"	50.0		109	72-132			
Surrogate: Toluene-d8	44.8		"	50.0		89.6	74-118			
Surrogate: 4-Bromofluorobenzene	47.1		"	50.0		94.2	65-140			

Rice Operating Co.
Project: Hobbs B-32 Boot
Fax: (505) 397-1471
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup

Duplicate

Report Approved By:	Kaland KJumb	
responsible from 2.7.		ı

Date: 11/22/200

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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NPDES Project Loc: T18S R38E Sec32 B ~ Lea County New Mexico Phone: 432-563-1800 Fax: 432-563-1713 TRRP Hobbs B-32 Boot Report Format: X Standard Project Name: Project #; ¥04 rozanne@valornet.com 12600 West I-20 East Odessa, Texas 79765 (505) 397-1471 e-mail: Fax No: kpope@riceswd.com Hobbs, New Mexico 88240 RICE Operating Company Sampler Signature: Rozanne Johnson (505)631-8310 Company Address: 122 W. Taylor Street Kristin Farris Pope (505) 393-9174 Project Manager: Company Name Telephone No: City/State/Zip:

Analyze For:	10.5	TOTAL	0	SAR / ESP / CEC Wetals, As Ag Ba Cd Cr Pb Hg 5 Volatiles (BTEX-N 8260) Sentivolatiles BTEX 80218J5030 or BTEX 826 RCI N.O.R.M. Total Dissolved Solids RUSH TAT (Pre-Schedule) 24, 48,	X			Parisonal					M	Labblis on container(s): Custody seals on container(s): An Custody seals on container(s): N		pon Receipt: 7 C
			Matrix B	EA'= Chounterry 5-508/5084 NP-Non-Potable Specification TPH; 7X 1005 7X 1008 TPH; 7X 1005 7X 1008 Anioris (C3, 804, N5, K)	GW X X							Labor	Samp	Time (6:0/	Time Samp	Date Time Temp
			-	None (1) 1 Lifer HDPE Oliher (Specify) Oliher (Specify)	1 G									Date //- 3-04	Date	Date 11 /2 /2/
			Preservation & B of Containers	lce HNO ₃ HCI (2) 40 ml glass vials H ₂ SO ₄	X Z									non		
•				Time Sampled	12:50									rol Alm		Tre Man O. a
1/25/11		.	-	bəlçms2 əjsQ	10/31/2006								Received by:	Repayed by:	Received by ELOT	
	Ser.		-	Beginning Depth				-						Time 7	11.15.	Time
	(V)	ファンス	まっこうプライン	FIELD CODE	Monitor Well #1		:					Special instructions:		dr. Date	of physical	7
	(lab use only		ORDER #:	(Vino ezu dei) # 8A.					1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		を接続	Special in		Relinguisted by	Relinguished by	definquished by

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client: UC 00-			
101610 1511			
Date/ Time: 112104 11-45			
Lab ID#: <u>(KO3O12</u>			
Initials:			,
			•
Sample Receipt	Checklist		
	1		Client Initials
#1 Temperature of container/ cooler?	Yes	No	0.5 °C
#2 Shipping container in good condition?	(\$es)	No	
#3 Custody Seals intact on shipping container/ cooler?	YES	No	Not Present
#4 Custody Seals intact on sample bottles/ container?	Y555	No	Not Present
#5 Chain of Custody present?	Yes	No	
#6 Sample instructions complete of Chain of Custody?	Yes	No	
#7 Chain of Custody signed when relinquished/ received?	¥€\$	No	
#8 Chain of Custody agrees with sample label(s)?	Yeş	No	ID written on Cont./ Lid
#9 Container label(s) legible and intact?	Yes	No	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No	
‡11 Containers supplied by ELOT?	Yes	No	
12 Samples in proper container/ bottle?	Xes	No	See Below
13 Samples properly preserved?	%es	No	See Below
‡14 Sample bottles intact?	Y/es	No	000 00.01
Preservations documented on Chain of Custody?	Xes	· No	
#16 Containers documented on Chain of Custody?	Yes	No	
#17 Sufficient sample amount for indicated test(s)?	CB.	No	See Below
#18 All samples received within sufficient hold time?	Yes	No	See Below
#19 VOC samples have zero headspace?	Yes)	No	Not Applicable
710 VOO CAMPOONAVO ESTO MODOCOPACO.	1 1/03)	1 (40	Not Applicable
Variance Docum	nentation		
Contact: Contacted by;			Date/ Time:
		-	pater tritte.
Regarding:			
Corrective Action Taken:			
			
Check all that Apply: See attached e-mail/ fax			
Client understands and would	d like to prod	ceed with	analysis
Cooling process had begun s			