AP - 58

ANNUAL MONITORING REPORT

YEAR(S): 2007

TRIDENT ENVIRONMENTAL

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March 24, 2008

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RE: **2007 Annual Groundwater Monitoring Report**
BD Santa Rita EOL Release Site (AP-58)
T22S, R37E, Section 27, Unit Letter A
Lea County, New Mexico

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2007 Annual Groundwater Monitoring Report for the BD Santa Rita EOL Release Site located in the Blinebry-Drinkard (BD) Salt Water Disposal (SWD) System.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of pipeline, well, or facility. The BD SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, REM, PG

cc: KFP, JSC

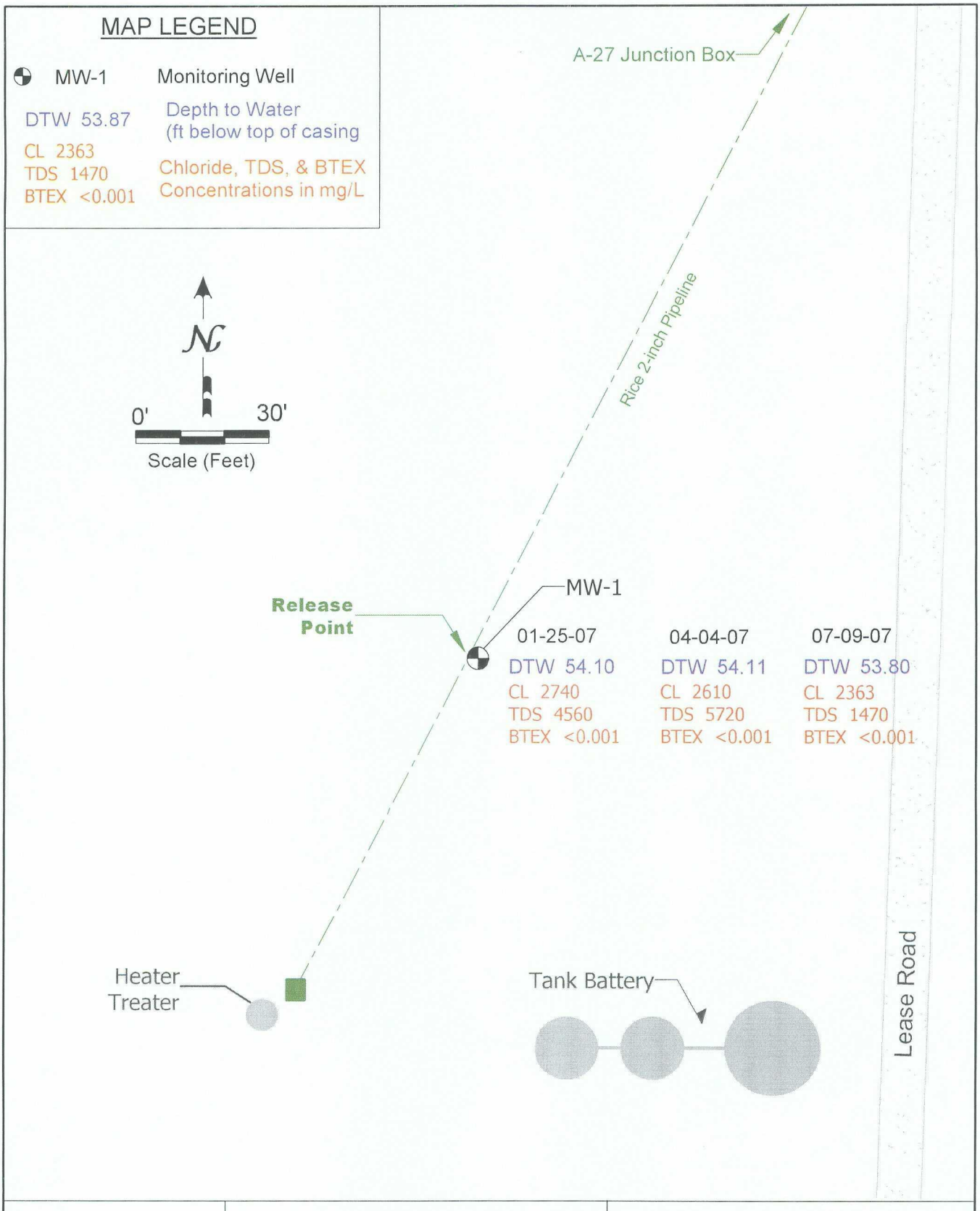
enclosures: maps, table, graphs, laboratory analytical reports, and well sampling data forms

ATTACHMENT A

Site Maps

Table

Graph



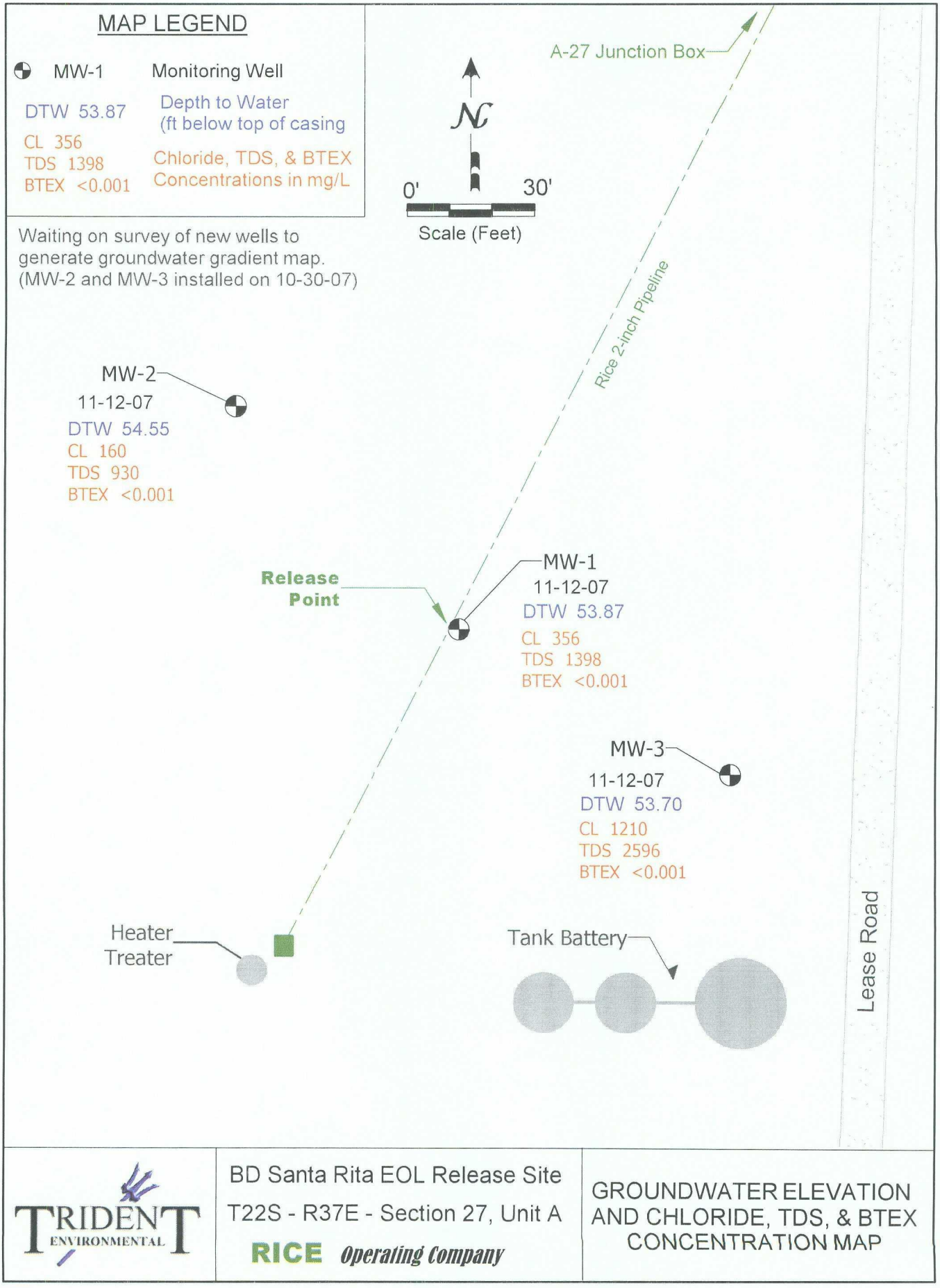
TRIDENT ENVIRONMENTAL

BD Santa Rita EOL Release Site

T22S - R37E - Section 27, Unit A

RICE *Operating Company*

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP



TRIDENT ENVIRONMENTAL

BD Santa Rita EOL Release Site

T22S - R37E - Section 27, Unit A

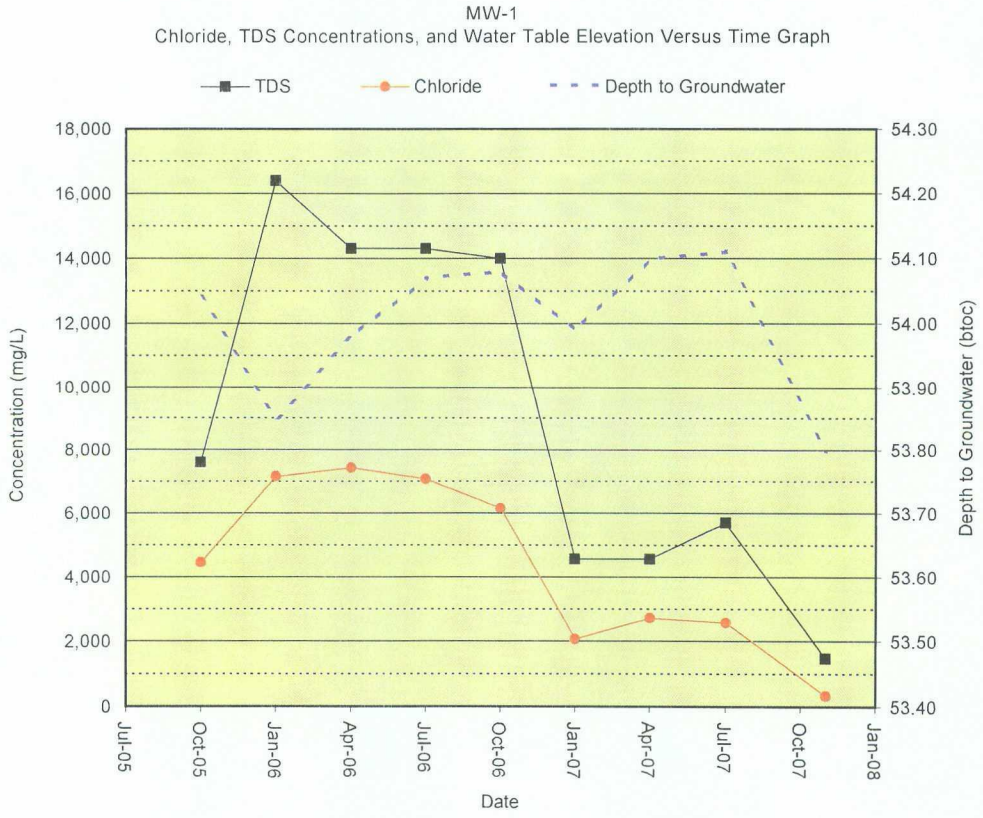
RICE Operating Company

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

Summary of Groundwater Sampling Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Total Depth (feet BTOC)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	09/02/05	54.04	63.58	**4,480**	**7,600**	<0.001	<0.001	<0.001	<0.001
	10/24/05	53.85	63.58	**7,170**	**16,400**	<0.001	<0.001	<0.001	<0.001
	01/23/06	53.98	63.58	**7,450**	**14,300**	<0.001	<0.001	<0.001	<0.001
	04/24/06	54.07	63.58	**7,100**	**14,300**	<0.001	<0.001	<0.001	<0.001
	07/19/06	54.08	63.58	**6,180**	**14,000**	<0.001	<0.001	<0.001	<0.001
	10/11/06	53.99	63.58	**2,100**	**4,560**	<0.001	<0.001	<0.001	<0.001
	01/25/07	54.10	63.58	**2,740**	**4,560**	<0.001	<0.001	<0.001	<0.001
	04/04/07	54.11	63.58	**2,610**	**5,720**	<0.001	<0.001	<0.001	<0.001
	07/09/07	53.80	63.58	**363**	**1,470**	<0.001	<0.001	<0.001	<0.001
	11/12/07	53.87	63.58	**356**	**1,398**	<0.001	<0.001	<0.001	<0.001
MW-2	11/12/07	54.55	62.58	**160**	**930**	<0.001	<0.001	<0.001	<0.003
MW-3	11/12/07	53.70	65.45	**1,210**	**2,596**	<0.001	<0.001	<0.001	<0.003
WQCC Standards				250	1,000	0.01	0.75	0.75	0.62

Total Dissolved Solids (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L)
Analyses performed by Environmental Lab of Texas (Odessa TX) and Cardinal Laboratories (Hobbs NM)
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
BTOC - Below Top of Casing



ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Santa Rita Leak

Project Number: None Given

Location: T22S R37E Sec. 27 A- Lea County, NM

Lab Order Number: 7A29013

Report Date: 02/02/07

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	7A29013-01	Water	01/25/07 09:40	01-29-2007 10:20

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
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 (7A29013-01) Water									
Benzene	ND	0.00100	mg/L	1	EA73103	01/31/07	01/31/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*80-120*	"	"	"	"	

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 (7A29013-01) Water									
Total Alkalinity	**256**	2.00	mg/L	1	EA73003	01/30/07	01/30/07	EPA 310.1M	
Chloride	**2740**	50.0	"	100	EA72918	01/29/07	01/30/07	EPA 300.0	
Total Dissolved Solids	**4560**	10.0	"	1	EA73007	01/29/07	01/30/07	EPA 160.1	
Sulfate	**449**	50.0	"	100	EA72918	01/29/07	01/30/07	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7A29013-01) Water									
Calcium	**382**	20.2	mg/L	250	EA73006	01/30/07	01/31/07	EPA 6010B	
Magnesium	**199**	1.80	"	50	"	"	"	"	
Potassium	**24.0**	0.600	"	10	"	"	"	"	
Sodium	**1120**	10.8	"	250	"	"	"	"	

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

Project: BD Santa Rita Leak
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 EA73103 - EPA 5030C (GC)										
Blank (EA73103-BLK1)				Prepared: 01/31/07 Analyzed: 02/01/07						
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	"							
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/l*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.7*		*"*	*40.0*		*91.8*	*80-120*			
LCS (EA73103-BS1)				Prepared: 01/31/07 Analyzed: 02/01/07						
Benzene	0.0535	0.00100	mg/L	0.0500		107	80-120			
Toluene	0.0516	0.00100	"	0.0500		103	80-120			
Ethylbenzene	0.0473	0.00100	"	0.0500		94.6	80-120			
Xylene (p/m)	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (o)	0.0425	0.00100	"	0.0500		85.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*47.3*		*ug/l*	*40.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.6*		*"*	*40.0*		*114*	*80-120*			
Calibration Check (EA73103-CCV1)				Prepared: 01/31/07 Analyzed: 02/02/07						
Benzene	41.7		ug/l	50.0		83.4	80-120			
Toluene	43.6		"	50.0		87.2	80-120			
Ethylbenzene	48.1		"	50.0		96.2	80-120			
Xylene (p/m)	86.1		"	100		86.1	80-120			
Xylene (o)	42.0		"	50.0		84.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.7*		*"*	*40.0*		*94.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.9*		*"*	*40.0*		*89.8*	*80-120*			
Matrix Spike (EA73103-MS1)	**Source: 7A29015-03**			Prepared: 01/31/07 Analyzed: 02/01/07						
Benzene	0.0446	0.00100	mg/L	0.0500	ND	89.2	80-120			
Toluene	0.0477	0.00100	"	0.0500	ND	95.4	80-120			
Ethylbenzene	0.0492	0.00100	"	0.0500	ND	98.4	80-120			
Xylene (p/m)	0.0953	0.00100	"	0.100	ND	95.3	80-120			
Xylene (o)	0.0427	0.00100	"	0.0500	ND	85.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.7*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.0*		*"*	*40.0*		*115*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Project: BD Santa Rita Leak
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 EA73103 - EPA 5030C (GC)										
Matrix Spike Dup (EA73103-MSD1)	**Source: 7A29015-03**			Prepared: 01/31/07 Analyzed: 02/01/07						
Benzene	0.0456	0.00100	mg/L	0.0500	ND	91.2	80-120	2.22	20	
Toluene	0.0477	0.00100	"	0.0500	ND	95.4	80-120	0.00	20	
Ethylbenzene	0.0467	0.00100	"	0.0500	ND	93.4	80-120	5.21	20	
Xylene (p/m)	0.0930	0.00100	"	0.100	ND	93.0	80-120	2.44	20	
Xylene (o)	0.0407	0.00100	"	0.0500	ND	81.4	80-120	4.80	20	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.1*		*"*	*40.0*		*97.8*	*80-120*			

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	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 EA72918 - General Preparation (WetChem)										
Blank (EA72918-BLK1)				Prepared: 01/29/07 Analyzed: 01/30/07						
Chloride	ND	0.500	mg/L							
Sulfate	0.465	0.500	"							J
LCS (EA72918-BS1)				Prepared: 01/29/07 Analyzed: 01/30/07						
Sulfate	11.9	0.500	mg/L	10.0		119	80-120			
Chloride	11.5	0.500	"	10.0		115	80-120			
Calibration Check (EA72918-CCV1)				Prepared: 01/29/07 Analyzed: 01/30/07						
Chloride	10.8		mg/L	10.0		108	80-120			
Calibration Check (EA72918-CCV2)				Prepared: 01/29/07 Analyzed: 01/30/07						
Chloride	0.00		mg/L	10.0			80-120			
Sulfate	0.00		"	10.0			80-120			
Duplicate (EA72918-DUP1)	**Source: 7A29004-01**			Prepared: 01/29/07 Analyzed: 01/30/07						
Chloride	3250	50.0	mg/L		3270			0.613	20	
Sulfate	529	50.0	"		554			4.62	20	
Duplicate (EA72918-DUP2)	**Source: 7A29015-01**			Prepared: 01/29/07 Analyzed: 01/30/07						
Sulfate	295	25.0	mg/L		292			1.02	20	
Chloride	1610	25.0	"		1610			0.00	20	
Matrix Spike (EA72918-MS1)	**Source: 7A29004-01**			Prepared: 01/29/07 Analyzed: 01/30/07						
Sulfate	1580	50.0	mg/L	1000	554	103	80-120			
Chloride	4220	50.0	"	1000	3270	95.0	80-120			
Matrix Spike (EA72918-MS2)	**Source: 7A29015-01**			Prepared: 01/29/07 Analyzed: 01/30/07						**S-08**
Chloride	2230	25.0	mg/L	500	1610	124	80-120			
Sulfate	851	25.0	"	500	292	112	80-120			

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

Project: BD Santa Rita Leak
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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA73003 - General Preparation (WetChem)										
Blank (EA73003-BLK1)				Prepared & Analyzed: 01/30/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (EA73003-BS1)				Prepared & Analyzed: 01/30/07						
Bicarbonate Alkalinity	184	2.00	mg/L	200		92.0	85-115			
Duplicate (EA73003-DUP1)		**Source: 7A29013-01**		Prepared & Analyzed: 01/30/07						
Total Alkalinity	254	2.00	mg/L		256			0.784	20	
Reference (EA73003-SRM1)				Prepared & Analyzed: 01/30/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			
Batch EA73007 - Filtration Preparation										
Blank (EA73007-BLK1)				Prepared: 01/29/07 Analyzed: 01/30/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EA73007-DUP1)		**Source: 7A29004-01**		Prepared: 01/29/07 Analyzed: 01/30/07						
Total Dissolved Solids	5220	10.0	mg/L		5220			0.00	20	

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

Project: BD Santa Rita Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EA73006 - 6010B/No Digestion										
Blank (EA73006-BLK1)				Prepared: 01/30/07 Analyzed: 01/31/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EA73006-CCV1)				Prepared: 01/30/07 Analyzed: 01/31/07						
Calcium	2.05		mg/L	2.00		102	85-115			
Magnesium	2.13		"	2.00		106	85-115			
Potassium	1.81		"	2.00		90.5	85-115			
Sodium	1.90		"	2.00		95.0	85-115			
Duplicate (EA73006-DUP1)	**Source: 7A29012-01**			Prepared: 01/30/07 Analyzed: 01/31/07						
Calcium	104	4.05	mg/L		102			1.94	20	
Magnesium	44.4	0.360	"		46.5			4.62	20	
Potassium	9.46	0.600	"		10.0			5.55	20	
Sodium	234	2.15	"		239			2.11	20	

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

S-08	Value outside Laboratory historical or method prescribed QC limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
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: Brent Barron Date: 2/2/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope kpope@riceswd.com

Project Name: BD Santa Rita Leak

Company Name: RICE Operating Company

Project #:

Company Address: 122 W. Taylor Street

Project Loc: T22S R37E Sec27 A ~ Lea County New Mexico

City/State/Zip: Hobbs, New Mexico 88240

PO #:

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

(lab use only)
ORDER #: MA29013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: Dw-Drinking Water SL-Sludge	GW-Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	Analyze For: TCLP:	TOTAL:	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			1/25/2007	9:40		3	X		2				1		GW							X	X					X	X						X

Special Instructions:

Please email to : kpope@riceswd.com mfranks@riceswd.com rozanne@valornet.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	1-29-07	6:00	James Johnson	1-29-07	6101
James Johnson	1-29-07	10:20	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				1-29-07	1020

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: -0.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

ient: RICE DP.

ate/ Time: 1/29/07 10:20

ab ID #: 7A29013

itials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	-0.5 °C	
2	Shipping container in good condition?	(Yes)	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
4	Custody Seals intact on sample bottles/ container?	(Yes)	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?	(Yes)	No		
8	Chain of Custody agrees with sample label(s)?	(Yes)	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?	(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?	(Yes)	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	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

ontact: _____ Contacted by: _____ Date/ Time: _____

egarding: _____

orrective Action Taken:

heck all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Santa Rita Leak

Project Number: [none]

Location: T22S R37E Sec27 A ~ Lea County New Mexico

Lab Order Number: 7D05011

Report Date: 04/13/07

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: [none]	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well # 1	7D05011-01	Water	04/04/07 10:05	04-05-2007 13:20

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Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: [none]	
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 (7D05011-01) Water									
Benzene	ND	0.00100	mg/L	1	ED70905	04/09/07	04/09/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.4 %*		*80-120*		"	"	"	

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Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: [none]	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 (7D05011-01) Water									
Total Alkalinity	**280**	2.00	mg/L	1	ED70509	04/05/07	04/06/07	EPA 310.1M	
Chloride	**2610**	50.0	"	100	ED71003	04/10/07	04/10/07	EPA 300.0	
Total Dissolved Solids	**5720**	10.0	"	1	ED71008	04/05/07	04/06/07	EPA 160.1	
Sulfate	**314**	50.0	"	100	ED71003	04/10/07	04/10/07	EPA 300.0	

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Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: [none]	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7D05011-01) Water									
Calcium	**359**	20.2	mg/L	250	ED71313	04/13/07	04/13/07	EPA 6010B	
Magnesium	**174**	1.80	"	50	"	"	"	"	
Potassium	**24.7**	0.600	"	10	"	"	"	"	
Sodium	**1370**	10.8	"	250	"	"	"	"	

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

Project: BD Santa Rita Leak
Project Number: [none]
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 ED70905 - EPA 5030C (GC)										
Blank (ED70905-BLK1)				Prepared & Analyzed: 04/09/07						
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	"							
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/l*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.2*		*"*	*50.0*		*88.4*	*80-120*			
LCS (ED70905-BS1)				Prepared & Analyzed: 04/09/07						
Benzene	0.0494	0.00100	mg/L	0.0500		98.8	80-120			
Toluene	0.0471	0.00100	"	0.0500		94.2	80-120			
Ethylbenzene	0.0476	0.00100	"	0.0500		95.2	80-120			
Xylene (p/m)	0.0904	0.00100	"	0.100		90.4	80-120			
Xylene (o)	0.0502	0.00100	"	0.0500		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/l*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.5*		*"*	*50.0*		*91.0*	*80-120*			
Calibration Check (ED70905-CCV1)				Prepared: 04/09/07 Analyzed: 04/10/07						
Benzene	51.6		ug/l	50.0		103	80-120			
Toluene	49.4		"	50.0		98.8	80-120			
Ethylbenzene	48.1		"	50.0		96.2	80-120			
Xylene (p/m)	86.7		"	100		86.7	80-120			
Xylene (o)	50.0		"	50.0		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*54.6*		*"*	*50.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.8*		*"*	*50.0*		*89.6*	*80-120*			
Matrix Spike (ED70905-MS1)		**Source: 7D05009-01**		Prepared & Analyzed: 04/09/07						
Benzene	0.0510	0.00100	mg/L	0.0500	ND	102	80-120			
Toluene	0.0492	0.00100	"	0.0500	ND	98.4	80-120			
Ethylbenzene	0.0480	0.00100	"	0.0500	ND	96.0	80-120			
Xylene (p/m)	0.0886	0.00100	"	0.100	ND	88.6	80-120			
Xylene (o)	0.0503	0.00100	"	0.0500	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*53.9*		*ug/l*	*50.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.3*		*"*	*50.0*		*86.6*	*80-120*			

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

Project: BD Santa Rita Leak
Project Number: [none]
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 ED70905 - EPA 5030C (GC)										
Matrix Spike Dup (ED70905-MSD1)		**Source: 7D05009-01**		Prepared & Analyzed: 04/09/07						
Benzene	0.0496	0.00100	mg/L	0.0500	ND	99.2	80-120	2.78	20	
Toluene	0.0474	0.00100	"	0.0500	ND	94.8	80-120	3.73	20	
Ethylbenzene	0.0470	0.00100	"	0.0500	ND	94.0	80-120	2.11	20	
Xylene (p/m)	0.0859	0.00100	"	0.100	ND	85.9	80-120	3.09	20	
Xylene (o)	0.0485	0.00100	"	0.0500	ND	97.0	80-120	4.04	20	
Surrogate: a,a,a-Trifluorotoluene	*54.1*		*ug/l*	*50.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.9*		*"*	*50.0*		*85.8*	*80-120*			

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 ED70509 - General Preparation (WetChem)										
Blank (ED70509-BLK1)				Prepared: 04/05/07 Analyzed: 04/06/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (ED70509-BS1)				Prepared: 04/05/07 Analyzed: 04/06/07						
Bicarbonate Alkalinity	178	2.00	mg/L	200		89.0	85-115			
Reference (ED70509-SRM1)				Prepared: 04/05/07 Analyzed: 04/06/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			
Batch ED71003 - General Preparation (WetChem)										
Blank (ED71003-BLK1)				Prepared & Analyzed: 04/10/07						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (ED71003-BS1)				Prepared & Analyzed: 04/10/07						
Chloride	12.0	0.500	mg/L	10.0		120	80-120			
Sulfate	12.0	0.500	"	10.0		120	80-120			
Calibration Check (ED71003-CCV1)				Prepared & Analyzed: 04/10/07						
Chloride	9.00		mg/L	10.0		90.0	80-120			
Sulfate	9.76		"	10.0		97.6	80-120			
Duplicate (ED71003-DUP1)	**Source: 7D05009-01**			Prepared & Analyzed: 04/10/07						
Sulfate	254	25.0	mg/L		287			12.2	20	
Chloride	1590	25.0	"		1640			3.10	20	
Duplicate (ED71003-DUP2)	**Source: 7D05014-05**			Prepared & Analyzed: 04/10/07						
Sulfate	1860	50.0	mg/L		1860			0.00	20	
Chloride	1390	50.0	"		1410			1.43	20	

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

Project: BD Santa Rita Leak
Project Number: [none]
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 ED71003 - General Preparation (WetChem)										
Matrix Spike (ED71003-MS1)	**Source: 7D05009-01**			Prepared & Analyzed: 04/10/07						
Sulfate	721	25.0	mg/L	500	287	86.8	80-120			
Chloride	2080	25.0	"	500	1640	88.0	80-120			
Matrix Spike (ED71003-MS2)	**Source: 7D05014-05**			Prepared & Analyzed: 04/10/07						
Sulfate	2840	50.0	mg/L	1000	1860	98.0	80-120			
Chloride	2480	50.0	"	1000	1410	107	80-120			
Batch ED71008 - General Preparation (WetChem)										
Blank (ED71008-BLK1)				Prepared: 04/05/07 Analyzed: 04/06/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (ED71008-DUP1)	**Source: 7D05009-01**			Prepared: 04/05/07 Analyzed: 04/06/07						
Total Dissolved Solids	3700	10.0	mg/L		3070			18.6	20	

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

Project: BD Santa Rita Leak
Project Number: [none]
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 ED71313 - 6010B/No Digestion										
Blank (ED71313-BLK1)				Prepared & Analyzed: 04/13/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (ED71313-CCV1)				Prepared & Analyzed: 04/13/07						
Calcium	2.00		mg/L	2.00		100	85-115			
Magnesium	2.01		"	2.00		100	85-115			
Potassium	1.93		"	2.00		96.5	85-115			
Sodium	2.07		"	2.00		104	85-115			
Duplicate (ED71313-DUP1)	**Source: 7D05009-01**			Prepared & Analyzed: 04/13/07						
Calcium	329	8.10	mg/L		329			0.00	20	
Magnesium	134	1.80	"		134			0.00	20	
Potassium	14.2	0.600	"		14.0			1.42	20	
Sodium	628	4.30	"		629			0.159	20	

Rice Operating Co.	Project: BD Santa Rita Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: [none]	
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: Brent Barron Date: 4/13/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope kpope@riceswd.com

Project Name: BD Santa Rita Leak

Company Name: RICE Operating Company

Project #:

Company Address: 122 W. Taylor Street

Project Loc: T22S R37E Sec27 A ~ Lea County New Mexico

City/State/Zip: Hobbs, New Mexico 88240

PO #:

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

(lab use only)

ORDER #: 7D05011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX1005 TX1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	TOTAL: BTEX 8021B/5030 X	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
280304																																
01	Monitor Well #1			4/4/2007	10:05		3	X		2				1		GW			X	X					X			X				X

Special Instructions:

Please email to : kpope@riceswd.com matt@riceswd.com rozanne@valornet.com jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	4-5-07	6:00	James Johnson	4-5-07	6:01
Relinquished by: James Johnson	4-5-07	1:20	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea	04-5-07	1:26

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: -2 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 4-5-07 1:20

Lab ID # : 705011

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	2.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	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?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	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?	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?	Yes	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	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 285882

for

Rice Operating Co.

Project Manager: Kristin Pope

BD Santa Rita Lake

30-JUL-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

30-JUL-07

Project Manager: **Kristin Pope**
Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

Reference: XENCO Report No: **285882**
BD Santa Rita Lake
Project Address: T22S R37E S27A Lea County New Mexico

Kristin Pope:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 285882. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 285882 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

Sample Cross Reference 285882

Rice Operating Co., Hobbs, NM

BD Santa Rita Lake

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Monitor Well # 1	W	Jul-09-07 08:45		285882-001

Certificate of Analysis Summary 285882
Rice Operating Co., Hobbs, NM

Project Name: BD Santa Rita Lake

Project Id:
Contact: Kristin Pope
Project Location: T22S R37E S27A Lea County New Mexic

Date Received in Lab: Jul-12-07 03:25 pm
Report Date: 30-JUL-07
Project Manager: Brent Barron, II

Analysis Requested					
	Lab Id:	285882-001			
	Field Id:	Monitor Well # 1			
	Depth:				
	Matrix:	WATER			
	Sampled:	Jul-09-07 08:45			
Alkalinity by EPA 310.1	***Extracted:***				
	Analyzed:	Jul-19-07 16:00			
	Units/RL:	mg/L	RL		
Alkalinity, Total (as CaCO3)		308	4.00		
BTEX by EPA 8021B	***Extracted:***	Jul-18-07 08:00			
	Analyzed:	Jul-18-07 23:17			
	Units/RL:	mg/L	RL		
Benzene		ND	0.0010		
Toluene		ND	0.0010		
Ethylbenzene		ND	0.0010		
m,p-Xylene		ND	0.0020		
o-Xylene		ND	0.0010		
Total Xylenes		ND			
Total BTEX		ND			
Inorganic Anions by EPA 300	***Extracted:***				
	Analyzed:	Jul-18-07 18:08			
	Units/RL:	mg/L	RL		
Chloride		363	10.0		
Sulfate		267	10.0		
Metals per ICP by SW846 6010B	***Extracted:***				
	Analyzed:	Jul-13-07 09:21			
	Units/RL:	mg/L	RL		
Calcium		128	0.100		
Magnesium		80.4	0.010		
Potassium		9.46	0.500		
Sodium		249	0.500		
Residue, Filterable (TDS) by EPA 160.1	***Extracted:***				
	Analyzed:	Jul-13-07 16:35			
	Units/RL:	mg/L	RL		
Total dissolve solids		1470	5.00		

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

Form 2 - Surrogate Recoveries

Project Name: BD Santa Rita Lake

Work Order #: 285882 **Project ID:**

Lab Batch #: 700581 **Sample:** 285882-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0439	0.0500	88	80-120	

Lab Batch #: 700581 **Sample:** 286015-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0421	0.0500	84	80-120	

Lab Batch #: 700581 **Sample:** 286015-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0487	0.0500	97	80-120	

Lab Batch #: 700581 **Sample:** 497352-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0484	0.0500	97	80-120	

Lab Batch #: 700581 **Sample:** 497352-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0470	0.0500	94	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: BD Santa Rita Lake

Work Order #: 285882 **Project ID:**

Lab Batch #: 700766 **Sample:** 700766-1-BKS **Matrix:** Water
Date Analyzed: 07/19/2007 **Date Prepared:** 07/19/2007 **Analyst:** WRU
Reporting Units: mg/L **Batch #:** 1

Alkalinity by EPA 310.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Alkalinity, Total (as CaCO3)	ND	200	180	90	80-120	

Lab Batch #: 700581 **Sample:** 497352-1-BKS **Matrix:** Water
Date Analyzed: 07/18/2007 **Date Prepared:** 07/18/2007 **Analyst:** CELKEE
Reporting Units: mg/L **Batch #:** 1

BTEX by EPA 8021B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Benzene	ND	0.0500	0.0510	102	70-125	
Toluene	ND	0.0500	0.0511	102	70-125	
Ethylbenzene	ND	0.0500	0.0551	110	71-129	
m,p-Xylene	ND	0.1000	0.0989	99	70-131	
o-Xylene	ND	0.0500	0.0523	105	71-133	

Lab Batch #: 700599 **Sample:** 700599-1-BKS **Matrix:** Water
Date Analyzed: 07/18/2007 **Date Prepared:** 07/18/2007 **Analyst:** LATCOR
Reporting Units: mg/L **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Chloride	ND	10.0	10.0	100	90-110	
Sulfate	ND	10.0	10.1	101	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS Recoveries

Project Name: BD Santa Rita Lake

Work Order #: 285882
Lab Batch #: 700599
Date Analyzed: 07/18/2007
QC- Sample ID: 285873-001 S
Reporting Units: mg/L

Date Prepared: 07/18/2007
Batch #: 1

Project ID:
Analyst: LATCOR
Matrix: Water

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	549	250	1060	204	90-110	X
Sulfate	1830	250	2250	168	90-110	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: BD Santa Rita Lake

Work Order # : 285882 **Project ID:**

Lab Batch ID: 700581 **QC- Sample ID:** 286015-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 07/18/2007 **Date Prepared:** 07/18/2007 **Analyst:** CELKEE

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.0500	0.0438	88	0.0500	0.0473	95	8	70-125	25	
Toluene	ND	0.0500	0.0439	88	0.0500	0.0475	95	8	70-125	25	
Ethylbenzene	ND	0.0500	0.0468	94	0.0500	0.0509	102	8	71-129	25	
m,p-Xylene	ND	0.1000	0.0837	84	0.1000	0.0912	91	8	70-131	25	
o-Xylene	ND	0.0500	0.0442	88	0.0500	0.0478	96	9	71-133	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: BD Santa Rita Lake

Work Order #: 285882

Lab Batch #: 700766 **Project ID:**
Date Analyzed: 07/19/2007 **Date Prepared:** 07/19/2007 **Analyst:** WRU
QC- Sample ID: 285882-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Alkalinity by EPA 310.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Alkalinity, Total (as CaCO3)	308	312	1	20	

Lab Batch #: 700599
Date Analyzed: 07/18/2007 **Date Prepared:** 07/18/2007 **Analyst:** LATCOR
QC- Sample ID: 285873-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	549	549	0	20	
Sulfate	1830	1810	1	20	

Lab Batch #: 700406
Date Analyzed: 07/13/2007 **Date Prepared:** 07/13/2007 **Analyst:** LATCOR
QC- Sample ID: 285748-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Metals per ICP by SW846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Calcium	139	139	0	25	
Magnesium	ND	32.6	NC	25	
Potassium	5.09	4.54	11	25	
Sodium	106	104	2	25	

Lab Batch #: 700387
Date Analyzed: 07/13/2007 **Date Prepared:** 07/13/2007 **Analyst:** LATCOR
QC- Sample ID: 285882-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Residue, Filterable (TDS) by EPA 160.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolve solids	1470	1430	3	30	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope Kpope@riceswd.com
Company Name: RICE Operating Company
Company Address: 122 W. Taylor Street
City/State/Zip: Hobbs, New Mexico 88240
Telephone No. (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson e-mail: rozanne@valornet.com

Project Name: BD Santa Rita Leak
Project #:
Project Loc: T22S R37E S27A Lea County New Mexico
PO #:
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 285882

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40ml VOA	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: GW-Drinking Water SL-Sludge SW-Surface Water SOL-Soil NP-Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	TCLP: TOTAL: Total Dissolved Solids	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			7-9-07	8:45		3			2				1		W			X	X					X			X			X

Special Instructions:
Please email to: Kpope@riceswd.com matt@riceswd.com
jpurvis@riceswd.com rozanne@valornet.com

	Date	Time		Date	Time
Relinquished by: Rozanne Johnson	7-12-07	12:30	Received by:	7-12-07	12:31
Relinquished by:	7-12	3:25	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	7-12-07	3:25

Laboratory Comments:
Sample Containers Intact? N
VOCs Free of Headspace? N
Labels on container(s) N
Custody seals on container(s) N
Custody seals on cooler(s) N
Sample Hand Delivered by Sampler/Client Rep ? N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: -.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 7-12-07 3:25

Lab ID # : 285882

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	-.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	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?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	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?	(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?	(Yes)	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	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/13/07
Reporting Date: 11/20/07
Project Number: NOT GIVEN
Project Name: BD SANTA RITA LEAK
Project Location: T22S R37E SEC27 A - LEA COUNTY, NM

Sampling Date: 11/12/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		11/14/07	11/14/07	11/14/07	11/14/07
H13699-1	MONITOR WELL # 1	<0.001	<0.001	<0.001	<0.003
H13699-2	MONITOR WELL # 2	<0.001	<0.001	<0.001	<0.003
H13699-3	MONITOR WELL # 3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.102	0.092	0.095	0.293
True Value QC		0.100	0.100	0.100	0.300
% Recovery		102	92	95	98
Relative Percent Difference		2.4	0.4	1.0	1.5

METHOD: EPA SW-846 8021B

Chemist

11/20/07
Date

H13699b Rice

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/13/07
Reporting Date: 11/19/07
Project Number: NOT GIVEN
Project Name: BD SANTA RITA LEAK
Project Location: T22S R37E SEC27 A~LEA COUNTY, NM

Sampling Date: 11/12/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		11/19/07	11/19/07	11/19/07	11/19/07	11/14/07	11/14/07
H13699-1	MONITOR WELL #1	288	79.8	72.6	11.3	2,250	292
H13699-2	MONITOR WELL #2	136	62.5	58.1	10.6	1,460	212
H13699-3	MONITOR WELL #3	497	210	147	13.0	4,630	184
Quality Control		NR	49.2	51.6	2.95	1,415	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	103	98.3	100	NR
Relative Percent Difference		NR	< 0.1	1.5	5.0	0.1	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		11/15/07	11/19/07	11/14/07	11/14/07	11/14/07	11/15/07
H13699-1	MONITOR WELL #1	356	331	0	356	7.50	1,398
H13699-2	MONITOR WELL #2	160	257	0	259	7.74	930
H13699-3	MONITOR WELL #3	1,210	326	0	224	7.42	2,596
Quality Control		500	22.8	NR	988	6.95	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	91.1	NR	98.8	99.3	NR
Relative Percent Difference		< 0.1	6.3	NR	1.2	0.7	NR
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Kristin Farris-Pope
Chemist

11/19/07
Date

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company PO#
Project Manager: Kristin Farris-Pope, Project Scientist	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (505) 393-9174 Fax#: (505)397-1471
Phone #: (505) 393-9174	Fax #: (505) 397-1471
Project #:	Project Name: BD Santa Rita Leak
Project Location: T22S R37E Sec27 A ~ Lea County New Mexico	Sampler Signature: Rozanne Johnson (505)631-9310 rozanne@valornet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME
H13699-1	Monitor Well #1	G	3	X				2				1		11-12	9:10
2	Monitor Well #2	G	3	X				2				1		11-12	10:00
3	Monitor Well #3	G	3	X				2				1		11-12	1055

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
	X																X	X	X		
	X																X	X	X		
	X																X	X	X		

Relinquished by: Rozanne Johnson	Date: 11-13-2007	Time: 2:05	Received by:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Date: 11-13-07 Time: 2:05

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes [X] No [ ] Intact: Yes [X] No [ ]

CHECKED BY: (Initials) CDK

Phone Results		Yes		No
Fax Results		Yes		No Additional Fax Number:

REMARKS:

Email Results to: kpope@riceswd.com
lweinheimer@riceswd.com
rozanne@valornet.com

ATTACHMENT C

Well Sampling Data Forms

ATTACHMENT C

Well Sampling Data Forms

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: BD DATE: January 25, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☑ Hand Bailed ☐ Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 63.58 Feet
DEPTH TO WATER: 54.10 Feet
HEIGHT OF WATER COLUMN: 9.48 Feet
WELL VOLUME: 1.5 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
9:40	18.5	8.38	7.17	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: BD DATE: April 4, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☑ Hand Bailed ☐ Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 63.58 Feet

DEPTH TO WATER: 54.11 Feet

HEIGHT OF WATER COLUMN: 9.47 Feet 2 In. Well Diameter

WELL VOLUME: 1.5 Gal. 5.5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
10:05	20.2	9.15	7.15	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: BD DATE: July 9, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☑ Hand Bailed ☐ Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 63.58 Feet

DEPTH TO WATER: 53.80 Feet

HEIGHT OF WATER COLUMN: 9.78 Feet

WELL VOLUME: 1.6 Gal.

2 In. Well Diameter

6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
8:45	20.8	2.53	7.13	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Conductivity has changed since the last sampling event.

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: BD DATE: November 12, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 63.58 Feet

DEPTH TO WATER: 53.87 Feet

HEIGHT OF WATER COLUMN: 9.71 Feet

WELL VOLUME: 1.6 Gal.

2 In. Well Diameter

6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
9:10	20.3	2.17	7.52	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: BD DATE: November 12, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 62.58 Feet

DEPTH TO WATER: 54.55 Feet

HEIGHT OF WATER COLUMN: 8.03 Feet

WELL VOLUME: 1.3 Gal.

2 In. Well Diameter

6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
10:00	20.4	1.39	7.74	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: BD DATE: November 12, 2007

SITE LOCATION: Santa Rita SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 65.45 Feet

DEPTH TO WATER: 53.70 Feet

HEIGHT OF WATER COLUMN: 11.75 Feet

WELL VOLUME: 1.9 Gal.

2 In. Well Diameter

6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
10:55	20.4	4.35	7.45	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.