# 1R-426-37

# 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

RE:

2006 Annual Ground Water Monitoring Report

Jct. N-29, Sec 29, T21S, R37E, Unit "N"

NMOCD Case #: 1R0426-37

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the Jct. N-29 site located in the BD 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 Final Closure Report will be submitted to NMOCD by February 26, 2007.

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

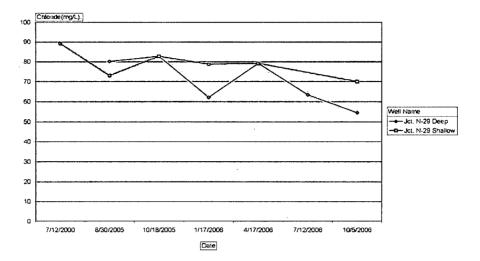
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Date		DTW (ft)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	TDS (mg/L) Benzene (ug/L)	Toluene (ug/L)		EthylBenzene (ug/L) Total Xylenes (ug/L) Comments	Comments
8/30/2005		89.20	80.2	170	764	<0.001	<0.001	<0.001	<0.001	
10/18/2005		XX	82.8	86.3	992	<0.001	<0.001	<0.001	<0.001	
1/17/2006		89.10	62.2	111	420	<0.001	<0.001	<0.001	<0.001	
4/17/2006		89.94	79.2	80.4	584	<0.001	<0.001	<0.001	<0.001	
7/12/2006		88.20	63.4	113	552	<0.001	<0.001	<0.001	<0.001	
10/5/2006	1	88.90	54.5	92.7	520	<0.001	<0.001	<0.001	<0.001	Clear with no odor
	11	77.00.00							M2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
7/12/2000		89.17	89.2	118	566	<0.001	<0.001	<0.001	<0.001	
8/30/2005		89.50	73.1	91.9	290	<0.001	<0.001	<0.001	<0.001	
10/18/2005		89.90	82.8	179	992	<0.001	<0.001	<0.001	<0.001	
1/17/2006		89.30	78.8	86.3	454	<0.001	<0.001	<0.001	<0.001	
4/17/2006	l	89.42	79.2	80.4	584	<0.001	<0.001	<0.001	<0.001	
10/5/2006		89.11	70.1	87.2	534	<0.001	<0.001	<0.001	<0.001	Clear with no odor
								manus.		

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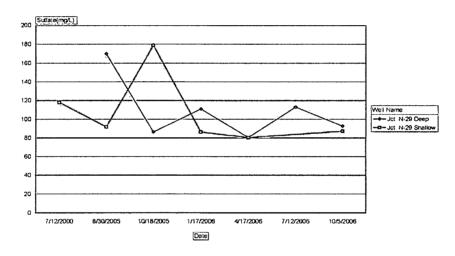
#### Site Name Jct N-29

#### Chloride Over Time



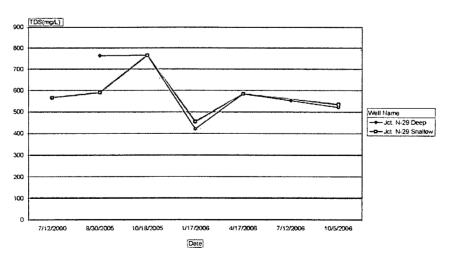
#### Ste Name Jct N-29

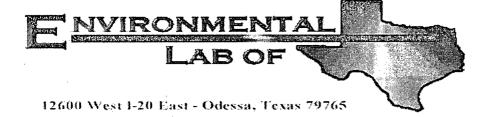
#### Sulfate Over Time



#### Site Name Jct. N-29

#### TDS Over Time





# Analytical Report

#### Prepared for:

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

Project: BD Jct. N-29

Project Number: None Given

Location: Lea County

Lab Order Number: 6A19008

Report Date: 01/30/06

Project: BD Jct. N-29

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

Fax: (505) 397-1471

Reported: 01/30/06 09:33

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6A19008-01	Water	01/17/06 11:00	01/19/06 11:10
Monitor Well #2- Shallow	6A19008-02	Water	01/17/06 09:35	01/19/06 11:10

Rice Operating Co.Project:BD Jct. N-29Fax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope01/30/06 09:33

#### Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A19008-01) Water				Ditution	Dateil	Trepared	Analyzeu	Wellou	Notes
Benzene	ND	0.00100	mg/L	1	EA62304	01/23/06	01/24/06	EPA 8021B	
Toluene	ND	0.00100	D	**	0 .	n ·			
Ethylbenzene	ND	0.00100	•		n	*1	ч	**	
Xylene (p/m)	ND	0.00100	n	**	**	н	15	*	
Xylene (o)	ND	0.00100		**	и	н	u	9	
Surrogate: a,a,a-Trifluorotoluene		89.5 %	80-12	20	"	"	. "	**	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-12	20	"	"	"	"	
Monitor Well #2- Shallow (6A19008-02)	Water								
Benzene	ND	0.00100	mg/L	1	EA62304	01/23/06	01/24/06	EPA 8021B	
Toluene	ND	0.00100	н		**	**	u	н	
Ethylbenzene	ND	0.00100		. "	n	n	**	and "	
Xylene (p/m)	ND	0.00100	ii .	"			H	u	
Xylene (o)	ND	0.00100	11	11	n	Ð	41		
Surrogate: a,a,a-Trifluorotoluene		90.5 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-12	20	p	"	"	**	

Project Number: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 01/30/06 09:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Monitor Well #1 (6A19008-01) Wate	er							•	
Total Alkalinity	204	2.00	mg/L	· 1	EA62406	01/26/06	01/26/06	EPA 310.1M	
Chloride	62.2	5.00	"	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Total Dissolved Solids	420	5.00	"	1	EA62307	01/19/06	01/20/06	EPA 160.1	
Sulfate	111	5.00	п	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Monitor Well #2- Shallow (6A19008	-02) Water								
Total Alkalinity	187	2.00	mg/L	1	EA62406	01/26/06	01/26/06	EPA 310.1M	
Chloride	78.8	5.00	n	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Total Dissolved Solids	454	5.00	**	i	EA62307	01/19/06	01/20/06	EPA 160.1	*
Sulfate	86.3	5.00	**	10	EA62018	01/20/06	01/20/06	EPA 300.0	

Project Number: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
01/30/06 09:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A19008-01) Water									
Calcium	30.3	0.100	mg/L	10	EA62615	01/26/06	01/26/06	EPA 6010B	
Magnesium	18.0	0.0100		11	n	**	* и	н	
Potassium	9.30	0.500		н		*		n.	
Sødium	116	0.500	п	50	н	**	"	н	
Monitor Well #2- Shallow (6A19008-02	) Water								
Calcium	53.2	0.100	mg/L	10	EA62615	01/26/06	01/26/06	EPA 6010B	
Magnesium	24.1	0.0100	**	н		n	н	н	-
Potassium	4.64	0.500		*	"	**	v		
Sodium	71.8	0.100		H		**	n	11	

Project: BD Jct. N-29

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

Fax: (505) 397-1471

Reported: 01/30/06 09:33

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

,		Reporting		Spike	Source		%REC	n==	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EA62304 - EPA 5030C (GC)										
Blank (EA62304-BLK1)				Prepared &	Analyzed:	01/23/06				
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	**							
Surrogate: a,a,a-Trifluorotoluene	37.5		ug/l	40.0		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	32.6		"	40.0		81.5	80-120			
LCS (EA62304-BS1)				Prepared &	Analyzed:	01/23/06				
Benzene	0.0461	0.00100	mg/L	0.0500		92.2	80-120			-
Toluene	0.0462	0.00100	**	0.0500		92.4	80-120			
Ethylbenzene	0.0427	0.00100	u	0.0500		85.4	80-120			
Xylene (p/m)	0.0846	0.00100	н	0.100		84.6	80-120			
Xylene (o)	0.0451	0.00100	"	0.0500		90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.5		ug/l	40.0		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.9		"	40.0		94.8	80-120			
Calibration Check (EA62304-CCV1)				Prepared &	Analyzed:	01/23/06				
Benzene	44.4		ug/l	50.0		88.88	80-120			
Toluene	45.2		11	50.0		90.4	80-120			
Ethylbenzene	42.5		и	50.0		85.0	80-120			
Xylene (p/m)	83.1		п	100		83.1	80-120			
Xylene (o)	44.5		**	50.0		89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.8		"	40.0		89.5	80-120			
Surrogate: 4-Bromofluorobenzene	35.5		"	40.0		88.8	80-120			
Matrix Spike (EA62304-MS1)	Sou	ırce: 6A20019-	-01	Prepared &	. Analyzed:	01/23/06				
Benzene	0.0455	0.00100	mg/L	0.0500	ND	91.0	80-120			
Toluene	0.0452	0.00100		0.0500	ND	90.4	80-120			
Ethylbenzene	0.0417	0.00100	11	0.0500	ND	83,4	80-120			
Xylene (p/m)	0.0829	0.00100	"	0.100	ND	82.9	80-120			
Xylene (o)	0.0445	0.00100	n	0.0500	ND	89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.2		ug/l	40.0		95.5	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			

Rice Operating Co.

Project: BD Jct. N-29

122 W. Taylor

Hobbs NM, 88240

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 01/30/06 09:33

#### 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 EA62304 - EPA 5030C (GC)									·	
Matrix Spike Dup (EA62304-MSD1)	Sour	ce: 6A20019-	01	Prepared &	Analyzed:	01/23/06				
Benzene	0.0427	0.00100	mg/L	0.0500	ND	85.4	80-120	6.35	20	
Toluene	0.0428	0.00100	и	0.0500	ND	85.6	80-120	5.45	20	
Ethylbenzene	0.0404	0.00100		0.0500	ND	80.8	80-120	3.17	20	
Xylene (p/m)	0.0802	0.00100	"	0.100	ND	80.2	80-120	3.31	20	
Xylene (o)	0.0427	0.00100	ıı	0.0500	ND	85,4	80-120	4.13	20	
Surrogate: a,a,a-Trifluorotoluene	37.2		ug/l	40.0		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	35.4		"	40.0		88.5	80-120			

Project: BD Jct. N-29

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

Fax: (505) 397-1471

Reported: 01/30/06 09:33

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

				6.3			A/DEC		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA62018 - General Preparation (										
· · · · · · · · · · · · · · · · · · ·	wetchem)			<del></del>						
Biank (EA62018-BLK1)				Prepared &	Analyzed:	01/20/06				
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EA62018-BS1)				Prepared &	Analyzed:	01/20/06				
Chloride	8.74		mg/L	10.0		87.4	80-120			
Sulfate	9.62		n	10.0		96.2	80-120			
Calibration Check (EA62018-CCV1)				Prepared &	Analyzed:	01/20/06				
Sulfate	9.77		mg/L	10.0		97.7	80-120			
Chloride	8.88		"	10.0		88.8	80-120			
Duplicate (EA62018-DUP1)	Sou	rce: 6A19008-	01	Prepared &	Analyzed:	01/20/06				
Sulfate	110	5,00	mg/L		111			0.905	20	
Chloride :	61.5	5.00	"		62.2			1.13	20	
Batch EA62307 - General Preparation (	WetChem)									
Blank (EA62307-BLK1)				Prepared:	01/19/06 A	nalyzed: 01	/20/06			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EA62307-DUP1)	Sou	rce: 6A19005-	-01	Prepared: 01/19/06 Analyzed: 01/20/06						
Total Dissolved Solids	2400	5.00	mg/L		2480			3.28	5	
Batch EA62406 - General Preparation (	WetChem)									
Blank (EA62406-BLK1)				Prepared &	Analyzed:	01/26/06				
Total Alkalinity	ND	2.00	mg/L							

Project: BD Jct. N-29

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:** 01/30/06 09:33

#### 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 EA62406 - General Preparatio	n (WetChem)									
LCS (EA62406-BS1)				Prepared &	Analyzed:	01/26/06				
Bicarbonate Alkalinity	220		mg/L	200		110	85-115			
Duplicate (EA62406-DUP1)	Sour	ce: 6A19005-	01	Prepared &	Analyzed:	01/26/06				
Total Alkalinity	258	2.00	mg/L		256			0.778	20	
Reference (EA62406-SRM1)				Prepared &	Analyzed:	01/26/06				
Total Alkalinity	97.0		mg/L	100		97.0	90-110			

Project: BD Jct. N-29

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

Fax: (505) 397-1471

**Reported:** 01/30/06 09:33

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

Алајуте	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA62615 - 6010B/No Digestion										
Blank (EA62615-BLK1)				Prepared &	Analyzed:	01/26/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	H							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	u u							
Calibration Check (EA62615-CCV1)				Prepared &	Analyzed:	01/26/06				
Calcium	2.12		mg/L	2.00		106	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	1.88		**	2.00		94.0	85-115			
Sodium	1.94		ıı	2.00		97.0	85-115			
Duplicate (EA62615-DUP1)	Sou	rce: 6A19005-	01	Prepared &	Analyzed:	01/26/06				
Calcium	224	0.500	mg/L		222			0.897	20	
Magnesium	115	0.0500	n		120			4.26	20	
Potassium	14.6	0.500	n		15.2			4.03	20	
Sodium	306	0.500			313			2.26	20	

Rice Operating Co.Project:BD Jct. N-29Fax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope01/30/06 09:33

#### **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	KJuns	

Date: 1/30/2006

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

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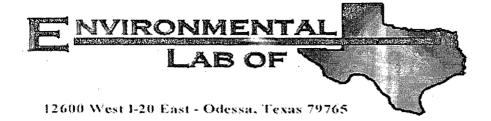
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Mane	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/state/Zip; Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310	ű.	1	-	2.8211.22811.415.	Ž	ž		77.	1, 7,	-				_	: <i>:</i>		14	1	1	)
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# Environmental Lab of Texas Variance / Corrective Action Report — Sample Log-In

Client: C(to Do-				
Onsite		•		
Date/Time: 119 00 11-10				•
Order#: VAIGOS				
Initials: (K				
Sample Receipt	Checkli	st		
Temperature of container/cooler?	Yes	oir	-2.0 CI	
Shipping container/cooler in good condition?	YES	No		
Custody Seals intact on shipping container/cooler?	¥es I	No	Not present	
Custody Seals intact on sample bottles?	\(∂s	No	Not present	
Chain of custody present?	Y€9 I	No		
Sample Instructions complete on Chain of Custody?	YES)	No		
Chain of Custody signed when relinquished and received?	YES	Nic		
Chain of custody agrees with sample label(s)	Yas,	No		
Container lebels legible and intact?	YES, I	No		
Sample Matrix and properties same as on chain of custody?	Υ <del>E</del> s.	No		
Samples in procer container/bottle?	Y€S	Nio		
Samples properly preserved?	(Ves)	No		
Sample bottles intact?	VES 1	No		
Preservations documented on Chain of Custody?	Xes	No		
Containers documented on Chain of Custody?	Zes	No		
Sufficient sample amount for indicated test?	<del>}/e,</del> \$	No		
All samples received within sufficient hold time?	/(€s	No		
VOC samples have zero headspace?	Yes, I	No	Not Applicable	
Other coservations:				
Samples not trocen				
				<i>i f</i>
Variance Docur	mantatia		i	
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Centact Person: Date/Time:			. Contacted by:	
Regarding:				
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Corrective Action Taken:				
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### Analytical Report

#### Prepared for:

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

Project: BD Jct. N-29
Project Number: None Given
Location: Lea County

Lab Order Number: 6D20005

Report Date: 05/01/06

Project Number: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/01/06 11:42

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1- Deep	6D20005-01	Water	04/17/06 14:10	04/20/06 15:05
Monitor Well #2- Shallow	6D20005-02	Water	04/17/06 15:25	04/20/06 15:05

Project: BD Jct. N-29
Project Number: None Given

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

Fax: (505) 397-1471

Reported: 05/01/06 11:42

# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Wa	ter								
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	" _	**	n	n	. н	"	
Ethylbenzene	ND	0.00100			υ,	n	**	"	
Xylene (p/m)	ND	0.00100	D	п	U	ч	n,	**	
Xylene (o)	ND	0.00100	n	11	**	"	,,	**	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	80-12	20	"	"	"	n	
Surrogate: 4-Bromofluorobenzene		102 %	80-12	20	"	<b>"</b>	"	н	
Monitor Well #2- Shallow (6D20005-02)	Water								
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	**	"	"	"	
Ethylbenzene	ND	0.00100	**		н	,,	н	*	
Xylene (p/m)	ND	0.00100	**		u	It	н	0	
Xylene (o)	ND	0.00100	**	"	#	n	"	u	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	80-12	20	"	"	,	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-12	20	"	"	"	"	

Project Number: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

**Reported:** 05/01/06 11:42

Fax: (505) 397-1471

eneral Chemistry Parameters by EPA / Star

#### 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- Deep (6D20005-01) Wa	ter								
Total Alkalinity	198	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	55.9	5,00		10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	502	5.00	o o	i	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	86.4	5.00		10	ED62120	04/24/06	04/24/06	EPA 300.0	
Monitor Well #2- Shallow (6D20005-02)	Water								
Total Alkalinity	188	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	79.2	5.00		10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	584	5.00	**	1	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	80.4	5.00	*	10	ED62120	04/24/06	04/24/06	EPA 300.0	

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

Fax: (505) 397-1471

Reported: 05/01/06 11:42

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

, Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Wa	ter						<del></del> -		
Calcium	28.8	0.100	mg/L	10	ED62106	04/21/06	04/21/06	EPA 6010B	
Magnesium	13.4	0.0100	**	п	"	n	**	**	
Potassium	10.0	0.500	,,	ir	11	**	*	н	
Sodium	122	0.500	"	50	D	n	n	п	
Monitor Well #2- Shallow (6D20005-02) V	Vater							•	
Calcium	49.9	0.100	mg/L	10	ED62106	04/21/06	04/21/06	EPA 6010B	· · ·
Magnesium	24.2	0.0100	н	n		"	n	"	
Potassium	5.20	0.500	,,		н	n	"	**	
Sodium	80.1	0.500	п	50		n	"	и	

Rice Operating Co.Project:BD Jct. N-29Fax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/01/06 11:42

#### 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 ED62105 - EPA 5030C (GC)	, result									
Blank (ED62105-BLK1)				Prepared &	Analyzed	04/21/06	·-··			
Benzene	ND	0.00100	mg/L	1 Tepaseu &	amaryzeu.	04/21/00				
Toluene	ND ND	0.00100	mg/L							
Ethylbenzene	ND ND	0.00100	**							
Xylene (p/m)	ND ND	0.00100								
Xylene (p/m) Xylene (o)	ND ND	0.00100	,,							
Surrogate: a,a,a-Trifluorotoluene	42.2		ug/l	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	42.2 44.5		ug/i	40.0		111	80-120			
rogaicDromojiaorovenzene	77.5			70.0		111	00-120			
LCS (ED62105-BS1)				Prepared &	Analyzed	04/21/06				
Benzene	0.0477	0.00100	mg/L	0.0500		95.4	80-120			
Toluene	0.0506	0.00100	**	0.0500		101	80-120			
Ethylbenzene	0.0523	0.00100	•	0.0500		105	80-120			
Xylene (p/m)	0.117	0.00100	**	0.100		117	80-120			
Xylene (o)	0.0580	0.00100	н	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.5		ug/l	40.0		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	80-120			
Calibration Check (ED62105-CCV1)				Prepared: 0	4/21/06 Ai	nalyzed: 04	/23/06			
Benzene	. 54.3		ug/l	50.0		109	80-120			
Toluene	53.4		er e	50.0		107	80-120			
Ethylbenzene	57.0		,,	50.0		114	80-120			
Xylene (p/m)	115		**	100		115	80-120			
Xylene (o)	56.7		n	50.0		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.8		"	40.0	· ·-	87.0	80-120			
Surrogate: 4-Bromofluorobenzene	37.6		"	40.0		94.0	80-120			
Matrix Spike (ED62105-MS1)	Sou	rce: 6D17002-	02	Prepared &	Analyzed:	04/21/06				
Benzene	0.0508	0.00100	mg/L	0.0500	ND	102	80-120			
Toluene	0.0537	0.00100	,,	0.0500	ND	107	80-120			
Ethylbenzene	0.0579	0.00100		0.0500	ND	116	80-120			
Xylene (p/m)	0.120	0.00100	**	0.100	ND	120	80-120			
Xylene (o)	0.0581	0.00100	·	0.0500	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	47.3		"	40.0		118	80-120			

Xylene (p/m)

Surrogate: a,a,a-Trifluorotoluene

Xylene (o)

Project: BD Jct. N-29

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

Fax: (505) 397-1471

**Reported:** 05/01/06 11:42

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Limit	Notes
Batch ED62105 - EPA 5030C (GC)										
Matrix Spike Dup (ED62105-MSD1)	Sour	rce: 6D17002	-02	Prepared &	Analyzed:	04/21/06				
Benzene	0.0514	0.00100	· mg/L	0.0500	ND	103	80-120	0.976	20	
Toluene ,	0.0540	0.00100	**	0.0500	ND	108	80-120	0.930	20	
Ethylbenzene	0.0567	0.00100	*1	0.0500	ND	113	80-120	2.62	20	

ug/l

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40.0

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80-120

0.837

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Surrogate: 4-Bromofluorobenzene 45.9 " 40.0 115 80-120 ...

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Project: BD Jct. N-29

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

Fax: (505) 397-1471

Reported: 05/01/06 11:42

#### 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 ED62120 - General Preparation (V	VetChem)							-1.2		
Blank (ED62120-BLK1)				Prepared &	Analyzed:	04/24/06				
Sulfate	ND	0.500	mg/L	,						
Chloride	ND	0.500	4				-			
LCS (ED62120-BS1)				Prepared &	Analyzed:	04/24/06				
Sulfate	8.76		mg/L	10.0		87.6	80-120			
Chloride	9.01		11	10.0		90.1	80-120			
Calibration Check (ED62120-CCV1)				Prepared &	Analyzed:					
Sulfate	9,38		mg/L	10.0		93.8	80-120			
Chloride	9.40		"	10.0		94.0	80-120			
Duplicate (ED62120-DUP1)	Sou	rce: 6D20005-	01	Prepared &	Analyzed:	04/24/06				
Sulfate	86.7	5.00	mg/L		86.4			0.347	20	
Chloride	56.7	5.00	11		55.9			1.42	20	
Batch ED62402 - General Preparation (V	WetChem)									
Blank (ED62402-BLK1)				Prepared &	Analyzed:	04/25/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (ED62402-BS1)				Prepared &	Analyzed:	04/25/06				
Bicarbonate Alkalinity	214	2.00	mg/L	200		107	85-115			
Duplicate (ED62402-DUP1)	Sou	rce: 6D20005-	01	Prepared &	Analyzed:	04/25/06				
Total Alkalinity	197	2.00	mg/L		198			0.506	20	
Reference (ED62402-SRM1)				Prepared &	k Analyzed:	04/25/06				
Total Alkalinity	97.0		mg/L	100		97.0	90-110			

Project: BD Jct. N-29

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

Fax: (505) 397-1471

**Reported:** 05/01/06 11:42

# 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 ED62405 - Filtration Preparation									•	
Blank (ED62405-BLK1)				Prepared: 0	04/20/06	Analyzed: 04	/21/06			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (ED62405-DUP1)	Sou	rce: 6D20006-	-01	Prepared: 0	04/20/06	Analyzed: 04	/21/06			
Total Dissolved Solids	2390	5.00	mg/L		2290			4.27	5	

Project: BD Jct. N-29

Fax: (505) 397-1471

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

Reported: 05/01/06 11:42

#### 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 ED62106 - 6010B/No Digestion										
Blank (ED62106-BLK1)		<del></del>		Prepared &	Analyzed:	04/21/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	o o							
Potassium	ND	0.0500	**							
Sodium	ND	0.0100	n							
Calibration Check (ED62106-CCV1)				Prepared &	: Analyzed:	04/21/06				
Calcium	1.98		mg/L	2.00		99.0	85-115	_		
Magnesium	2.10			2.00		105	85-115			
Potassium	2.06		**	2.00		103	85-115			
Sodium	2.06		Ħ	2.00		103	85-115		ė	
Duplicate (ED62106-DUP1)	Sou	rce: 6D20005-	01	Prepared &	: Analyzed:	04/21/06				
Calcium	₹ 25.1	0.100	mg/L		28.8			13.7	20	
Magnesium	15.9	0.0100	**		13.4			17.1	20	
Potassium	8.87	0.500	n		10.0			12.0	20	
Sodium	122	0.500			122			0.00	20	

Rice Operating Co.Project:BD Jct. N-29Fax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/01/06 11:42

#### 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

	Kaland KJulia		
Report Approved By:		Date:	5/1/2006

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

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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

12600 West I-20 East Odessa, Texas 79765

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

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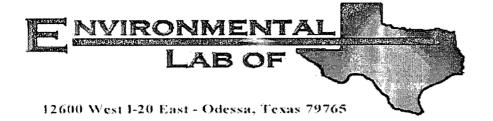
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Project Name: BD Jct. N-29	5	Project Loc:						9	1001 8001 M8108 1.814:H9T												Time	Date Time
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Project Manager: Kristin Farris Pope	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/State/Zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310	ů	Ü			ξ	Σ					_				`	M A	
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#### Environmental Lab of Texas Variance / Corrective Action Report — Sample Log-In

Client: <u>Dice Op</u>				
Date/Time: 4/2000 15:05				
Order #: 1002005				
nitials:				
Sample Receipt	Checkli	st		
emperature of container/cooler?	Yes	No	2.5 01	
hipping container/cooler in good condition?	(es l	No		
lustody Seals intact on shipping container/cooler?	(XBS )	No	Not present	
iustody Seals intact on sample bottles?	100	No	Not present	
hain of custody present?	馋	No		
ample Instructions complete on Chain of Custody?	Yes	No		
hain of Custody signed when relinquished and received?	TES !	No		
hain of custody agrees with sample label(s)	Y 699	No		
ontainer labels legible and intact?		No		
ample Matrix and properties same as on chain of custody?	1	No		
amples in proper container/bottle?	YES	No		
amples properly preserved?	Yes	No		
ample bottles intact?		No		
reservations documented on Chain of Custody?	(ES	No		
ontainers documented on Chain of Custody?	(5)			
ufficient sample amount for indicated test?	X25	No		
Il samples received within sufficient hold time?		No		
	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	No		
OC samples have zero headspace?	रिटेंड	No	Not Applicable 1	
Variance Documentact Person: Date/Time:egarding:		<del></del>		
orrective Action Taken:				
	*			<del></del>



### Analytical Report

#### Prepared for:

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

Project: BD Jct. N-29

Project Number: None Given

Location: T21S-R37E-Sec.29N, Lea County, NM

Lab Order Number: 6J10003

Report Date: 10/23/06

Project: BD Jct. N-29

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- Deep	6J10003-01	Water	10/05/06 13:40	10-09-2006 17:20
Monitor Well #1- Shallow	6J10003-02	Water	10/05/06 14:35	10-09-2006 17:20

122 W. Taylor Hobbs NM, 88240 Project: BD Jct. N-29

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

Fax: (505) 397-1471

#### Organics by GC

#### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6J10003-01) Wa	ter								
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/15/06	EPA 8021B	·
Toluene	ND	0.00100	"		H	n	"	**	
Ethylbenzene	ND	0.00100		**	"	н	й		
Xylene (p/m)	ND	0.00100	**	"	"		п	"	
Xylene (o)	ND	0.00100	"	"	**	11	n	**	
Surrogate: a.a.a-Trifluorotoluene		81.5 %	80-	120	"		n	9	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-	120	n	"	"	**	
Monitor Well #1- Shallow (6J10003-02)	Water								
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/15/06	EPA 8021B	
Toluene	ND	0.00100	N	11	"	P	4	n	
Ethylbenzene	ND	0.00100	**	H	и	"	11	••	
Xylene (p/m)	ND	0.00100	*1	*		n	11	91	
Xylene (o)	ND	0.00100	и	"	v	**	ir.	"	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-	120	"	,,	"	n	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-	120	"	"	n	n	

Project: BD Jct. N-29

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

**Environmental Lab of Texas** 

Fax: (505) 397-1471

#### General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6J10003-01	) Water	-						······	
Total Alkalinity	240	2.00	mg/L	i	EJ61011	10/10/06	10/10/06	EPA 310.1M	
Chloride	54.5	5.00		10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Total Dissolved Solids	520	10.0		1	EJ61016	10/10/06	10/11/06	EPA 160.1	
Sulfate	92.7	5.00	н	10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Monitor Well #1- Shallow (6J10003	-02) Water								
Total Alkalinity	216	2.00	mg/L	1	EJ61011	10/10/06	10/10/06	EPA 310.1M	
Chloride	70.1	5.00	"	^ 10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Total Dissolved Solids	534	10.0	n	ı	EJ61016	10/10/06	10/11/06	EPA 160.1	
Sulfate	87.2	5.00	"	10	EJ61103	10/10/06	10/10/06	EPA 300.0	

122 W. Taylor Hobbs NM, 88240 Project: BD Jct. N-29

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

Fax: (505) 397-1471

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

Analyte .	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6J10003-01) Water			· · · · · ·					· · · · · · · · · · · · · · · · · · ·	
Calcium	28.7	0.810	mg/L	10	EJ61107	10/11/06	10/11/06	EPA 6010B	
Magnesium	17.1	0.360	n	"	"	n	n .	"	
Potassium	10.8	0.600	11		"	n	"	и	
Sodium	102	2.15	"	50	н	**	n	11	1
Monitor Well #1- Shallow (6J10003-02) Water	-								
Calcium	45.0	0.810	mg/L	10	EJ61107	10/11/06	10/11/06	EPA 6010B	
Magnesium	24.1	0.360	17	"	**	**		D	
Potassium	4.95	0.600	th	11	п	"	п		
Sodium	84.3	0.430	D	н	11	**	R	11	

Project: BD Jct. N-29

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

Fax: (505) 397-1471

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

Acceleration		Reporting	** *-	Spike	Source	p/p	%REC	nee	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ61407 - EPA 5030C (GC)										
Blank (EJ61407-BLK1)				Prepared: 1	10/14/06 A	nalyzed: 10	)/15/06			
Benzene	ND	0.00100	mg/L			<del></del>				
Toluene	ND	0.00100	н							
Ethylbenzene	ND	0.00100	n							
Xylene (p/m)	ND	0.00100	n							
Xylene (o)	ND	0.00100	11							
Surrogate: a,a,a-Trifluorotoluene	33.5		ug/I	40.0		83.8	80-120			
Surrogate: 4-Bromofluorobenzene	35.0		"	40.0		87.5	80-120			
LCS (EJ61407-BS1)				Prepared: 1	0/14/06 A	nalyzed: 10	/15/06			
Benzene	0.0451	0.00100	mg/L	0.0500		90.2	80-120	<del></del> -		
Toluene	0.0430	0.00100	I*	0.0500		86.0	80-120			
Ethylbenzene	0.0513	0.00100	n	0.0500		103	80-120			
Xylene (p/m)	0.0929	0.00100	n	0.100		92.9	80-120			
Xylene (o)	0.0423	0.00100	"	0.0500		84.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.4		ug/l	40.0		86.0	80-120			
Surrogate: 4-Bromofluorobenzene	43.8		"	40.0		110	80-120			
Calibration Check (EJ61407-CCV1)				Prepared: 1	0/14/06 A	nalyzed: 10	/17/06			
Benzene	49.9		ug/i	50.0		99.8	80-120			
Toluene	43.1		"	50.0		86.2	80-120			
Ethylbenzene	42.0		"	50.0		84.0	80-120			
Xylene (p/m)	83.7		**	100		83.7	80-120			
Xylene (o)	41.2		п	50.0		82.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.1		"	40.0		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			
Matrix Spike (EJ61407-MS1)	Sou	ırce: 6J12015-6	01	Prepared: 1	0/14/06 A	nalyzed: 10	/17/06			
Benzene	0,0501	0.00100	mg/L	0.0500	ND	100	80-120			
Toluene	0.0440	0.00100		0.0500	ND	88.0	80-120			
Ethylbenzene	0.0416	0.00100	n	0.0500	ND	83.2	80-120			
Xylene (p/m)	0.0914	0.00100	"	0.100	ND	91.4	80-120			
Xylene (o)	0.0427	0.00100		0.0500	ND	85.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.5		ug/l	40.0		88.8	80-120			
Surrogate: 4-Bromofluorobenzene	40.2		n	40.0		100	80-120			

Project: BD Jct. N-29

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61407 - EPA 5030C (GC)										
Matrix Spike Dup (EJ61407-MSD1)	Sour	rce: 6J12015-0	)1	Prepared: 1	0/14/06 A	nalyzed: 10	/17/06			
Benzene	0.0502	0.00100	mg/L	0.0500	ND	100	80-120	0.00	20	
Toluene	0.0442	0.00100	"	0.0500	ND	88.4	80-120	0.454	20	
Ethylbenzene	0.0412	0.00100	**	0.0500	ND	82.4	80-120	0.966	20	
Xylene (p/m)	0.0913	0.00100	11	0.100	ND	91.3	80-120	0.109	20	
Xylene (o)	0.0437	0.00100	"	0.0500	ND	87.4	80-120	2.31	20	
Surrogate: a,a,a-Trifluorotoluene	35.4		ug/l	40.0		88.5	80-120			
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	80-120			

Project: BD Jct. N-29

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 EJ61011 - General Preparatio	n (WetChem)									
Blank (EJ61011-BLK1)				Prepared &	Analyzed:	10/10/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (EJ61011-BS1)				Prepared &	Analyzed:	10/10/06				
Total Alkalinity	190	2.00	mg/L	200		95.0	85-115			
Duplicate (EJ61011-DUP1)	Source	e: 6J09002-0	)1	Prepared &	: Analyzed:	10/10/06				
Total Alkalinity	248	2.00	mg/L		244			1.63	20	
Reference (EJ61011-SRM1)				Prepared &	Analyzed:	10/10/06				
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EJ61016 - Filtration Preparat	ion									
	1011									
Blank (EJ61016-BLK1)				Prepared: 1	0/10/06 A	nalyzed: 10	/11/06	1.1.1.1		
Blank (EJ61016-BLKI)	ND	10.0	mg/L	Prepared: 1	0/10/06 A	nalyzed: 10	/11/06	112.50	· · · · · · · · · · · · · · · · · · ·	
Barch E301010 - Filtration Freparat Blank (EJ61016-BLK1) Total Dissolved Solids Duplicate (EJ61016-DUP1)	ND	10.0 e: <b>6J09002-</b> (	_	Prepared: 1				4.4.		
Blank (EJ61016-BLK1) Total Dissolved Solids Duplicate (EJ61016-DUP1)	ND		_	· · · · · · · · · · · · · · · · · · ·				1.27	5	
Blank (EJ61016-BLKI) Total Dissolved Solids  Duplicate (EJ61016-DUPI) Total Dissolved Solids	ND <b>Sour</b> e 1570	e: 6J09002-0	mg/L	· · · · · · · · · · · · · · · · · · ·	0/10/06 A	nalyzed: 10	/11/06	1.27	5	-
Blank (EJ61016-BLKI) Total Dissolved Solids	ND <b>Sour</b> e 1570	e: 6 <b>J09002-</b> 0	mg/L	Prepared: 1	0/10/06 A	nalyzed: 10	/11/06	0.256	5	
Blank (EJ61016-BLK1) Total Dissolved Solids  Duplicate (EJ61016-DUP1) Total Dissolved Solids  Duplicate (EJ61016-DUP2) Total Dissolved Solids	ND	e: 6J09002-0 10.0 e: 6J10002-0	mg/L	Prepared: 1	0/10/06 A 1590 0/10/06 A	nalyzed: 10	/11/06			
Blank (EJ61016-BLK1) Total Dissolved Solids  Duplicate (EJ61016-DUP1) Total Dissolved Solids  Duplicate (EJ61016-DUP2) Total Dissolved Solids  Batch EJ61103 - General Preparatio	ND	e: 6J09002-0 10.0 e: 6J10002-0	mg/L	Prepared: 1	0/10/06 Ai 1590 0/10/06 Ai 3900	nalyzed: 10	/11/06			
Blank (EJ61016-BLK1) Total Dissolved Solids Duplicate (EJ61016-DUP1) Total Dissolved Solids Duplicate (EJ61016-DUP2)	ND	e: 6J09002-0 10.0 e: 6J10002-0	mg/L	Prepared: 1	0/10/06 Ai 1590 0/10/06 Ai 3900	nalyzed: 10	/11/06			

Project: BD Jct. N-29

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**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61103 - General Preparation (V	VetChem)									
LCS (EJ61103-BS1)				Prepared &	Analyzed:	10/10/06				
Chloride	10.8	0.500	mg/L	10.0		108	80-120			
Sulfate	10,3	0.500		10.0		103	80-120			
Calibration Check (EJ61103-CCV1)				Prepared &	Analyzed:	10/10/06				
Chloride	10.5		mg/L	10.0		105	80-120			
Sulfate	10.2		n	10.0		102	80-120			
Duplicate (EJ61103-DUP1)	Sour	rce: 6J10001-	01	Prepared &	Analyzed:	10/10/06				
Sulfate	324	12.5	mg/L		315			2.82	20	
Chloride	506	12.5	н		494			2.40	20	
Duplicate (EJ61103-DUP2)	Sour	rce: 6J10003-	02	Prepared &	Analyzed:	10/10/06				
Sulfate	88.3	5.00	mg/L		87.2			1.25	20	
Chloride	69.2	5.00	**		70.1			1.29	20	
Matrix Spike (EJ61103-MS1)	Sour	rce: 6J10001-	D1	Prepared &	Analyzed:	10/10/06				
Chloride	773	12.5	mg/L	250	494	112	80-120			
Sulfate	541	12.5	•	250	315	90.4	80-120			
Matrix Spike (EJ61103-MS2)	Sour	rce: 6J10003-	02	Prepared &	Analyzed:	10/10/06				
Chloride	185	5.00	mg/L	100	70.1	115	80-120			
Sulfate	182	5.00	41	100	87.2	94.8	80-120			

122 W. Taylor Hobbs NM, 88240 Project: BD Jct. N-29

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 EJ61107 - 6010B/No Digestion										
Blank (EJ61107-BLK1)				Prepared &	¿ Analyzed:	10/11/06				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	и							
Potassium	ND	0.0600								
Sodium	ND	0.0430	"							
Calibration Check (EJ61107-CCV1)				Prepared &	¿ Analyzed:	10/11/06				
Calcium	2.01		mg/L	2.00		100	85-115			
Magnesium	2.17			2.00		108	85-115			
Potassium	1.78		n	2.00		89.0	85-115			
Sodium	1.77		п	2.00		88.5	85-115			
Duplicate (EJ61107-DUP1)	Sou	ırce: 6J09002-	01	Prepared &	k Analyzed:	10/11/06				
Calcium	214	4.05	mg/L		213	•		0.468	20	
Magnesium	82.1	1.80	"		84.4			2.76	20	
Potassium	10.8	0,600			10.4			3.77	20	
Sodium	90.4	2.15	"		90.0			0.443	20	

Fax: (505) 397-1471

Rice Operating Co.
Project: BD Jct. N-29
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
Dun	Duntionto

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.

#### T21S-R37E-Sec29N, Lea County NM Z 3,5 Custody Seals: (Containing) (Cooter Total Dissolved Solids MRO remperature Upon Receipt Sample Containers Intact? aboratory Commants: BIEX 905/8/2090 CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST BD Junction N-29 SE OFF APPLO DO SEE ON SA かけら 120 Time TIMB SOOL PASTOR L'SEPTHE Calver (specify): **PS** 0/4/90 Project Number: 10-00-01 PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com Date Project Name: Skudge Date Project Loc: PO Number: TEMEST Officer (Specify) Rome (1) 1 Liter HDPE **VOSZH** Fax No: (505) 397-1471 HOSK alisiv aasig (im Ot- (S) iOHI N CV( EOMH 901 No. of Containers 3 13:40 14:35 Time Sampled kpope@riceswd.com 10/5/2006 10/5/2006 Received by: Date Sampled Sampler Signature: Rozanne Johnson (505) 631-9310 rozanne@valornet.com is E TIMB Phone: 432-563-1800 Fax: 432-563-1713 city/state/zip: Hobbs, New Mexico 88240 Company Name RICE Operating Company Email: rozanne@valornet.com Project Managen, Kristin Farris Pope 10-4-01 Company Address: 122 W. Taylor Street Date ELD CODE Monitor Well #2 ~ Shallow Telephone No: (505) 393-9174 Monitor Well #1~ Deep Odesen, Texas 79765 12500 West I-20 East Special instructions: Relinquished by: A EP F eda Alberti

TAT bisbnet2

RUSH TAT (Pre-Schedule)

**通少性** 

Environmental Lab of Texas

10.00

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W. N. Salar

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

O	Sport Samp	70 LUG 11	•
ient: <u>W.C. Op</u> ,			
ite/ Time:			
bID#: (1)1003.			
tials:			
	. 61 - 1-11-4		•
Sample Receip	t Checklist		Client Initials
Temperature of container/ cooler?		No	3.5 °C
2 Shipping container in good condition?		No	
3 Custody Seals intact on shipping container/ cooler?		No	Not Present
4 Custody Seals intact on sample bottles/ container?		No	Not Present
5 Chain of Custody present?		No	
6 Sample instructions complete of Chain of Custody?		No	
7 Chain of Custody signed when relinquished/ received?		No	
8 Chain of Custody agrees with sample label(s)?		No	ID written on Cont./ Lid
9 Container label(s) legible and intact?		No	Not Applicable
10 Sample matrix/ properties agree with Chain of Custody?		No	
11 Containers supplied by ELOT?		No	
12 Samples in proper container/ bottle?		No	See Below
13 Samples properly preserved?		No	See Below
14 Sample bottles intact?		No	
15 Preservations documented on Chain of Custody?		No	
16 Containers documented on Chain of Custody?		No	
17 Sufficient sample amount for indicated test(s)?		No	See Below
18 All samples received within sufficient hold time?		No	See Below
9 VOC samples have zero headspace?	Yes	No	Not Applicable
ontact: Contacted by:	ımentation	_	Date/ Time;
corrective Action Taken:			
·			
Check all that Apply:  See attached e-mail/ fax  Client understands and wor  Cooling process had begun	•		