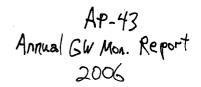
AP - 043

ANNUAL GW REPORT

DATE: 2006



Suite 300

Midland Texas 79701

ARCADIS G&M, Inc.

Tel 432 687 5400

Fax 432 687 5401 www.arcadis-us.com

1004 North Big Spring Street



2007 MAR 2 PM 12 40

Sent Certified mail

Return Receipt No. 7002 2410 0001 5812 9848

Mr. Ed Hansen

New Mexico Energy, Minerals, & Natural Resources Dept. Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

Environmental

Subject:

2006 MONITOR WELL REPORT/SAMPLING SUMMARY JCT. A-20, EME SWD SYSTEM UNIT 'A', SEC. 20, T20S, R37E NMOCD CASE # AP-43 (formerly 1R0427-89)

Date:

26 February 2007

Contact:

Sharon E. Hall

Phone:

432 687-5400

Email

shall@arcadis-us.com

Our ref:

MT000857.0001

Dear Mr. Hansen:

On behalf of Rice Operating Company (ROC), ARCADIS G&M, Inc. (ARCADIS) respectfully submits the 2006 Monitor Well Report for the <u>EME Jct. A-20</u> site located in the Eunice Monument Eumont (EME) Salt Water Disposal (SWD) System.

One monitoring well was installed in 2002 during delineation as part of the Junction Box Upgrade Program.

Soon after the well was installed, phase-separated hydrocarbon (PSH) was found on the water. ROC has actively worked at recovering the PSH in the well by hand bailing or by using an absorbent sock. In September of 2004 Basin Environmental Service Technologies (Basin) assumed the maintenance and weekly replacement of the socks; PSH thickness and volume are measured weekly. Basin will continue weekly recovery in 2007 unless an alternate remedial method is proposed and approved by NMOCD. Product thickness and recovery information is shown in the attached table.

A Stage 1 Abatement Plan was submitted to NMOCD on June 23, 2005 NMOCD approved the Abatement Plan Proposal on February 21, 2006.

On February 28, 2006 monitor wells MW-2 and MW-3 were installed southeast and southwest of the Jct. A-20 and soil and groundwater samples were collected. On May

ARCADIS

Mr. Ed Hansen
26 February 2007

31, 2006, monitor wells MW-4 and MW-5 were installed southeast and northwest of the Jct. A-20 and soil and groundwater samples were collected. A Stage 1 Abatement Plan Report and Stage 2 Abatement Plan proposal was submitted to NMOCD on January 30, 2007. The report details the investigation and investigation results.

All monitor wells are sampled quarterly per NMOCD guidelines. The attached table summarizes the groundwater conditions at the site. 2006 groundwater laboratory reports are also attached.

ROC is the service provider (agent) for the EME Salt Water Disposal System and has no ownership of any portion of pipeline, well or facility. The EME 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.

Sincerely, ARCADIS G&M, Inc.

Sharm E. Hael

Sharon E. Hall Site Evaluation Department Manager

Copies:

Kristin Farris Pope- ROC (3 copies)

Use or disclosure of information contained on this sheet is subject to the restriction and disclaimer located on the signature page of this document.

BD H-35 Monitor Well Sampling Results

otal Xylenes Sulfate	<0.001 383	<0.001 405	
Volume Purged Sample Date CI TDS Benzene Toluene Ethyl Benzene Total Xylenes Sulfate	: :		
TDS Benzene Tolue	1/4/2006 1880 4290 <0.001 <0.001 <0.001	4/24/2006 2360 5380 <0.001 <0.001 <0.001	
Sample Date CI		4/24/2006 2360	1,40,000
me Volume Purged	8.8	8.7	30
Total Depth Well Volui	57.2	57.2	6.4.3
Depth to Water	43.64	43.79	12 02



Analytical Report

Prepared for:

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

Project: BD H-35 SWD

Project Number: None Given
Location: Lea County

Lab Order Number: 6A05002

Report Date: 01/13/06

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6A05002-01	Water	01/04/06 09:45	01/04/06 17:00

Project: BD.H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A05002-01) Water									
Benzene	ND	0.00100	mg/L	1 .	EA60408	01/05/06	01/09/06	EPA 8021B	
Toluene	ND .	0.00100	и .	19	*	*	tf .	"	
Ethylbenzene	ND	0.00100	. "	*	"		"	**	
Xylene (p/m)	ND	0.00100	"	*	19	"	" .	11	
Xylene (o)	ND	0.00100	u		н	"	*	**	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	80-12	0 .	"	*	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-12	0	"	"	"	"	

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

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 (6A05002-01) Water									
Total Alkalinity	110	2.00	mg/L	1	EA61216	01/12/06	01/12/06	EPA 310.1M	
Chloride	1880	25.0	n	50	EA61009	01/10/06	01/10/06	EPA 300.0	
Total Dissolved Solids	4290	5.00	4	1	EA60605	01/05/06	-01/06/06	EPA 160.1	
Sulfate	383	25.0	•	50	EA61009	01/10/06	01/10/06	EPA 300.0	

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A05002-01) Water									
Calcium	444	. 1.00	ıng/L	100	EA60609	01/06/06	01/06/06	EPA 6010B	
Magnesium	247	0.100	**	"	*	*	**	н	
Potassium .	28.7	0.500		10	н	*	*	и .	
Sodium	584	1.00	17	100	н	*	**	н .	

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

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 EA60408 - EPA 5030C (GC)					****					
Blank (EA60408-BLK1)				Prepared: 0	01/04/06 A	nalyzed: 0	1/09/06			
Benzene	ND	0.00100	mg/L	i						
Toluene	ND	0.00100	ni .							
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	34.9		ug/l	40.0		87.2	80-120		· · · · · · · · · · · · · · · · · · ·	
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			
LCS (EA60408-BS1)				Prepared: 0	01/04/06 A	nalyzed: 0	1/09/06			
Benzene	0.0528	0.00100	mg/L	0.0500		106	80-120			
Toluene	0.0586	0.00100	"	0.0500		117	80-120			
Ethylbenzene	0.0586	0.00100	**	0.0500		117	80-120			
Xylene (p/m)	0.119	0.00100	**	0.100		119	80-120			
Xylene (o)	0.0591	0.00100		0.0500		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.3		ug/l	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	· 38.0		"	40.0		95.0	80-120			
Calibration Check (EA60408-CCV1)				Prepared: (01/04/06 A	nalyzed: 0	1/09/06			
Benzene	54.1		ug/l	. 50.0		108	80-120	•		
Toluene	59.8		**	50.0		120	80-120			
Ethylbenzene	59.5	•	"	50.0		119	80-120			
Xylene (p/m)	. 120		"	100		120	80-120	•		
Xylene (o)	57.0		"	50.0		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.2	~	"	40.0		100	80-120			
Surragate: 4-Bramofluorobenzene	36.6		"	40.0		91.5	80-120	*		
Matrix Spike (EA60408-MS1)	Sou	rce: 6A05002	-01	Prepared: 0)1/04/06 A	nalyzed: 0	1/09/06			
Benzene	0.0516	0.00100	mg/L	0.0500	ND	103	80-120			
Toluene	0.0572	0.00100		0.0500	ND	114	80-120			
Ethylbenzene	0.0587	0.00100	**	0.0500	ND	117	80-120			
Xylene (p/m)	0.119	0.00100	**	0.100	ND	119	80-120			
Xylene (o)	0.0588	0.00100	**	0.0500	ND	118	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.9		ug/l	40.0		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	41.4		"	40.0		104	80-120			

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

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 EA60408 - EPA 5030C (GC)				,						
Matrix Spike Dup (EA60408-MSD1)	Sou	rce: 6A05002-	01	Prepared: 0	01/04/06 A	nalyzed: 01	/09/06			
Benzene	0.0525	0.00100	mg/L	0.0500	ND	105	80-120	1.92	20	
Toluene	0.0575	0.00100		0.0500	ND	115	80-120	0.873	20	
Ethylbenzene	0.0573	0.00100	"	0.0500	ŅD	115	80-120	1.72	20	
Xylene (p/m)	0.119	0.00100	н	0.100	ND	119	80-120	0.00	20	
Xylene (o)	0.0590	0.00100	. "	0.0500	ND	118	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	39.6		ug/I	40.0		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	36.8		"	40.0		92.0	80-120			

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

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 EA60605 - General Preparation (W	etChem)	·								
Blank (EA60605-BLK1)				Prepared: ()1/05/06 A	nalyzed: 01	/06/06			
Total Dissolved Solids	ND	5.00	mg/L	,						
Duplicate (EA60605-DUP1)	Sou	rce: 6A05002-	01	Prepared: (01/05/06 A	nalyzed: 01	/06/06			
Total Dissolved Solids	4130	5.00	mg/L		4290			3.80	5	
Batch EA61009 - General Preparation (W	etChem)									
Blank (EA61009-BLK1)				Prepared &	Analyzed	01/10/06				
Sulfate	ND	0.500	mg/L							
Chloride	ND	. 0.500	**							
LCS (EA61009-BS1)				Prepared &	Ánalyzed	01/10/06				
Sulfate	9.33		mg/L	10.0		93.3	80-120			
Chloride	11.3		**	10.0		113	80-120	•		
Calibration Check (EA61009-CCV1)				Prepared &	Analyzed:	01/10/06				
Sulfate	9.50		mg/L	10.0		95.0	80-120			
Chloride	8.61		"	10.0		86,1	80-120			
Duplicate (EA61009-DUP1)	Sou	rce: 6A06009-	06	Prepared &	Analyzed:	01/10/06				
Sulfate	552	10.0	mg/L		511			7.71	20	
Chloride	398	10.0	и .		394			1.01	20	
Batch EA61216 - General Preparation (W	etChem)									
Blank (EA61216-BLK1)				Prepared &	Analyzed	01/12/06				
Fotal Alkalinity	ND	2.00	mg/L							

Project: BD H-35 SWD

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

Fax: (505) 397-1471.

Reported: 01/13/06 12:33

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 EA61216 - General Preparatio	on (WetChem)			- <u></u> -						
LCS (EA61216-BS1)				Prepared &	Analyzed:	01/12/06				
Bicarbonate Alkalinity	198	2.00	mg/L	200		99.0	85-115			
Duplicate (EA61216-DUP1)	Sour	ce: 6A05002-	01	Prepared &	Analyzed:	01/12/06				
Total Alkalinity	109	2.00	mg/L		110			0.913	20	
Reference (EA61216-SRM1)				Prepared &	Analyzed:	01/12/06				
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 01/13/06 12:33

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

i e										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA60609 - 6010B/No Digestion										
Blank (EA60609-BLK1)				Prepared &	Analyzed:	01/06/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"					. •	•	
Potassium	ND	0.0500	**							
Sodium	ND	0.0100								
Calibration Check (EA60609-CCV1)				Prepared &	k Analyzed:	01/06/06				
Calcium	2.06		mg/L	2.00		103	85-115			
Magnesium	2.05			2.00		102	85-115			
Potassium	1.87	•	*	2.00		93.5	85-115			
Sodium	1.84		**	2.00		92.0	85-115			
Duplicate (EA60609-DUP1)	Sou	rce: 5L30002-	01	Prepared &	¿ Analyzed:	01/06/06				
Calcium	32.6	0.100	mg/L	***************************************	33.8			3.61	20	
Magnesium	18.0	0.0100	**		18.6			3.28	20	
Potassium	4.45	0,500	"		4.58			2.88	20	
Sodium	34.8	0.100	, •		34.1			2.03	20	

Project Number: BD H-35 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
01/13/06 12:33

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

Duplicate

Dup

	Kaland K July		
Report Approved By:	Racarie 10	Date:	1/13/2006

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: BD H-35 SWD

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

kpriceswd@valomet.com 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 Email: rozanne@valornet.com

Fax No: (505) 397-1471

Lea County Project Loc: PO #: Project #:

TCLP

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Special Instructions:	PLEASE Email RESULTS TO		kpriceswd@valornet.com & mfranks@riceswd.com	.cor	a 2	nfra	nks	(B)	Sesi	νd.ι	E O			Sami Labe Cust	Sample Containers Intact? Labels on container? Custody Seale Containers /(Temperature Upon Recelpt.	ontair contra ealer ire U	aliner Pon P	ntaci 7 Italne Rece	2 % 5 2 % 5 2 % 5		Q_{α}	z 0		

Laboratory Comments:

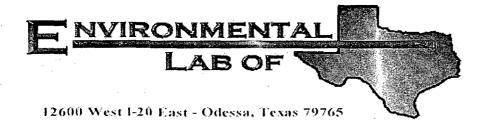
1/108 12:16

1004

7,00

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

Client: Rice Operating			
Date/Time: 01-04-06@ 1700			
Order #: 6A0500Z			
Initials:			
Sample Rece	int Checklist		
Temperature of container/cooler?	(Yes) N	0 -2-0 C	not-frozen
Shipping container/cooler in good condition?	(Yes) No		1
Custody Seals intact on shipping container/cooler?	Jes N	o Not present	1
Custody Seals intact on sample bottles?	MESS No	o Not present	Ī
Chain of custody present?	PES) N	0	1
Sample Instructions complete on Chain of Custody?	(Pes) N	0	Ī
Chain of Custody signed when relinquished and received?	(Yes) N	0]
Chain of custody agrees with sample label(s)	(res N	0	7
Container labels legible and intact?	N CEST N	o l]
Sample Matrix and properties same as on chain of custody?	(ES) N	0	1
Samples in procer container/bottle?	(Yes) N	o .	
Samples properly preserved?	(Yes) N	0	
Sample bottles intact?	(Yes) N]
Preservations documented on Chain of Custody?	(es) N		Ĵ
Containers documented on Chain of Custody?	(Yes) N		
Sufficient sample amount for indicated test?	Ares) N		_
All samples received within sufficient hold time?	Tes N		_]
VOC samples have zero headspace?	/ Yes N	o Not Applicable	<u> </u>
Other observations:			
Variance Do			
Regarding:		Contacted by:	,
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 H-35 SWD

Project Number: None Given
Location: Lea County

Lab Order Number: 6D27009

Report Date: 05/04/06

Project: BD H-35 SWD Project Number: None Given

Project Number: Note Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/04/06 14:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	 Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6D27009-01	Water	04/24/06 13:00	04/27/06 10:30

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 05/04/06 14:10

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6D27009-01) Water		· · · · · · · · · · · · · · · · · · ·			1				
Benzene	, ND	0.00100	mg/L	1	ED62807	04/28/06	04/30/06	EPA 8021B	
Toluene	ND	0.00100		н	u ,	*	w.	**	
Ethylbenzene	ND	0.00100	**	tr	н	14	"	*	
Xylene (p/m)	ND	0.00100	*1	**	н .	H	**	Ħ	
Xylene (o)	ND	0.00100	er e	P	**	η	*	17	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-12	0	. "	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-12	0	"	"	"	,,	

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 05/04/06 14:10

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 (6D27009-01) Water									
Total Alkalinity	110	2.00	mg/L	. 1	EE60301	05/03/06	05/03/06	EPA 310.1M	
Chloride	2360	25.0		50	EE60116	05/01/06	05/01/06	EPA 300.0	
Total Dissolved Solids	5380	5.00	11	1	EE60115	04/27/06	04/28/06	EPA 160.1	
Sulfate	405	25.0	н	50	EE60116	05/01/06	05/01/06	EPA 300.0	

Project: BD H-35 SWD Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/04/06 14:10

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6D27009-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	628	2.00	mg/L	200	ED62719	04/27/06	04/27/06	EPA 6010B	
Magnesium	268	0.0500	*	50	**	"	10	H	
Potassium	29.0	0,500	**	10	"	"		**	
Sodium	806	2.00	"	200	**	H	ņ	11	

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 05/04/06 14:10

Organics by GC - Quality Control Environmental Lab of Texas

Analysis	Dla	Reporting	11.14	Spike	Source	0/DEC	%REC	nnn	RPD	N1
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED62807 - EPA 5030C (GC)										
Blank (ED62807-BLK1)				Prepared: (04/28/06 A	nalyzed: 04	/30/06			
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	42.7		ug/l	40.0	,	107	80-120			
Surrogate: 4-Bromofluorobenzene	42.2		n	40.0		106	80-120			
LCS (ED62807-BS1)				Prepared: ()4/28/06 Aı	nalyzed: 04	/30/06			
Benzene	0.0599	0.00100	mg/L	0.0500		120	80-120			
Toluene	0.0580	00100.0	,	0.0500		116	80-120			
Ethylbenzene	0.0551	0.00100	**	0.0500		110	80-120			
Xylene (p/m)	0.120	0.00100	•	0.100		120	80-120			
Xylene (o)	0,0596	0.00100	#	0.0500		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.0		ug/l	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	42.2		"	40.0		106	80-120			•
Calibration Check (ED62807-CCV1)				Prepared: ()4/28/06 Aı	nalyzed: 05	/01/06			
Benzene	55.0		ug/l	50.0		110	80-120			
Toluene	53.0		**	50.0		106	80-120			
Ethylbenzene	55.9			50.0		112	80-120			
Kylene (p/m)	110		н	100		110	80-120	•		
Xylene (o)	55.9			50.0		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.0		"	40.0		97.5	80-120		To ye	
Surrogate: 4-Bromofluorobenzene	39.1		n	40.0		97.8	. 80-120			
Matrix Spike (ED62807-MS1)	Sou	rce: 6D27008-	01	Prepared: 0)4/28/06 Aı	nalyzed: 05	/01/06			
Benzene	0,0576	0.00100	mg/L	0.0500	ND	115	80-120			
Coluene	0.0568	0.00100	*	0.0500	ND	114	80-120			
Ethylbenzene	0.0587	0.00100	"	0.0500	ND	117	80-120			
Xylene (p/m)	0.120	0.00100	*	0.100	ND	120	80-120			
Xylene (o)	0.0600	0.00100	"	0.0500	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.7		ug/l	40.0	-	104	80-120			
Surrogate: 4-Bromofluorobenzene	47.5	9	"	40.0		119	80-120			

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 05/04/06 14:10

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 ED62807 - EPA 5030C (GC)						*.				
Matrix Spike Dup (ED62807-MSD1)	Sour	ce: 6D27008-	01	Prepared: 0	4/28/06 A	nalyzed: 05	/01/06			
Benzene	0.0597	0.00100	mg/L	0.0500	ND	, 119	80-120	3.42	20	
Toluene	0.0579	0.00100	"	0.0500	ND	116	80-120	1.74	20	
Ethylbenzene	0.0585	0.00100	**	0.0500	ND	117	80-120	0.00	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	0.00	20	
Xylene (o)	0.0598	0.00100	н	0.0500	ND	120	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	43.5		ug/l	40.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Project: BD H-35 SWD

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

Fax: (505) 397-1471

Reported: 05/04/06 14:10

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 EE60115 - General Preparation (V	WetChem)									
Blank (EE60115-BLK1)				Prepared: (04/27/06 A	nalyzed: 04	/28/06			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EE60115-DUP1)	Sou	rce: 6D27015-	01	Prepared: (04/27/06 A	nalyzed: 04	/28/06			
Total Dissolved Solids	3020	5.00	mg/L		3040			0.660	5	
Batch EE60116 - General Preparation (V	WetChem)				_					
Blank (EE60116-BLK1)				Prepared &	Analyzed:	05/01/06				
Chloride	ND	0.500	mg/L		***					
Sulfate	ND	0.500	ų							
LCS (EE60116-BS1)				Prepared &	Analyzed:	05/01/06		*		
Sulfate	9.47	0.500	mg/L	10.0		94.7	80-120			
Chloride	9.71	0.500	*	10.0		97.1	80-120			
Calibration Check (EE60116-CCVI)				Prepared &	Analyzed:	05/01/06				
Chloride	9.86		mg/L	10.0		98.6	80-120			
Sulfate	8.11		۳.	10.0		81.1	80-120			
Duplicate (EE60116-DUP1)	Sou	rce: 6D27008-	-01	Prepared &	2 Analyzed:	05/01/06				
Sulfate	80.0	2.50	mg/L		79.2			1.01	. 20	
Chloride	49.3	2.50	4		49.0			0.610	20	
Batch EE60301 - General Preparation (V	VetChem)		_							
Blank (EE60301-BLK1)				Prepared &	Analyzed:	05/03/06				
Total Alkalinity	ND	2.00	mg/L							

Project: BD H-35 SWD

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/04/06 14:10

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

		Danartina		Spike	Source		%REC		RPD	
Analyte	Result	Reporting Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE60301 - General Preparatio	n (WetChem)									
LCS (EE60301-BS1)				Prepared &	Analyzed:	05/03/06				
Bicarbonate Alkalinity	214		mg/L	200		107	85-115		,	
Duplicate (EE60301-DUP1)	Sour	ce: 6D26006-	01	Prepared &	Analyzed:	05/03/06				
Total Alkalinity	29.0	2.00	mg/L		28.0			3.51	20	
Reference (EE60301-SRM1)		,		Prepared &	: Analyzed:	05/03/06				
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

Rice Operating Co.

Project: BD H-35 SWD

Fax: (505) 397-1471

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

Reported: 05/04/06 14:10

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 ED62719 - 6010B/No Digestion										
Blank (ED62719-BLK1)				Prepared &	: Analyzed:	04/27/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	**							
Potassium	ND	0.0500	11							
Sodium	ND	0.0100	"							
Calibration Check (ED62719-CCV1)				Prepared &	: Analyzed:	04/27/06				
Calcium	2.08	,	mg/L				85-115			
Magnesium	2.16		· "				85-115			
Potassium	1.94		н				85-115			
Sodium	1.96		**				85-115			
Duplicate (ED62719-DUP1)	Sou	rce: 6D26006-	01	Prepared &	Analyzed:	04/27/06				
Calcium	0.0366	0.0100	mg/L		0.0367			0.273	20	
Magnesium	ND	0.00100	**		ND				20	
Potassium	0.275	0.0500	н		0.275			0.00	20	
Sodium	13.0	0.100	•		12.1			7.17	20	

Rice Operating Co.Project:BD H-35 SWDFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/04/06 14:10

Notes and Definitions

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

	Kaland K Julia		
Report Approved By:	Karan Cross	Date:	5/4/2006

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

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Environmental Lab of Texas

12600 West I-20 East Odessa, Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Lea County Project Name: BD H-35 SWD TCLP: Project Loc: PO#: Project #:_ ax No: (505) 397-1471 kpope@riceswd.com Sampler Signature: Rozanne Johnson (505) 631-9310 city/state/Zip: Hobbs New Mexico 88240 Company Name RICE Operating Company Email: rozanne@valornet.com Company Address: 122 W. Taylor Street Project Manager: Kristin Farris Pope Telephone No: (505) 393-9174

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	2	,				Prese	Preservative	e e	_	≥	Matrix		9			Ð										,
LAB # (lab use conty)		Date Sampled	Time Sampled	No. of Confainers	HNO ³	HCI (2) 40 ml glass vials	HO&N LOS ₂ H	None (1) 1 Filer HDPE	Other (Specify)	Sindge	lio8	Other (specify):	1001 2001 M2108 1,814;H9T	Cations (Ct, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg 5	selilæloV	Semivolatiles	BTEX 8021B/5030	RCI N.O.R.M.	Total Dissolved Solids			(otribodo2 ovel) TAT H9110	PUSH TAT (Pre-Schedule) TAT brabast	
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Special Instructions: PLEASE Email RESULTS TO:	RESULTS.	units.	pope@riceswd.com & mfranks@riceswd.com	Ë	im if	ran	ks (B)	rice	MS.	Ö.	Ę			\$ 5 5 € 8	Sample Containers Intact? Labels on container? Custody Seals: <u>Containers</u> Temperature Upon Receipt	Con on cc y See	ontaine ontain als:	and Salar	ntact laine recei	L C		N. C. S	z z			The transfer of the Africa of the
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Environmental Lab of Texas Variance / Corrective Action Report — Sample Log-In

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161 #1 (0t)2700 9					
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ials: OK					
Sample Receip	t Checkl	ist			
perature of container/cooler?	Yes	. No	20	CI	
poing container/cooler in good condition?	¥25	No		i	
tody Seals intact on shipping container/cooler?) Es	No	Not press	nt	
itody Seals intaction sample bottles?	\ \text{\psi_3}_	No	Not press	ent I	
sin of custody present?	Yes	No			
note instructions complete on Chain of Custody?	Yes	No		i	
sin of Custody signed when relinquished and received?	263	No			
ain of custody agrees with sample label(s)	¥€5,	No		i	
ntainer labels legible and intact?	(69)	No			
mple Matrix and procerties same as on chain of custody?	Yes	No		<u></u>	
moles in proper container/bottle?	Yes	No		·	
mples properly preserved?	1	No			
mple bottles intact?	(3)	l No			
eservations documented on Chain of Custody?	Ves	1 No			
ntainers documented on Chain of Custody?	1 750	No			
ficient sample amount for indicated test?	1205	No			
samples received within sufficient hold time?	(Ca)	l No			
C samples have zero headspace?	YES	l No	Not Applie	able i	
her observations:					
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orrective Action Taken:					
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6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H

Lubbock, Texas 79424 El Paso, Texas 79932 E-Mail: lab@traceanalysis.com

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FAX 915 • 585 • 4944

Analytical and Quality Control Report

Kristen Farris-Pope Rice Operating Company 122 W Taylor Street Hobbs, NM, 88240

Report Date: August 17, 2006

Work Order: 6072146

Project Location:

Lea County, New Mexico

Project Name:

BD H-35 SWD

Project Number:

BD H-35 SWD

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

	Ť		Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
96143	Monitor Well #1	water	2006-07-19	14:20	2006-07-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Work Order: 6072146 BD H-35 SWD Page Number: 2 of 11 Lea County, New Mexico

Analytical Report

Sample: 96143 - Monitor Well #1

Analysis: Alkalinity QC Batch: 28340 Prep Batch: 24777 Analytical Method: SM 2320B Date Analyzed: 2006-07-26 Sample Preparation: 2006-07-25

Prep Method: N/A Analyzed By: LJ Prepared By: LJ

*		RL			
Parameter	Flag	Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		108	mg/L as CaCo3	1	4.00
Total Alkalinity		108	mg/L as CaCo3	·1	4.00

Sample: 96143 - Monitor Well #1

Analysis: BTEX QC Batch: 28277 Prep Batch: 24759 Analytical Method: S 8021B
Date Analyzed: 2006-07-24
Sample Preparation: 2006-07-24

Prep Method: S 5030B Analyzed By: MT Prepared By: MT

RL Parameter Units Dilution RLFlag Result Benzene < 0.00100 0.00100 mg/L 1 0.00100 Toluene < 0.00100 mg/L Ethylbenzene < 0.00100 mg/L 1 0.00100 1 0.00100 Xylene < 0.00100 mg/L

				•	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0951	mg/L	1	0.100	95	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)	1	0.0546	mg/L	1	0.100	[,] 55	70.6 - 129.2

Sample: 96143 - Monitor Well #1

Analysis: Cations QC Batch: 28357 Prep Batch: 24749 Analytical Method: S 6010B Date Analyzed: 2006-07-26 Sample Preparation: 2006-07-24

Prep Method: S 3005A Analyzed By: TP Prepared By: TS

		RL			•	
Parameter	Flag	Result	€"	Units	Dilution	RL
Dissolved Calcium		698		mg/L	10	0.500
Dissolved Potassium		45.3		mg/L	1	1.00
Dissolved Magnesium		371		mg/L	10	1.00
Dissolved Sodium	ن ج	719		mg/L	10	1.00

Sample: 96143 - Monitor Well #1

Analysis: Ion Chromatography
QC Batch: 28783
Prep Batch: 25169

Analytical Method: E 300.0
Date Analyzed: 2006-08-02
Sample Preparation: 2006-08-02

Prep Method: N/A Analyzed By: WB Prepared By: WB

¹BFB surrogate recovery outside normal limits. ICV/CCV and TFT surrogate recovery show the method to be in control.

Report Date: August 17, 2006 BD H-35 SWD

Work Order: 6072146 BD H-35 SWD Page Number: 3 of 11 Lea County, New Mexico

		RL					
Parameter Flag		Result		Units	Di	ilution	RL
Chloride		3040		mg/L		100	0.500
Sulfate	·	580		mg/L		100	0.500
						•	
			•				
Sample: 96143 - Monitor Well #	1						
Analysis: TDS		Analytical 1	Method:	SM 2540C		Prep N	Method: N/A
QC Batch: 28620		Date Analy	zed:	2006-08-03		Analy	zed By: SM
Prep Batch: 24979		Sample Pre	paration:	2009-08-01		Prepar	ed By: SM
			RL	•			
Parameter	Flag	R	lesult	Units		Dilution	RL
Total Dissolved Solids			8170	mg/L		10	10.00
			,				
Method Blank (1) QC Batch:	28277						
QC Batch: 28277		Date Ana	ılvzed: 20	006-07-24		Analy	zed By: MT
Prep Batch: 24759		QC Prepa	-	006-07-24			ed By: MT
		,				- 	
				MDL			Y
Parameter	Flag			esult	Uni	ts	RL
Benzene	8		< 0.000		mg/	· · · · · · · · · · · · · · · · · · ·	0.001
Toluene			< 0.000		mg/		0.001
Ethylbenzene			< 0.000		mg/		0.001
Xylene			< 0.000)603	mg/		0.001
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	·8	0.0949	mg/L	1	0.100	95	76.1 - 117
4-Bromofluorobenzene (4-BFB)		0.0633	mg/L	1	0.100	63	58.5 - 118
							,
Method Blank (1) QC Batch:	28340						
QC Batch: 28340		Date An	alvzed: 2	2006-07-26	•	Anal	yzed By: LJ
Prep Batch: 24777		QC Prep		2006-07-25			ared By: LJ
			1.45	OI.			
Parameter	Flag		MI Res		Uni	its	RL
Hydroxide Alkalinity			<1.		mg/L as		1
Carbonate Alkalinity	•		<1.		mg/L as		1
Bicarbonate Alkalinity			<4.		mg/L as		4
Total Alkalinity			<4.	00	mg/L as		. 4

Method Blank (1)	QC Batch: 28357
------------------	-----------------

QC Batch: 28357 Date Analyzed: 2006-07-26 Analyzed By: TP Prep Batch: 24749 QC Preparation: 2006-07-24 Prepared By: TS

Work Order: 6072146 BD H-35 SWD

Page Number: 4 of 11 Lea County, New Mexico

		MDL		
Parameter	Flag	Result	Units	RL
Dissolved Calcium		0.132	mg/L	0.5
Dissolved Potassium		1.08	mg/L	1
Dissolved Magnesium	•	< 0.704	mg/L	1
Dissolved Sodium		0.836	mg/L	1

Method Blank (1)

QC Batch: 28620

QC Batch:

28620

Date Analyzed:

2006-08-03

Analyzed By: SM

Prep Batch: 24979

QC Preparation:

2006-08-01

Prepared By: SM

MDL

Parameter	Flag	Result	Units	RL
Total Dissolved Solids		< 5.000	mg/L	10

Method Blank (1)

QC Batch: 28783

QC Batch: Prep Batch: 25169

28783

Date Analyzed: QC Preparation:

2006-08-02 2006-08-02 Analyzed By: WB

Prepared By: WB

MDL

Parameter	Flag	Result	Units	RL
Chloride	. 2	< 0.0181	mg/L	0.5
Sulfate		< 0.0485	mg/L	0.5

Duplicates (1)

QC Batch: 28340 Prep Batch: 24777

Date Analyzed: QC Preparation: 2006-07-26 2006-07-25 Analyzed By: LJ Prepared By:

RPD Duplicate Sample RPD Result Units Dilution Limit Param Result Hydroxide Alkalinity <1.00 <1.00 mg/L as CaCo3 $\overline{0}$ 20 1 mg/L as CaCo3 0 20 Carbonate Alkalinity < 1.00 < 1.00 1 mg/L as CaCo3 2 Bicarbonate Alkalinity 110 108 1 12.6 2 110 108 mg/L as CaCo3 11.5 Total Alkalinity

Duplicates (1)

OC Batch: Prep Batch: 24979

28620

Date Analyzed: QC Preparation:

2006-08-03 2006-08-01 Analyzed By: SM Prepared By:

SM

	Duplicate	Sample				RPD.
Param	Result	Result	Units	Dilution	RPD	Limit
Total Dissolved Solids	160.0	180.0	mg/L	10	12	17.2

²Not entered

Report Date: August 17, 2006

BD H-35 SWD

Work Order: 6072146 BD H-35 SWD

Page Number: 5 of 11 Lea County, New Mexico

Laboratory Control Spike (LCS-1)

QC Batch: 28277 Prep Batch: 24759 Date Analyzed: 2006-07-24 OC Preparation: 2006-07-24 Analyzed By: MT Prepared By:

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	0.109	mg/L	1	0.100	< 0.000255	109	82.2 - 119
Toluene	0.108	mg/L	1	0.100	< 0.000210	108	81.2 - 119
Ethylbenzene	0.109	mg/L	1	0.100	< 0.000317	109	80 - 122
Xylene	0.322	mg/L	1	`0.300	< 0.000603	107	81.3 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			Spike	Matrix		Rec.		RPD [*]
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	0.104	mg/L	1	0.100	< 0.000255	109	82.2 - 119	5	20
Toluene	0.103	mg/L	1	0.100	< 0.000210	108	81.2 - 119	5	20
Ethylbenzene	0.101	mg/L	1	0.100	< 0.000317	109	80 - 122	8	20
Xylene	0.306	mg/L	1	0.300	< 0.000603	107	81.3 - 122	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.101	0.101	mg/L	. 1	0.100	101	101	81.8 - 114
4-Bromofluorobenzene (4-BFB)	0.112	0.111	mg/L	1	0.100	112	111	72.7 - 116

Laboratory Control Spike (LCS-1)

QC Batch:

28357 Prep Batch: 24749

2006-07-26 Date Analyzed: QC Preparation: 2006-07-24 Analyzed By: TP

Prepared By:

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Dissolved Calcium	51.7	mg/L	i	50.0	< 0.0950	103	85 - 115
Dissolved Potassium	50.8	mg/L	1	50.0	< 0.377	102	85 - 113
Dissolved Magnesium	51.5	mg/L	1	50.0	< 0.704	103	85 - 113
Dissolved Sodium	50.5	mg/L	1	50.0	< 0.261	101	85 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Dissolved Calcium	51.7	mg/L	1	50.0	< 0.0950	103	85 - 115	0	20
Dissolved Potassium	49.3	mg/L	1	50.0	< 0.377	102	85 - 113	3	20
Dissolved Magnesium	49.8	mg/L	1	50.0	< 0.704	103	85 - 113	3	20
Dissolved Sodium	48.6	mg/L	1	50.0	< 0.261	101	85 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 28783 Prep Batch: 25169 Date Analyzed: 2006-08-02 QC Preparation: 2006-08-02

Analyzed By: WB Prepared By: WB Report Date: August 17, 2006 BD H-35 SWD Work Order: 6072146 BD H-35 SWD Page Number: 6 of 11 Lea County, New Mexico

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	< 0.0181	mg/L	1	12.5	< 0.0181		90 - 110
Sulfate	13.0	mg/L	1	12.5	< 0.0485	104	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	0.00	mg/L	l	12.5	< 0.0181		90 - 110		20
Sulfate	13.2	mg/L	1	12.5	< 0.0485	104	90 - 110	. 2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 96149

QC Batch: 28277 Prep Batch: 24759 Date Analyzed: 2006-07-24 QC Preparation: 2006-07-24 Analyzed By: MT Prepared By: MT

	MS			Spike	Matrix		Rec.	
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	
Benzene	0.107	mg/L	1	0.100	< 0.000255	107	70.9 - 126	
Toluene	0.105	mg/L	1	0.100	< 0.000210	105	70.8 - 125	
Ethylbenzene	0.106	mg/L	1	0.100	< 0.000317	106	74.8 - 125	
Xylene	0.311	mg/L	1	0.300	< 0.000603	104	75.7 - 126	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	3	NA	mg/L	1	0.100	< 0.000255	0	70.9 - 126	200	20
Toluene	4.	NA	mg/L	1	0.100	< 0.000210	0	70.8 - 125	200	20
Ethylbenzene	5	NA	mg/L	1	0.100	< 0.000317	0	74.8 - 125	200	20
Xylene	6	NA	mg/L	1	0.300	< 0.000603	0	75.7 - 126	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		MS	MSD			Spike	MS	MSD	Rec.
Surrogate		Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	7	0.101	NA	mg/L	1	0.1	101	0	73.6 - 121
4-Bromofluorobenzene (4-BFB)	8	0.110	NA	mg/L	1 '	0.1	110	0	81.8 - 114

Matrix Spike (MS-1) Spiked Sample: 96142

QC Batch: 28357 Prep Batch: 24749 Date Analyzed: 2006-07-26 QC Preparation: 2006-07-24 Analyzed By: TP Prepared By: TS

³RPD is out of range because a matrix spike duplicate was not prepared.

⁴RPD is out of range because a matrix spike duplicate was not prepared.

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.
⁷RPD is out of range because a matrix spike duplicate was not prepared.

⁸RPD is out of range because a matrix spike duplicate was not prepared:

Work Order: 6072146 BD H-35 SWD

Page Number: 7 of 11 Lea County, New Mexico

Param	•	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec.
Dissolved Calcium	9	884	mg/L	1	50.0	863	42	68.4 - 138
Dissolved Potassium		110	mg/L	1	50.0	67.3	85	82 - 129
Dissolved Magnesium		496	mg/L	1	50.0	438	116	61.2 - 135
Dissolved Sodium	10	2200	mg/L	1	50.0	2180	40	81.8 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Dissolved Calcium	T	884	mg/L	1	50.0	863	42	68.4 - 138	0	20
Dissolved Potassium		111	mg/L	1	50.0	67.3	87	. 82 - 129	1	20
Dissolved Magnesium		491	mg/L	1	50.0	438	106	61.2 - 135	1	20
Dissolved Sodium	12	2200	mg/L	· 1	50.0	2180	40	81.8 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 97690

QC Batch: 28783 Date Analyzed:

2006-08-02

Analyzed By: WB

Prep Batch: 25169

QC Preparation:

2006-08-02

Prepared By: WB

•	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	< 0.0181	mg/L	1	12.5	< 0.0181		25.4 - 171
Sulfate	420	mg/L	10	12.5	307	90	0 - 677

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

•	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	0.00	mg/L	1	12.5	< 0.0181		25.4 - 171		20
Sulfate	421	mg/L	10	12.5	307	91	0 - 677	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 28277

Date Analyzed: 2006-07-24

Analyzed By: MT

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2006-07-24
Toluene		mg/L	0.100	0.104	104	85 - 115	2006-07-24
Ethylbenzene		mg/L	0.100	0.104	104	85 - 115	2006-07-24
Xylene		mg/L	0.300	0.314	105	85 - 115	2006-07-24

⁹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁰Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: August 17, 2006 BD H-35 SWD Work Order: 6072146 BD H-35 SWD Page Number: 8 of 11 Lea County, New Mexico

Standard (CC	CV-1)
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QC Batch: 28277

Date Analyzed: 2006-07-24

Analyzed By: MT

			CCVs True	CCVs Found	CCVs Percent	Percent	Date
D	121	TT 14				Recovery	
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.100	0.107	107	85 - 115	2006-07-24
Toluene		mg/L	0.100	0.105	105	85 - 115	2006-07-24
Ethylbenzene		mg/L	0.100	0.106	106	85 - 115	2006-07-24
Xylene	•	mg/L	0.300	0.311	104	85 - 115	2006-07-24

Standard (ICV-1)

QC Batch: 28340

Date Analyzed: 2006-07-26

Analyzed By: LJ

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent [*]	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2006-07-26

Standard (CCV-1)

QC Batch: 28340

Date Analyzed: 2006-07-26

Analyzed By: LJ

			CCVs	CCVs	CCVs	Percent	
·			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2006-07-26

Standard (ICV-1)

QC Batch: 28357

Date Analyzed: 2006-07-26

Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	50.7	101	90 - 110	2006-07-26
Dissolved Potassium		mg/L	50.0	52.0	104	90 - 110	2006-07-26
Dissolved Magnesium	•	mg/L	50.0	49.6	99	90 - 110	2006-07-26
Dissolved Sodium		mg/L	50.0	50.9	102	90 - 110	2006-07-26

Standard (CCV-1)

QC Batch: 28357

Date Analyzed: 2006-07-26

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.7	97	90 - 110	2006-07-26
Dissolved Potassium		mg/L	50.0	47.4	95	90 - 110	2006-07-26
Dissolved Magnesium		mg/L	50.0	47.2	94	90 - 110	2006-07-26

continued ...

Report Date: August 17, 2006 BD H-35 SWD

Work Order: 6072146 BD H-35 SWD

Page Number: 9 of 11 Lea County, New Mexico

standard continued							
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Dissolved Sodium		mg/L	50.0	47.3	95	90 - 110	2006-07-26

Standard (ICV-1)

QC Batch: 28620

Date Analyzed: 2006-08-03

Analyzed By: SM

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Total Dissolved Solids		mg/L	1000	1001	100	90 - 110	2006-08-03

Standard (CCV-1)

QC Batch: 28620

Date Analyzed: 2006-08-03

Analyzed By: SM

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Total Dissolved Solids		mg/L	1000	1022	102	90 - 110	2006-08-03

Standard (ICV-1)

QC Batch: 28783

Date Analyzed: 2006-08-02

Analyzed By: WB

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	< 0.0181		90 - 110	2006-08-02
Sulfate		mg/L	12.5	12.4	99	90 - 110	2006-08-02

Standard (CCV-1)

QC Batch: 28783

Date Analyzed: 2006-08-02

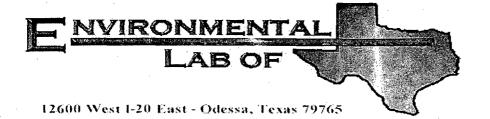
Analyzed By: WB

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	< 0.0181		90 - 110	2006-08-02
Sulfate		mg/L	12.5	12.7	102	90 - 110	2006-08-02

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135	s, Inc.	Phone #: (505)393-9174	Tax #.	(505) 397-1471		kpope@riceswd.com			Project Name: BD H-35 SWD		A A Fezanne@valornet.com	MATRIX METHOD	\Amount	DATE 20 NONE NGH2O H2O H0O3 HCC	46 ml X X 7-19	7-19						Time:	Time: 110 €	VIATE V VV VV VV VV VV VV VV
4.9	Fax (600) 378-1296 Fax (600) 378-1296 1 (600) 378-1296	Company Name: RICE Operating Company	odness: (Street, City, Zip)	122 W Taylor Street - Hobbs, New Mexico 88240	Contact Person:	Kristin Farris - Pope, Project Scientist	invoice to:	(If different from above).	Project #: None Given	Project Location:	Lea County - New Mexico		LAB# FIELD CODE	LAB USE ONLY	(ししく) Monitor Well #1	Monitor Well #1					Retractished by Date: Time:	Date: Time:	Relinquished by: Date: Time:	Submittal of samples constitutes agreement to Terms and Conditions listed on re

Cation-Anion Balance Sheet

					Percentage	Error	2.22		72.0
	EC	mWHOs/cm		Total	Anions	in meq/L	86.66		needs to be 0.55-0.77
	TDS	bbm	8170	Total	Cations	in meq/L	97.80	TDS/Anion	0.82
	Fluoride	mdd			Fluoride	in meq/L		TDS/Cat	0.84
	Nitrate	mdd			Nitrate	in meq/L		TDS/EC	
	Chloride	mdd	3040		Chloride	in meq/L	85.76		
	Sulfate	mdd	580		Sulfate	in med/L	12.08		0
	Alkalinity	mdd	108		Alkalinity	in meq/L	2.16		2
	Potassium	mdd	45.3		Potassium	in meq/L	1.16		o
	Sodium	ppm	719		Sodium	in meq/L	31.28		range
	Calcium Magnesium	ppm	37.1		Calcium Magnesium	in meq/L	30.53	EC/Anion	
DATE: 8/16/2006	Calcium	mdd	698		Calcium	in meq/L in meq/L	34.83	EC/Cation	
DATE:	Sample #		96143		Sample #		96143		96143



Analytical Report

Prepared for:

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

Project: BD SWD H-35

Project Number: None Given

Location: T22S-R37E-Sec35K, Lea Co., NM

Lab Order Number: 6J12015

Report Date: 10/24/06

Rice Operating Co.

Project: BD SWD H-35

Fax: (505) 397-1471

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6J12015-01	Water	10/11/06 11:45	10-12-2006 16:00

Project: BD SWD H-35

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 (6J12015-01) Water									
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/16/06	EPA 8021B	
Toluene	ND	0.00100	"	N	**	н		**	
Ethylbenzene	ND	0.00100			а	"	".	**	
Xylene (p/m)	ND	0.00100	**	. "	•	н	. **	п	
Xylene (o)	ND	0.00100	**	"	.11	н	н .	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-12	0	и	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	80-12	0	"	, '	"	0	

Project: BD SWD H-35

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

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6J12015-01) Water	·								
Total Alkalinity	138	2.00	mg/L	1	EJ61311	10/13/06	10/13/06	EPA 310.1M	
Chloride	2880	100		200	EJ61403	10/19/06	10/19/06	EPA 300.0	
Total Dissolved Solids	7460	10.0		1	EJ61404	10/14/06	10/15/06	EPA 160.1	
Sulfate	561	100	. "	200	EJ61403	10/19/06	10/19/06	EPA 300.0	

Project: BD SWD H-35

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

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte Monitor Well #1 (6J12015-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed .	Method	Notes
Calcium	619	20.2	mg/L	250	EJ61604	10/13/06	10/16/06	EPA 6010B	
Magnesium	384	9.00	ř*	R	٠, ,,	, "	"	н	
Potassium	25.4	3.00		50	н	"	*	н	
Sodium	711	10.8	N	250		,	ų	**	

Project: BD SWD H-35

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit .	Notes
Batch EJ61407 - EPA 5030C (GC)										
Blank (EJ61407-BLK1)				Prepared: 1	0/14/06 A	nalyzed: 10	0/15/06			
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	33.5		ug/l	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	0/15/06			
Benzene	0.0451	0.00100	mg/L	0.0500		90.2	80-120			
Toluene	0.0430	0.00100		0.0500		86.0	80-120			
Ethylbenzene	0.0513	0.00100	* .	0.0500	•	103	80-120			
Xylene (p/m)	0.0929	0.00100	**	0.100		92.9	80-120			
Xylene (o)	0.0423	0.00100	н	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	0/17/06			•
Benzene	49.9		ug/l	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		11	100		83.7	80-120			
Xylene (o)	41.2		, и	50.0		82.4	80-120			•
Surrogate: a,a,a-Trifluorotoluene	36.1		11	40.0 4		90.2	80-120			·
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			
Matrix Spike (EJ61407-MS1)	Sou	rce: 6J12015-	01	Prepared: 1	0/14/06 A	nalyzed: 10	0/17/06			
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	"	0.0500	ND	83.2	80-120			
Xylene (p/m)	0.0914	0.00100	11	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	•	"	40.0		100	80-120			

Xylene (p/m) Xylene (o)

Surrogate: a,a,a-Trifluorotoluene

Surrogate: 4-Bromofluorobenzene

Project: BD SWD H-35

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

Fax: (505) 397-1471

20

20

0.109

2.31

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)								V		
Matrix Spike Dup (EJ61407-MSD1)	Sou	rce: 6J12015-	01	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	10	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	

ug/l

0.100

0.0500

40.0

40.0

ND

ND

91.3

87.4

88.5

102

80-120

80-120

80-120

80-120

0.0913

0.0437

35.4

41.0

0,00100

0.00100

Rice Operating Co.

Project: BD SWD H-35

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 EJ61311 - General Preparation (V	VetChem)									
Blank (EJ61311-BLK1)		• •	•	Prepared &	& Analyzed:	10/13/06				
Total Alkalinity	ND	2.00	mg/L					3.77		
Carbonate Alkalinity	ND	0.100	**							
Bicarbonate Alkalinity	ND	2.00	**							
Hydroxide Alkalinity	ND	0.100	" ,							
LCS (EJ61311-BS1)				Prepared: 10/13/06 Analyzed: 10/20/06						
Bicarbonate Alkalinity	196	2.00	mg/L	200		98.0	85-115			
Duplicate (EJ61311-DUP1)	Sou	rce: 6J12011-	01 _	Prepared &	Analyzed:	10/13/06				
Total Alkalinity	238	2.00	mg/L		242			1.67	20	
Reference (EJ61311-SRM1)				Prepared & Analyzed: 10/13/06						
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EJ61403 - General Preparation (V	VetChem)									
Blank (EJ61403-BLK1)				Prepared & Analyzed: 10/19/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	•							
				Prepared & Analyzed: 10/19/06						
LCS (EJ61403-BS1)				i repareu o	oa., 200.					
<u>```</u>	9.55	0.500	mg/L	10.0		95.5	80-120			-
Sulfate	9.55 9.62	0.500 0.500	mg/L	<u>-</u>			80-120 80-120	3	A	.
Sulfate Chloride			mg/L "	10.0	ε Analyzed:	95.5 96.2				· ·
LCS (EJ61403-BS1) Sulfate Chloride Calibration Check (EJ61403-CCV1) Sulfate			mg/L " mg/L	10.0		95.5 96.2				

Project: BD SWD H-35

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	RPD	RPD Limit	Notes
		LIMIK	Units	Level	Result	/orcec	Limits	KPD_	Limit	Notes
Batch EJ61403 - General Preparation (Wet	Chem)							···		·····
Duplicate (EJ61403-DUP1)	Sou	rce: 6J12011-	01	Prepared &	k Analyzed:	: 10/19/06		•		
Sulfate	291	25.0	mg/L		308			5.68	20	
Chloride	1430	25.0	**		1430			0.00	20	
Duplicate (EJ61403-DUP2)	Sou	rce: 6J12016-	02	Prepared &	Analyzed:	10/19/06				
Sulfate	236	12.5	mg/L		237			0.423	20	
Chloride	690 -	12.5	**		692			0.289	20	
Matrix Spike (EJ61403-MS1)	Sou	rce: 6J12011-	91	Prepared &	z Analyzed:	: 10/19/06				
Chloride	2040	25.0	mg/L	500	1430	122	80-120			S-07
Sulfate	781	25.0	Ħ	500	308	94.6	80-120			
Matrix Spike (EJ61403-MS2)	Sou	rce: 6J12016-0	02	Prepared &	k Analyzed:	: 10/19/06				
Sulfate	476	12.5	mg/L	250	237	95.6	80-120			
Chloride	979	12.5	"	250	692	115	80-120			
Batch EJ61404 - Filtration Preparation										
Blank (EJ61404-BLK1)				Prepared:	10/14/06 A	nalyzed: 10	0/15/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EJ61404-DUP1)	Sou	rce: 6J12011-	01	Prepared:	10/14/06 A	nalyzed: 10)/15/06			
Total Dissolved Solids	3380	10.0	mg/L		3260			3.61	5	
Duplicate (EJ61404-DUP2)	Sou	rce: 6J12016-	02	Prepared:	10/14/06 A	nalyzed: 10)/15/06			
Total Dissolved Solids	1850	10.0	mg/L		1900	-		2.67	5	

Project: BD SWD H-35

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ61604 - 6010B/No Digestion						•				
Blank (EJ61604-BLK1)				Prepared: 1	0/13/06 A	nalyzed: 10)/16/06			
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	17							
Potassium	ND	0.0600	**							
Sodium	ND	0.0430	**							
Calibration Check (EJ61604-CCV1)				Prepared: 1	0/13/06 A	nalyzed: 10	/16/06			
Calcium	1.99		mg/L	2.00		99.5	85-115			
Magnesium	2.20		"	2.00		110	85-115			
Potassium	1.94		u	2.00		97.0	85-115			
Sodium	1.79		**	2.00 .		89.5	85-115			
Duplicate (EJ61604-DUP1)	Sou	rce: 6J12001-	04	Prepared: 1	0/13/06 A	nalyzed: 10)/16/06			
Calcium	0.426	0.0810	mg/L		0.427			0.234	20	
Magnesium	0.432	0.0360			0.422			2.34	20	
Potassium	0.596	0.0600	"		0.582			2.38	20	
Sodium	0.890	0,0430	,,		0.866			2.73	20	

Rice Operating Co.
Project: BD SWD H-35
Fax: (505) 397-1471
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits. DET Analyte DETECTED Analyte NOT DETECTED at or above the reporting limit ND NR Not Reported dry Sample results reported on a dry weight basis RPD Relative Percent Difference LCS Laboratory Control Spike MS Matrix Spike

Dup

Report

Duplicate

	Raland KJul	•		
Approved By:	Rucan C No	Date:	10/24/2006	

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 79766

Phone: 432-563-1800 Fex: 432-663-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

TAT brabnat2 RUSH TAT (Pre-Schedule) T22S-R37E-Sec35K, Lea County NM Lebels on container?
Custody Seals: Containers / Cooled.
Temperature Upon Receipt: Total Dissolved Solids MA.O.R.M. BD SWD System H-35 808 Laboratory Comments: Sample Containers Intact? BTEX 80218/5030 Selectives Ang Disa Col Co. Pro High Se CEC / CEC **SO4, CO3, HCO3** (A SN GW 4.00 Time lime 9001 9801 PIGION L'HIE HA Other (specify): 0.77.00 MDS Project Number: PLEASE Emall RESULTS TO: kpope@riceswd.com; mfranks@rlceswd.com Project Name: Shudige Date Date Project Loc: PO Number: Officer (Specialy) BACH WITH S (1) SUPP DOSZH Fax No: (505) 397-1471 HOWN steiv szelg kn Ob (S) 1044 FONH က No. of Containers 8000 11:45 Time Sampled المعدول Received by ELOT: kpope@riceswd.com 10/11/2006 Received by: Date Sampled Sampler Signature: Rozanne Johnson (505) 631-9310 rozanne@valornet.com A:00 30 <u>1</u>36 City/8tate/zlp: Hobbs, New Mexico 88240 Company Name RICE Operating Company Email: fozanne@valornet.com Company Address: 122 W. Taylor Street 10/12/01 Project Manager: Kristin Farris Pope Date Date FIELD CODE Telephone No: (505) 393-9174 Monitor Well #1 Special Instructions: Rallnquished by leb use only

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

Client: 21000				·
Date/ Time: 0 12 00 4:00	•			
ab ID#: 45120 15				
nitials:				•
			•	
Sample Receipt	Checklist			
	1 7	· · · · · · · · · · · · · · · · · · ·		Client Initials
1 Temperature of container/ cooler?	Yes	<u>No</u>	2.0 .	
2 Shipping container in good condition?	₹ 0 6	No	ļ	
3 Custody Seals intact on shipping container/ cooler?) es	No	Not Present	
Custody Seals intact on sample bottles/ container?	Xes	<u>No</u>	Not Present	
5 Chain of Custody present?) Xes	No		
Sample instructions complete of Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished/ received?	ites	No		
Chain of Custody agrees with sample label(s)?	X-es	No	ID written on Cont./ Lie	1
Container label(s) legible and intact?	Øes l	No	Not Applicable	
O Sample matrix/ properties agree with Chain of Custody?	Yes	No		
1 Containers supplied by ELOT?	Yes	No		
2 Samples in proper container/ bottle?	(es	No	See Below	
3 Samples properly preserved?	Yes	No	See Below	
4 Sample bottles intact?	Yes	No		
5 Preservations documented on Chain of Custody?	Yes	No		
6 Containers documented on Chain of Custody?	Yes	No		
7 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18 All samples received within sufficient hold time?	Yes	No	See Below	
19 VOC samples have zero headspace?	Yes	No	Not Applicable	
Variance Docur	nentation			
ontact: Contacted by:			Date/ Time:	
egarding:				
			_	
orrective Action Taken:				
heck all that Apply: See attached e-mail/ fax	•			
Check all that Apply: Client understands and woul Cooling process had begun				