AP - 59

F-35 ANNUAL GW MONITORING REPORT

DATE: 2004

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

AP-59 F-35 Annual GWMon. Report 2004

CERTIFIED MAIL
RETURN RECEIPT NO. 7002 2410 0000 4940 1688

January 14, 2005

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

RE: 2004 MONITOR WELL REPORT/SAMPLING SUMMARY F-35 SWD, VACUUM SWD SYSTEM UNIT 'F', SEC. 35, T17S, R35E NMOCD CASE #1R0330

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2004 Monitor Well Report for the <u>Vacuum F-35 SWD site</u> located in the Vacuum Salt Water Disposal (SWD) System. One monitoring well was installed on 1/10/2002 during the delineation and removal of a redwood tanks. This well is sampled quarterly pursuant to NMOCD guidelines. In 2004, ROC and Basin Environmental Service Technologies (Basin) of Lovington sampled the well. In 2005, Basin will sample the well and Environmental Lab of Texas of Odessa, Texas will continue to analyze the water samples.

R. T. Hicks Consultants of Albuquerque has been contracted by ROC to address groundwater concerns at this. NMOCD may expect the submission of an Investigation & Characterization Plan (ICP) this year.

ROC is the service provider (operator) for the Vacuum Salt Water Disposal System and has no ownership of any portion of pipeline, well, or facility. The Vacuum SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. In 2004, the Vacuum System Partners approved the discontinuance of the SWD System. Efforts are moving toward abandonment.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me.

RICE OPERATING COMAPANY

Knistin James Pope

Kristin Farris Pope Project Scientist

enclosures:

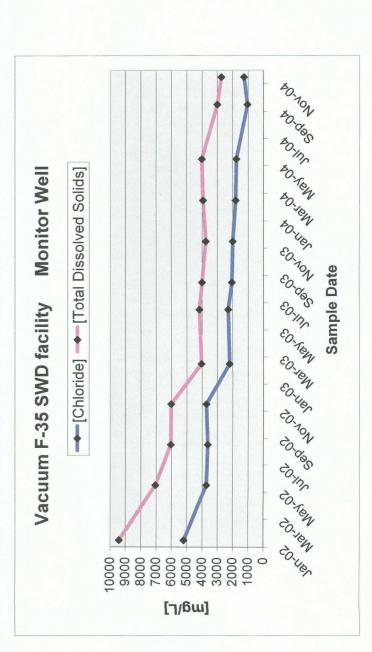
Summary table & graph

Analytical results Survey map

cc: LBG, CDH, R. T. Hicks, file, Rob Roy Industries,

Chris Williams NMOCD, District I Office 1625 N. French Drive Hobbs, NM 88240

	COMMENTS												mod. odor; gray	mod. odor; gray
	TOTAL	BENZENE XYLENES	0.0900	0.3090	09200	0.4310	0.1240	0.0670	0.1920	0.2480	0.0270	0.2150	0.2247	0.2507
mg/L	ETHYL	BENZENE	0.050	0.510	0.112	0.835	0.321	0.061	0.202	0.264	0.121	0.268	0.143	0.206
utions are in	BENZENE TOLUENE		0.053	0.207	0.172	0.343	0.840	0.134	0.360	0.301	0.038	0.176	0.221	0.313
All concentrations are in mg/L	BENZENE		0.050	0.744	0.705	1.210	606.0	0.632	0.617	762.0	0.349	0.726	0.429	0.0489
1	TDS		9425	7050	6040	6020	4040	4180	4000	3760	3932	4008	3000	2740
	CI.	5	5200	3720	3630	3720	2200	2300	2060	2000	1819	1759	1040	1260
	SAMPLE	DATE	1/10/02	5/15/02	8/19/02	11/11/02	2/28/03	6/5/03	8/21/03	11/19/03	2/18/04	5/27/04	9/7/04	11/24/04
11)	VOLUME	PURGED	3.90	XXX	XXX	XXX	XXX	XXX	XXX	XXX	2.78	2.64	2.90	3.10
(gal)	WELL	VOLUME	1.300	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.930	0.880	096.0	1.000
t)	TOTAL	DEPTH	00.99	XXX	XXX	XXX	XXX	XXX	XXX	XXX	64.00	64.00	64.20	64.20
(ft)	DEPTH TO	WATER	58.00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	58.20	58.50	58.20	57.81
	# MM		1	1	1	1	1	I	П	1	1	П	_	7







PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: KRISTIN FARRIS 122 W. TAYLOR HOBBS, NM 88240

FAX TO: (505) 397-1471

Receiving Date: 02/18/04
Reporting Date: 02/20/04
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: VACUUM F-35

Chlemist

Sampling Date: 02/18/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

		Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)
ANALYSIS DA	TE:	02/19/04	02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
H8471-1	VACUUM F-35 MW 1	1169	139	63	10.2	6759	598
Quality Control		NR	59	42	5.17	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	118	85	103	93.6	NR
Relative Percer	nt Difference	NR NR	1.7	2.3	1.0	0.7	NR.
METHODS:		SM3	3500-Ca-D	3500-Mg E	8049	120.1	310.1
		CI ⁻	SO ₄	CO ₃	HCO ₃	рН	TDS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS DA	TE:	02/19/04	02/19/04	02/19/04	02/19/04	02/19/04	02/20/04
H8471-1	VACUUM F-35 MW 1	1819	0.19	0	730	7.54	3932
,							
Quality Control		1010	53.65	NR	1007	7.04	NR
True Value QC		1000	50.00	NR	1000	7.00	NR
% Recovery		101	107	NR	101	101	NR
Relative Perce	nt Difference	2.0	1.5	NR	1.1	0.3	1.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1	160.1
Imu	Hill				212	20104	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, to proper that Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates of successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR RICE OPERATING CO.

ATTN: KRISTIN FARRIS

122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 02/18/04
Reporting Date: 02/20/04
Project Number: NOT GIVEN

Project Name: NOT GIVEN
Project Location: VACUUM F-35

Sampling Date: 02/18/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DA	TE	02/18/04	02/18/04	02/18/04	02/18/04
H8471-1	VACUUM F-35 MW 1	0.349	0.038	0.121	0.027
Quality Control		0.094	0.096	0.099	0.304
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.1	96.0	99.0	101
Relative Perce	nt Difference	1.9	5.1	2.5	0.4

METHOD: EPA SW-846 8260

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 E.

	(915) 673. 7001 Env (915) 673 7030		1606) 303 3476			Dano	2
Company Name:		2000 20	BILLTO			ANALYSIS REQUEST	
Project Manager:	Klistin F		P.O. #:				
Address: /AA	W. Taylor		Company:				
City: Hobbs	State:	NM zip: 88240	Attn:	-			
Phone #: 1505	393-9/74 Fax#:	505)397-1471	Address:				
Project #:	Project Owner:		Clty:				
Project Name:			State: Zip:				
Project Location:	Vacoum 1-35		Phone #:				
Sampler Name:	T.	diamental de la constantina de la cons	Fax #:				
FOR LAB USE CHAY		MATRIX	PRESERV SAMPLING	G			
		RS ATER		10 C	n 0,5		
Lab I.D.	Sample I.D.	(G)RAB OR (C) # CONTAINER GROUNDWAT WASTEWATE SOIL CRUDE OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DA	TIME ANIO	Cati TDS	BTE	
11. Lhg 21	racdum = 35 MWI	X	× 2/18104	9:50 X	XX		
	m E-35 MW	(4 2 X	X X DILFIN	9:50			
PLEASE HOTE: Listing and I study and I study and I cleans to the transfer of the study in the st	PERSE HOTE: Listing and Commogae. Conduct tabbilly and chart's excitative issued to keep them attaing whether based to conduct or text, unable brained to be account publish the chart for the sample and the competition of the sample and the competition of the sample and to chart braining and section of the chart of the sample and the s	adm staing whether based in content of to	I, that he britted to the encount paid by the seed by Cardinal within 30 days after complete the formula between the complete the compl	chart for the ten of the applicable		Terms and Conditions: Indeed will be dropped on all populations from their first 30 days pad doe of the late of 24% par arrun from the original date of lavets and all notes of conditions. Industrial actions of the original date of lavets and all notes of conditions.	charped on all accesses there then arrum from the original data of breaks, error's beas.
service, in to every state Card sittleton of successors mining	strick, in the first was defined a second of the performance of sevices intensive by Carting, regardless of whether such their beard upon my of the above stated seasons or offencies, regardless of whother such their beard upon my of the above stated seasons or offencies.	had regardless of whether such chain is be	ed upon any of the above stated researns or	offerwise.			The state of the s
Sampler Relinqui	shed: Date:	Received By:		Phone Result: Fax Result: REMARKS:	□Yes □No	Add'l Fax #:	
	20 20 S (2)		A CHECKED AY.				
Delivered By: Sampler - UPS -	Bus - Other:	Cool Infact					
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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING ATTN: KRISTIN FARRIS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 05/28/04
Reporting Date: 05/31/04
Project Number: NOT GIVEN
Project Name: VACUUM F-35

Project Location: F-35 MW 1

Sampling Date: 05/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NUMBER SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE	05/30/04	05/30/04	05/30/04	05/30/04
H8751-1 F-35 MW 1	0.726	0.176	0.268	0.215
Quality Control	0.094	0.097	0.086	0.257
True Value QC	0.100	0.100	0.100	0.300
% Recovery	94.3	97.3	86.4	85.6
Relative Percent Difference	5.2	1.5	1.4	0.3

METHOD: EPA SW-846 8260

Date



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING ATTN: KRISTIN FARRIS

122 W. TAYLOR HOBBS, NM 88240

FAX TO: (505) 397-1471

Receiving Date: 05/28/04 Reporting Date: 06/02/04 Project Number: NOT GIVEN Project Name: VACCUM F-35

Project Location: F-35 MW1

Sampling Date: 05/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

	Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)
ANALYSIS DATE:	06/01/04	06/01/04	06/01/04	06/01/04	06/01/04	06/01/04
H8751-1 F-35 MW1	1266	81	24	3.49	7586	572
	0					
Quality Control	NR	50	55	4.58	1322	NR
True Value QC	NR	50	50	5.00	1413	NR
% Recovery	NR	100	110	91.6	93.6	NR
Relative Percent Difference	NR	0	0	7.2	0.7	NR
METHODS:	SMC	3500-Ca-D	3500-Mg E	8049	120.1	310.1
	CI ⁻	SO ₄	CO ₃	HCO₃	рH	TDS
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS DATE:	06/01/04	06/01/04	06/01/04	06/01/04	06/01/04	06/02/04
H8751-1 F-35 MW1	1759	8.70	0	698	7.52	4008
						
Quality Control	950	48.21	NR	927	7.02	NR
True Value QC	1000	50.00	NR	1000	7.00	NR
% Recovery	95.0	96.4	NR	92.7	101	NR
Relative Percent Difference	6.0	6.2	NR	0	0.3	1.4
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

Chemist

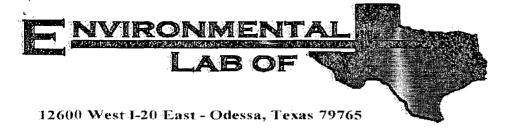
Date 2 D

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Delivered By: 10 Sampler - UPS - By	snayees. All claims brakely those service, linns event that Cardwal artists of succession saleing out			1-151,8H	Lab I.D.	FOR LAB USE CHLY	Sampler Hame:	Project Location:	Project Name:	Project #:	Phone #: (505)	City: Hobbs	Address: /A3	Project Manager:	Company Name:	211:
Sined: Circle One) Bus - Other:	The bear of the common that the common party of the common that the department of the media in the common that the common party bear of the common that the common party bear of the common party of the common party of the common party of the common of the common party bear of the common party of the common		5 7 M W	1	Sample I.D.		Carris	F - 35	(ilcum)		393-9/74		W. Taylor	Klistin Fi	KICE Ope	2111 Beechwood, Abilene, TX 79603 101 E (915) 673-7001 Fax (915) 673-7020 (505)
Date: Re	windsonver sized be deepned in deninges, broketing without in rytices barasedes by Carphial			1 6	(G)RAB OR (C)OMP			M W 2	5-35	Project Owner:	Fax #: (505) 397-	State: ///// Zip:		ucis	priating	ene, TX 79603 915) 673-7020
Received By: (Lab Staff) Sample Condition Cod Intact Yes No Ho	rskyd whee mode is writty and i nitalon, besiere i termytone, be operifess of whether such desin is		½ X	X	# CONTAINERS GROUNDWATER WASTEWATER SOIL CRUDE OIL	MATRIX					397-1471	or 88240				101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476
Staff) Cilecked By: Ives Ives India Ives	e cohed by Cardend within 30 day of two, or bose of pinika incurs based upon any of the shows st		X X b	\$ - X	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV	FBX #:	Ріюне ж:	State: Zip:	Clty:	Address:	Attn:	Company:	P.O. #:	# 11 E	, Hobbs, NM 88: 1x (505) 393-2476
Phone Result: Fax Result: REMARKS: BY:	re after completion of the explicable of the exp		128 10.30	128 1030	DATE TIME	SAMPLING):							240
H: U Yes	Ì			メメ	Cation				·	·						
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Add'i Fhone #:	1				711.9										ANALYSIS REQUEST	Paga.

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Analytical Report

Prepared for:

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

Project: F-35 SWD
Project Number: None Given
Location: Vacuum

Lab Order Number: 4I10009

Report Date: 09/17/04

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4110009-01	Water	09/07/04 10:40	09/09/04 19:20

Project: F-35 SWD Project Number: None Given

Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4I10009-01) Water									
Benzene	0.429	0.00100	mg/L	1	EI41604	09/14/04	09/16/04	EPA 8021B	
Toluene	0.221	0.00100	n	,,	н	"	n	н	
Ethylbenzene	0.143	0.00100	H	"	U	Ħ	II .	H	
Xylene (p/m)	0.165	0.00100	**	"	n	**	11	tt	
Xylene (o)	0.0597	0.00100	11	"	"	n	**	н	
Surrogate: a,a,a-Trifluorotoluene		266 %	80-12	20	"	"	"	"	. S-04
Surrogate: 4-Bromofluorobenzene		115 %	80-12	20	"	ii .	" ~	"	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4I10009-01) Water									
Chloride	1480	5.00	mg/L	1	EI41612	09/12/04	09/12/04	EPA 325.3M	
Total Dissolved Solids	3000	5.00	н	91	EI41702	09/13/04	09/13/04	EPA 160.1	
Sulfate	19.9	0.500	U	Ħ	EI41701	09/10/04	09/10/04	EPA 375.4	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte MW-1 (4110009-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	(0.0	0.100						EDA COLOD	
Calcium	69.9	0.100	mg/L	10	EI41506	09/15/04	09/15/04	EPA 6010B	
Magnesium	27.9	0.0100	11	ű	11	11	**	"	
Potassium	4.88	0.500	**	u	11	H	**	"	
Sodium	1020	1.00	et.	100	II .	11	**	**	

Project: F-35 SWD ect Number: None Given

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

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 EI41604 - EPA 5030C (GC)										
Blank (EI41604-BLK1)				Prepared	& Analyze	ed: 09/14/	n4		· · · · · · · · · · · · · · · · · · ·	
Benzene	ND	0.00100	mg/L	Tropared	C Analyza					
Toluene	ND	0.00100	mg/L							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	II.							
Xylene (o)	ND	0.00100								
Surrogate: a,a,a-Trifluorotoluene	20.0		ug/l	20.0		100	80-120			
Surrogate: 4,2,4-1711uorobenzene	17.4		ug/i	20.0		87.0	80-120 80-120	_		
Burrogute. 4-Bromojiuorovenzene	17.4			20.0		07.0	00-120			
LCS (EI41604-BS1)				Prepared	& Analyze	ed: 09/14/	04			
Benzene	95.7		ug/l	100		95.7	80-120			
Toluene	110		н	100		110	80-120			
Ethylbenzene	108		11	100		108	80-120			
Xylene (p/m)	228		17	200		114	80-120			
Xylene (o)	103		В	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.5			20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		"	20.0		118	80-120			
LCS Dup (EI41604-BSD1)				Prepared	& Analyze	ed: 09/14/0	. 04			
Benzene	92.0		ug/l	100		92.0	80-120	3.94	20	
Toluene	104		**	100		104	80-120	5.61	20	
Ethylbenzene	103		n	100		103	80-120	4.74	20	
Xylene (p/m)	215		**	200		108	80-120	5.41	20	
Xylene (o)	99.5		n	100		99.5	80-120	3.46	20	
Surrogate: a,a,a-Trifluorotoluene	20.6			20.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	21.2		"	20.0		106	80-120			
Calibration Check (EI41604-CCV1)				Prepared	& Analyze	ed: 09/14/0	04			
Benzene	82.8		ug/l	100		82.8	80-120			
Toluene	94.0		11	100		94.0	80-120			
Ethylbenzene	91.4		11	100		91.4	80-120			
Xylene (p/m)	196		**	200		98.0	80-120			
Xylene (o)	89.9		Ħ	100		89.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.1			20.0		90.5	80-120			
Surrogate: 4-Bromofluorobenzene	17.1		"	20.0		85.5	80-120			

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope Fax: (505) 397-1471

Reported: 09/17/04 10:53

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 FI/1604 - FPA 5030C (CC)										

Matrix Spike (EI41604-MS1)	Source:	Source: 4I10005-02			Prepared: 09/14/04 Analyzed		
Benzene	81.1	ug/l	100	ND	81.1	80-120	
oluene	83.7	**	100	ND	83.7	80-120	
thylbenzene	81.6	ıı	100	ND	81.6	80-120	
ylene (p/m)	174	"	200	ND	87.0	80-120	
lene (o)	80.6	11	100	ND	80.6	80-120	
rogate: a,a,a-Trifluorotoluene	17.0	"	20.0		85.0	80-120	
rrogate: 4-Bromofluorobenzene	16.5	"	20.0		82.5	80-120	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

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 EI41612 - General Preparation	(WetChem)									
Blank (EI41612-BLK1)				Prepared	& Analyz	ed: 09/12/	04			
Chloride	ND	5.00	mg/L							
Matrix Spike (EI41612-MS1)	Sour	ce: 410900	7-03	Prepared	& Analyz	ed: 09/12/	04			
Chloride	1280	5.00	mg/L	500	780	100	90-110			
Matrix Spike Dup (EI41612-MSD1)	Sour	ce: 4I0900	7-03	Prepared	& Analyz	ed: 09/12/	04			
Chloride	1280	5.00	mg/L	500	. 780	100	90-110	0.00	20	
Reference (EI41612-SRM1)				Prepared	& Analyz	ed: 09/12/	04			
Chloride	4960		mg/L	5000	*****	99.2	80-120			
Batch EI41701 - General Preparation Blank (EI41701-BLK1)	(WetChem)			Dranarad	& Analyz	od: 00/10/	04	<u></u>		
Sulfate	ND	0.500	mg/L	rrepared	X Allaly Z					
Calibration Check (EI41701-CCV1)				Prepared	& Analyz	ed: 09/10/	04			
Sulfate	48.6		mg/L	50.0		97.2	80-120			
Duplicate (EI41701-DUP1)	Sour	ce: 4I1000	5-01	Prepared	& Analyz	ed: 09/10/	04			
Sulfate	128	1.00	mg/L		129			0.778	20	
Batch E141702 - Filtration Preparation	o n									
Blank (EI41702-BLK1)				Prepared	& Analyz	ed: 09/13/	04			
Total Dissolved Solids	ND	5.00	mg/L							

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope Fax: (505) 397-1471 Reported:

09/17/04 10:53

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

Analyte Result Limit Units Level Result %REC Limits RPD Limit Note	•		Reporting		Spike	Source	%REC	RPD	
	Analyte	Result	Limit	Units	Level	Result	Limits	Limit	Notes

Batch EI41702 - Filtration Preparation

Duplicate (EI41702-DUP1)	Sourc	e: 4I10005	5-02	Prepared & Analyzed: 09/13/04			
Total Dissolved Solids	797	5.00	mg/L	937	16.1	20	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

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 EI41506 - General Preparation	n (Metals)									
Blank (EI41506-BLK1)				Prepared a	& Analyze	ed: 09/15/	04			
Calcium	ND	0.0100	mg/L							,—
Magnesium	ND	0.00100	11							
Potassium	ND	0.0500	н							
Sodium	ND	0.0100	n							
Blank (EI41506-BLK2)				Prepared a	& Analyze	ed: 09/15/	04			
Calcium	ND	0.0100	mg/L				10 4714474	_		
Magnesium	ND	0.00100	n							
Potassium	ND	0.0500	**							
Sodium	ND	0.0100	11							
Calibration Check (EI41506-CCV1)			ed: 09/15/	04						
Calcium	2.03		mg/L	2.00		102	85-115			
Magnesium	2.04		n	2.00		102	85-115			
Potassium	1.75		19	2.00		87.5	85-115			
odium	1.79		11	2.00		89.5	85-115			
Calibration Check (EI41506-CCV2)				Prepared a	& Analyze	ed: 09/15/	04			
Calcium	1.93		mg/L	2.00	- :	96.5	85-115			
Magnesium	2.02		11	2.00		101	85-115			
Potassium	1.76		"	2.00		88.0	85-115			
Sodium	1.77		**	2.00		88.5	85-115			
Duplicate (EI41506-DUP1)	So	urce: 4I0300	9-01	Prepared of	& Analyze	ed: 09/15/	04			
Calcium	281	1.00	mg/L		280			0.357	20	
Magnesium	110	0.100	H		111			0.905	20	
Potassium	8.18	0.500	**		8.31			1.58	20	
Sodium	359	1.00	n		365			1.66	20	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 09/17/04 10:53

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

l								
Analyte Result Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch EI41506 - General Preparation (Metals)

Duplicate (EI41506-DUP2)	Sour	rce: 4I1001	5-01	Prepared & Analyzed: 09/15/04			
Calcium	20.2	0.100	mg/L	20.2	0.00	20	
Magnesium	28.4	0.0100	n	28.6	0.702	20	
Potassium	16.4	0.500	11	16.6	1.21	20	
Sodium	103	0.100	11	103	0.00	20	

Project: F-35 SWD Project Number: None Given Project Manager: Kristin Pope Fax: (505) 397-1471 Reported: 09/17/04 10:53

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

Duplicate

MS Matrix Spike Dup

Report Approved By:

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director

Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist

Sandra Biezugbe, Lab Tech.

Date:

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.

Kalandrine

12600 West I-20 East Odessa, Texas 79763

Phone: 915-563-1800 Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Loc: Macuum Analyze For: Project Name: F-35 भागाम १५१०-५ १८०६ ६ मिल्ल, TCLP: ₽O #: Project #: Project Manager: Kristin Facris Pone Company Address: 123 M. Taylor St Civistate IZID HOBBS, NM 88 341) Company Harne RICE Operating Telephone No: (505) 393-9174 Sampler Signature:

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Preservative

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Jeanne McMurrey

From:

"Kristin Farris" <enviro@leaco.net>

To:

"Jeanne McMurrey" <jeanne@elabtexas.com> Friday, September 10, 2004 9:33 AM

Sent:

MW samples Subject:

Please do not analyze the water samples that were collected on 9/7/2004 for HCO3 since the hold time of 48 hrs. has expired.

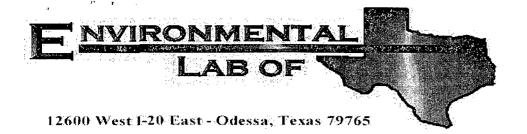
Also, for the COC for the site F-35 SWD, the corresponding samples were mistakenly labeled as H-35 SWD.

Thank you. Kristin Farris Pope RICE Operating Company Hobbs, NM 88240 (505) 393-9174

This message has been scanned for viruses and dangerous content by MailScanner at BasinBroadBand.com, and is believed to be clean.

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

	•		. 3	
Client: Rice Operating Co.				
Date/Time: 09-10-04 @ 0900				
Order #: 410009				
Initials:				
Sample Receipt C	Checki	ist		
Temperature of container/cooler?	(Yes)	No	4,0 C	
Shipping container/cooler in good condition?	(Yes)	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present A	
Custody Seals intact on sample bottles?	Yes	No	Not present.	
Chain of custody present?	Yes	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	(es)	No		
Chain of custody agrees with sample label(s)	Yes	(No)	see attached comen	
Container labels legible and intact?	(Yes)	No		
Sample Matrix and properties same as on chain of custody?	(Yes)	No		
Samples in proper container/bottle?	Ves	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	Yes	No		
Preservations documented on Chain of Custody?	(Yes)	No		
Containers documented on Chain of Custody?	(Yes)	No		
Sufficient sample amount for indicated test?	Yes	No		1
All samples received within sufficient hold time?	Yes	(No.)	CO3/HCOzoct of 48 hr. ho	1d -
VOC samples have zero headspace?	(Yes	No	Not Applicable	
Other observations:				
Variance Docume Contact Person: - Kristin Favris Date/Time: <u>C9-10-</u> Regarding: hold time - <u>CO3/HCO3</u> mislabeled Sample	040,0	093 <u>0</u>		
		 		
Corrective Action Taken: Clent doesn't u an 9/7/4 samples	⊃á∽⁴ . 5e¢	e att	run (Cz/HCOz	
			·	



Analytical Report

Prepared for:

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

Project: F-35 SWD

Project Number: None Given

Location: Vacuum

Lab Order Number: 4K30006

Report Date: 12/08/04

Project: F-35 SWD
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:

12/08/04 17:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4K30006-01	Water	11/24/04 12:30	11/30/04 10:35

Project: F-35 SWD Project Number: None Given Project Manager: Kristin Pope Fax: (505) 397-1471

Reported:
12/08/04 17:21

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30006-01) Water									
Benzene	0.489	0.0100	mg/L	10	EL40601	12/02/04	12/02/04	EPA 8021B	
Toluene	0.313	0.0100	n	**	n n	n	ıı	11	
Ethylbenzene	0.209	0.0100	**	"	*1	**	11	н	
Xylene (p/m)	0.172	0.0100	Ħ	*1	11	**	H	. 11	
Xylene (o)	0.0787	0.0100	ti.	11	**	11	n	H.	
Surrogate: a,a,a-Trifluorotoluene		128 %	80-12	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		116 %	80-12	20	"	"	,, ~	"	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30006-01) Water									
Total Alkalinity	442	2.00	mg/L	1	EL40313	12/03/04	12/03/04	EPA 310.2M	
Total Dissolved Solids	2740	5.00	0	n	EL40105	11/30/04	12/01/04	EPA 160.1	

Project: F-35 SWD
Project Number: None Given
Project Manager: Kristin Pope

Reported: 12/08/04 17:21

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
MW-1 (4K30006-01) Water									
Calcium	66.2	0.100	mg/L	10	EL40101	11/30/04	11/30/04	EPA 6010B	
Magnesium	24.7	0.0100	n	11	II.	**	ti .	**	
Potassium	6.02	0.500	11	ıı	19	11	и	U	
Sodium	842	1.00	n	100	n '	ti	и	"	

Project: F-35 SWD
Project Number: None Given

Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

Anions by EPA Method 300.0 Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30006-01) Water									
Chloride	1260	15.0	mg/L	30	EL40811	12/02/04	12/02/04	EPA 300.0	
Sulfate	51.0	15.0	11	**	EL40812	11	п	u	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

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 EL40601 - EPA 5030C (GC)										
Blank (EL40601-BLK1)				Prepared	& Analyz	ed: 12/02/0				
Benzene	ND	0.00100	mg/L	Trepared	& Allalyz	Cu. 12/02/				
Toluene	ND	0.00100	mg/L							
Ethylbenzene	ND	0.00100	**							
Ethylbenzene Xylene (p/m)	ND	0.00100	11							
Xylene (p/m) Xylene (o)	ND	0.00100	ıı							
• • • • • • • • • • • • • • • • • • • •	0.0223	0.00100	"	0.0200		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0223		,,	0.0200		91.5	80-120 80-120	_		
Surrogate: 4-Bromofluorobenzene	0.0103			0.0200		91.5	0U-12U			
LCS (EL40601-BS1)				Prepared	& Analyz	ed: 12/02/	04			***************************************
Benzene	99.2		ug/i	100		99.2	80-120			
Toluene	107		tt	100		107	80-120			
Ethylbenzene	107		"	100		107	80-120			
Xylene (p/m)	219		**	200		110	80-120			
Xylene (o)	116		. "	100		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0196		mg/L	0.0200		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0199		"	0.0200		99.5	80-120			
LCS Dup (EL40601-BSD1)				Prepared	& Analyz	ed: 12/02/	04			•
Benzene	100		ug/l	100		100	80-120	0.803	20	
Toluene	110		u	100		110	80-120	2.76	20	
Ethylbenzene	111		"	100		111	80-120	3.67	20	
Xylene (p/m)	230		"	200		115	80-120	4.44	20	
Xylene (o)	119		11	100		119	80-120	2.55	20	
Surrogate: a,a,a-Trifluorotoluene	0.0199		mg/L	0.0200		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0202		"	0.0200		101	80-120			
Calibration Check (EL40601-CCV1)				Prepared	: 12/02/04	Analyze	d: 12/03/04	4		
Benzene	98.7		ug/l	100		98.7	80-120		• •	
Toluene	105		H.	100		105	80-120			
Ethylbenzene	109		11	100		109	80-120			
Xylene (p/m)	221		н	200		110	80-120			
Xylene (o)	111		11	100		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0218		mg/L	0.0200		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.0227		n	0.0200		114	80-120			

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

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 EL40601 - EPA 5030C (GC)					,					
Matrix Spike (EL40601-MS1)	Sou	rce: 4K3000	4-03	Prepared:	12/02/04	Analyzed	1: 12/03/04		. = ==	 ,
Benzene	107		ug/l	100	ND	107	80-120			
Toluene	108		н	100	ND	108	80-120			
Ethylbenzene	114		n	100	ND	114	80-120			
Xylene (p/m)	229		#	200	ND	114	80-120			
Xylene (o)	111		ıı	100	ND	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0206		mg/L	0.0200		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.0201		"	0.0200		100	80-120			

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

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 EL40105 - General Prepara	ation (WetChem))								
Blank (EL40105-BLK1)	•			Prepared:	11/30/04	Analyzed	: 12/01/04			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EL40105-DUP1)	Sou	rce: 4K240(09-01	Prepared:	11/30/04	Analyzed	: 12/01/04			
Total Dissolved Solids	1480	5.00	mg/L		1480			0.00	20	
Total Dissolved Solids Batch EL40313 - General Prepara Blank (EL40313-BLK1)			mg/L	Prepared		ed: 12/03/0)4	0.00	20	
Batch EL40313 - General Prepara			mg/L	Prepared		ed: 12/03/0)4		20	
Batch EL40313 - General Prepar Blank (EL40313-BLK1)	ation (WetChem)		mg/L		& Analyzo	ed: 12/03/0	**************************************		20	
Batch EL40313 - General Prepar Blank (EL40313-BLK1) Total Alkalinity	ation (WetChem)	2.00	mg/L		& Analyzo		**************************************		20	
Batch EL40313 - General Prepar Blank (EL40313-BLK1) Total Alkalinity Duplicate (EL40313-DUP1)	ntion (WetChem) ND Sou	2.00 rce: 4K3000	mg/L 04-01	Prepared	& Analyzo & Analyzo 208)4			

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

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 EL40101 - 6010B/No Digestion										
Blank (EL40101-BLK1)				Prepared	& Analyze	ed: 11/30/0	04			
Calcium	ND	0.0100	mg/L					,		
Magnesium	ND	0.00100	19							
Potassium	ND	0.0500	11							
Sodium	ND	0.0100	1f							
Calibration Check (EL40101-CCV1)				Prepared	& Analyze	ed: 11/30/	04			
Calcium	1.87		mg/L	2.00		93.5	85-115	,		
Magnesium	2.08		u	2.00		104	85-115			
Potassium	1.83		11	2.00		91.5	85-115			
Sodium	1.78		n	2.00		89.0	85-115			
Duplicate (EL40101-DUP1)	So	ource: 4K2400	9-01	Prepared	& Analyzo	ed: 11/30/	04			
Calcium	108	1.00	mg/L		122			12.2	20	
Magnesium	46.0	0.0100	н		51.6			11.5	20	
Potassium	11.1	0.500	. 11		13.2			17.3	20	
Sodium	222	1.00	11		235			5.69	20	

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

Anions by EPA Method 300.0 - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40811 - General Preparation	n (WetChem)								
Blank (EL40811-BLK1)				Prepared a	& Analyze	ed: 12/02/0	04			
Chloride	0.00	0.500	mg/L							
Blank (EL40811-BLK2)				Prepared a	& Analyz	ed: 12/02/	04			
Chloride	0.00	0.500	mg/L							
LCS (EL40811-BS1)				Prepared 4	& Analyz	ed: 12/02/	04			
Chloride	5.73	0.500	mg/L	5.00		115	80-120	~		
LCS (EL40811-BS2)				Prepared a	& Analyz	ed: 12/02/	04			
Chloride	5.81	0.500	mg/L	5.00		116	80-120			
LCS Dup (EL40811-BSD1)				Prepared	& Analyz	ed: 12/02/	04			
Chloride	5.42	0.500	mg/L	5.00		108	80-120	5.56	20	
LCS Dup (EL40811-BSD2)				Prepared -	& Analyz	ed: 12/02/	04			
Chloride	5.51	0.500	mg/L	5.00		110	80-120	5.30	20	
Calibration Check (EL40811-CCV1)				Prepared	& Analyz	ed: 12/02/	04			
Chloride	25.8		mg/L	25.0		103	80-120			
Calibration Check (EL40811-CCV2)				Prepared	& Analyz	ed: 12/02/	04			
Chloride	26.1		mg/L	25.0		104	80-120			
Duplicate (EL40811-DUP1)	Sou	rce: 4K300	04-03	Prepared	& Analyz	ed: 12/02/	04			
Chloride	55.7	10.0	mg/L		55.2			0.902	20	
Duplicate (EL40811-DUP2)	Sou	ırce: 4K300	06-01 RE	1 Prepared	& Analyz	ed: 12/02/	04			
Chloride	446	10.0	mg/L		445			0.224	20	, .

Project: F-35 SWD

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 12/08/04 17:21

Anions by EPA Method 300.0 - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40812 - General Preparation	(WetChem)					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Blank (EL40812-BLK1)				Prepared	& Analyze	ed: 12/02/0	04			
Sulfate	0.00	0.500	mg/L							
Blank (EL40812-BLK2)				Prepared	& Analyzo	ed: 12/02/0	04			
Sulfate	0.00	0.500	mg/L							701070
LCS (EL40812-BS1)				Prepared	& Analyze	ed: 12/02/0	04			
Sulfate	5.28	0.500	mg/L	5.00		106	80-120	_		
LCS (EL40812-BS2)				Prepared	& Analyzo	ed: 12/02/	04			
Sulfate	5.53	0.500	mg/L	5.00	1	111	80-120			
LCS Dup (EL40812-BSD1)				Prepared	& Analyz	ed: 12/02/	04			
Sulfate	5.22	0.500	mg/L	5.00		104	80-120	1.14	20	
LCS Dup (EL40812-BSD2)				Prepared	& Analyz	ed: 12/02/	04			
Sulfate	5.34	0.500	mg/L	5.00		107	80-120	3.50	20	
Calibration Check (EL40812-CCV1)				Prepared	& Analyz	ed: 12/02/	04			
Sulfate	10.1		mg/L	10.0		101	80-120			
Calibration Check (EL40812-CCV2)				Prepared	& Analyz	ed: 12/02/	04			
Sulfate	10.3		mg/L	10.0		103	80-120			
Duplicate (EL40812-DUP1)	So	urce: 4K300(04-03	Prepared	& Analyz	ed: 12/02/	04			
Sulfate	101	10.0	mg/L		99.2			1.80	20	
Duplicate (EL40812-DUP2)	So	urce: 4K3000)6-01RE	1 Prepared	& Analyz	ed: 12/02/	04			
Sulfate	123	10.0	mg/L		123			0.00	20	

Project: F-35 SWD

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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:

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director

Peggy Allen, QA Officer

Date: 12-09-04

Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist 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.

Standard TAT

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Environmental Lab of Texas I, Ltd.

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

Client: Rice Operating Co.				
Date/Time: 11-30 - סער פין וצפס				
Order #: 4K 30006				
Initials:				
Sample Receip	nt Chackli	ct	•	
Temperature of container/cooler?	Yes	No	0,5 ° C	
Shipping container/cooler in good condition?	(Yes)	No	0:3	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	(Yes)	No	Otorpresent	
Sample Instructions complete on Chain of Custody?	(Pes)	No		
Chain of Custody signed when relinquished and received?	(Yes)	No		
Chain of custody agrees with sample label(s)	Yes	No		
Container labels legible and intact?	(Yes)	No		
Sample Matrix and properties same as on chain of custody?	(res)	No		
Samples in proper container/bottle?	(Yes)	No		
Samples in proper container/bodile:	res	No		
Sample bottles intact?	(65)	No		
Preservations documented on Chain of Custody?	(es)	No		
Containers documented on Chain of Custody?	(Yes)	No		
Sufficient sample amount for indicated test?	Yes	No		
All samples received within sufficient hold time?	(Pes	No		
VOC samples have zero headspace?	(Yes)	No	Not Applicable	
Other observations:				
Variance Docu Contact Person: Date/Time: Regarding:			Contacted by:	
Corrective Action Taken:				
				
			· · · · · · · · · · · · · · · · · · ·	