1R - 428 - 44

REPORTS

DATE:

FEB 21, 2006

R.T. HICKS CONSULTANTS, LTD.

1909 Brunson Avenue • Midland, Texas 79701-6924 • 432.638.8740 • Fax: 413.403.9968

CERTIFIED MAIL
RETURN RECIEPT NO. 7099 3400 0017 1737 2619

February 21, 2006

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: 2005 ANNUAL GROUNDWATER MONITORING REPORT F-29-1A VENT, HOBBS ABANDONMENT SWD SYSTEM UNIT 'F', SEC. 29, T18S, R38E NMOCD CASE # 1R0428

Mr. Price:

R. T. Hicks Consultants, Ltd. takes this opportunity to submit the 2005 Annual Groundwater Monitoring Report for the F-29-1A Vent site located in the Hobbs Salt Water Disposal (SWD) System. In your email on February 2, 2006, you withdrew the requirement for an abatement plan for the F-29-1A Vent site, under the conditions that the current on site monitor well remain for future monitoring in the area and that ROC shall submit documentation of closure activities. In 2006, Arc Environmental will sample the well and Environmental Lab of Texas of Odessa, Texas will continue to analyze the water samples. The Hobbs SWD System has been abandoned.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (423) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, REM, PG

R. T. Hicks Consultants Ltd.

enclosures: Summary table & figure, analytical results

cc: LBG, CDH, KFP, RTH, file

TABLE AND FIGURES

Table 1 Summary of Groundwater Sampling Results

				Hobbs Aban	donment F-29	-1A Vent Site				
Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Total Depth (feet BTOC)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
	12/2/04	60.64	74.80	725		3280	40.001	<0.001	<0.001	<0.001
	3/22/05	60.08	74.80	879	1780	3960	<0.001	<0.001	<0.001	<0.001
MW-1 (Shallow)	5/19/05	60.04	74.80	626	788	2750	<0.001	<0.001	<0.001	<0.001
MW-1 (Silaliow)	8/9/05	60.14	74.80	470	475	1780	₹0.001	<0.001	<0.001	<0.001
	11/1/05	60.34	74.80	226	218	1100	40.001	<0.001	<0.001	<0.001
	1/31/06	60.42	74.80	144	58.1	924	<0.001	<0.001	<0.001	<0.001
	12/2/04	60.74	102.57	100		465	₹0.001	<0.001	<0.001	<0.001
	3/22/05	60.10	102.57	613	154	930	<0.001	<0.001	<0.001	<0.001
MW-1 (Deep)	5/19/05	60.13	102.57	332	84.5	1260	<0.001	<0.001	<0.001 ·	<0.001
MW-1 (Deep)	8/9/05	60.22	102.57	322	75.7	1080	<0.001	<0.001	<0.001	<0.001
	11/1/05	60.45	102.57	300	63,2	986	<0.001	<0.0001	<0.001	<0.001
	1/31/06	60.54	102.57	270	58.1	1000	<0.001	<0.001	<0.001	<0.001
		WC	XXX Standards	250	600	1000	0.01	0.75	0.75	0.62

Figure 1 TDS, Chloride, Sulfate, and Depth to Groundwater Values Versus Time Graph (Shallow MW-1)

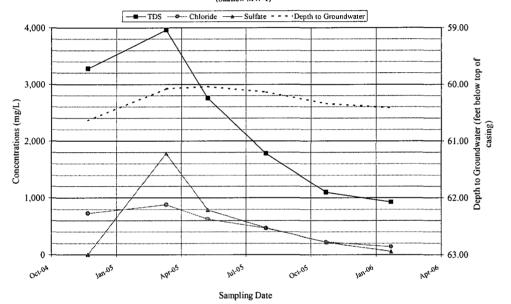
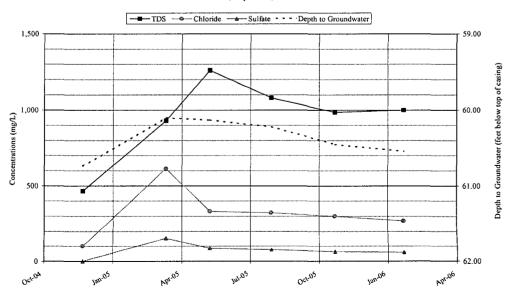
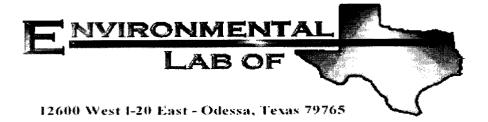


Figure 2
TDS, Chloride, Sulfate, and Depth to Groundwater Values Versus Time Graph (Deep MW-1)



LABORATORY ANALYTICAL REPORTS AND

CHAINS OF CUSTODY



Analytical Report

Prepared for:

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

Project: Hobbs Vent F-29-1A Project Number: None Given Location: Hobbs/Lea County

Lab Order Number: 5C23007

Report Date: 04/05/05

Rice Operating Co.Project:Hobbs Vent F-29-1AFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Pope04/05/05 14:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWB-1-1	5C23007-01	Water	03/22/05 15:35	03/23/05 08:00
SWB-1-2	5C23007-02	Water	03/22/05 15:10	03/23/05 08:00

Project: Hobbs Vent F-29-1A

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

Reported: 04/05/05 14:51

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWB-1-1 (5C23007-01) Water	<u>-</u>					<u> </u>			
Benzene	ND	0.00100	mg/L	1	EC52804	03/24/05	03/24/05	EPA 8021B	
Toluene	ND	0.00100	μ		п	u	п	*1	
Ethylbenzene	ND	0.00100	u		n	n	и	H.	
Xylene (p/m)	ND	0.00100	n		n	n	н	*	
Xylene (o)	ND	0.00100	u	н	n	n	п	n.	
Surrogate: a,a,a-Trifluorotoluene		114%	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-1	20	"	"	"	"	
SWB-1-2 (5C23007-02) Water									
Benzene	ND	0.00100	mg/L	1	EC52804	03/24/05	03/24/05	EPA 8021B	
Toluene	ND	0.00100		*	U	и	н	*	
Ethylbenzene	ND	0.00100	*	н	D	u	п	4	
Xylene (p/m)	ND	0.00100	u	н	U	u	н	u	
Xylene (o)	ND	0.00100	"	"	u	и	ıı	,,,	
Surrogate: a,a,a-Trifluorotoluene	- Postage	108 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-1	20	"	"	"	"	

Project: Hobbs Vent F-29-1A

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

Reported: 04/05/05 14:51

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWB-1-1 (5C23007-01) Water									
Total Alkalinity	144	2.00	mg/L	1	EC52908	03/23/05	03/23/05	EPA 310.2M	
Chloride	613	5.00	n	10	EC52513	03/24/05	03/24/05	EPA 300.0	
Total Dissolved Solids	930	5.00		1	EC52507	03/24/05	03/25/05	EPA 160.1	
Sulfate	154	5.00	"	10	EC52513	03/24/05	03/24/05	EPA 300.0	
SWB-1-2 (5C23007-02) Water									
Total Alkalinity	574	2.00	mg/L	1	EC52908	03/23/05	03/23/05	EPA 310.2M	-
Chloride	879	25.0	u	50	EC52513	03/24/05	03/24/05	EPA 300.0	
Total Dissolved Solids	3960	5.00	n	1	EC52507	03/24/05	03/25/05	EPA 160.1	
Sulfate	1780	25.0	n	50	EC52513	03/24/05	03/24/05	EPA 300.0	

Project: Hobbs Vent F-29-1A

Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 04/05/05 14:51

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWB-1-1 (5C23007-01) Water									
Calcium	168	1.00	mg/L	100	EC53102	03/29/05	03/30/05	EPA 6010B	
Magnesium	26.4	0.0100	н	10	"	n	n	**	
Sodium	114	0.100	п	0	п	n	"	*	
Potassium	9.22	0.100	n	2	EC53109	03/29/05	03/31/05	H	
SWB-1-2 (5C23007-02) Water									
Calcium	36.4	0.100	mg/L	10	EC53102	03/29/05	03/30/05	EPA 6010B	
Magnesium	41.9	0.0100	п		н	H	ıı		
Sodium	1840	10.0	n	1000	"	D .	n		
Potassium	32.5	0.500		10	EC53109	03/29/05	03/31/05	н	

Rice Operating Co. 122 W. Taylor

Project: Hobbs Vent F-29-1A

Fax: (505) 397-1471

Reported: 04/05/05 14:51

122 W. TaylorProject Number:None GivenHobbs NM, 88240Project Manager:Kristin Pope

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EC52804 - EPA 5030C (GC)										
Blank (EC52804-BLK1)				Prepared &	: Analyzed:	03/24/05				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	п							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	*							
Xylene (o)	ND	0.00100	m .							
Surrogate: a,a,a-Trifluorotoluene	19.8		ug/l	20.0		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	17.3		"	20.0		86.5	80-120			
LCS (EC52804-BS1)				Prepared &	: Analyzed:	03/24/05				
Benzene	100		ug/l	100		100	80-120			
Toluene	98.6			100		98.6	80-120			
Ethylbenzene	98.5		"	100		98.5	80-120			
Xylene (p/m)	201		"	200		100	80-120			
Xylene (o)	94.1			100		94.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	22.2		"	20.0		111	80-120			
Surrogate: 4-Bromofluorobenzene	16.5		"	20.0		82.5	80-120			
LCS Dup (EC52804-BSD1)				Prepared &	Analyzed:	03/24/05				
Benzene	101		ug/l	100		101	80-120	0.995	20	
Γoluene	99.0		ıı	100		99.0	80-120	0.405	20	
Ethylbenzene	97.8		#	100		97.8	80-120	0.713	20	
Xylene (p/m)	199		н	200		99.5	80-120	0.501	20	
Xylene (o)	99.5		н	100		99.5	80-120	5.58	20	
Surrogate: a,a,a-Trifluorotoluene	22.3	· · · · · · · · · · · · · · · · · · ·	"	20.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	16.5		"	20.0		82.5	80-120			
Calibration Check (EC52804-CCV1)				Prepared: 0	3/24/05 Ai	nalyzed: 03	/25/05			
Benzene	98.8		ug/l	100		98.8	80-120			
Toluene	95.7		"	100		95.7	80-120			
Ethylbenzene	97.6		**	100		97.6	80-120			
Xylene (p/m)	192		**	200		96.0	80-120			
Yylene (o)	103		**	100		103	80-120			
Surrogate: a, a, a-Trifluorotoluene	22.0		"	20.0		110	80-120		+ · · · · · · · · · · · · · · · · · · ·	
Surrogate: 4-Bromofluorobenzene	18.4		"	20.0		92.0	80-120			

Project: Hobbs Vent F-29-1A

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

Reported: 04/05/05 14:51

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
Potch PC52004 EDA 5020C/CC										

Batch EC52804 -	EPA 5030C	(GC)
-----------------	-----------	------

Matrix Spike (EC52804-MS1)	Source: 5	C23005-01	Prepared: (3/24/05	Analyzed: 0	3/28/05
Benzene	95 1	ug/l	100	ND	95.1	80-120
Toluene	97.2	II.	100	ND	97.2	80-120
Ethylbenzene	89.2	н	100	ND	89.2	80-120
Xylene (p/m)	183	н	200	ND	91.5	80-120
Xylene (o)	93 3	·	100	ND	93.3	80-120
Surrogate: a,a,a-Trifluorotoluene	22.0	"	20.0		110	80-120
Surrogate: 4-Bromofluorobenzene	20.6	"	20.0		103	80-120

Project: Hobbs Vent F-29-1A

Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 04/05/05 14:51

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
		Emit	Oma	Devel	Result	/OKEC	Little	KID	Dillit	notes
Batch EC52507 - General Preparation (WetChem)									
Blank (EC52507-BLK1)				Prepared: 0	3/24/05 .4	Analyzed: 03	/25/05			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC52507-DUP1)	Sou	rce: 5C23001-	01	Prepared: 0	3/24/05 .4	Analyzed: 03	/25/05			
Total Dissolved Solids	1140	5.00	mg/L		1140			0.00	20	
Putch FC52512 Conoral Duorantics A	VotChom)									
Batch EC52513 - General Preparation (vetChem)						·			
Blank (EC52513-BLK1)				Prepared &	Analyzed	1: 03/24/05				
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500								
Blank (EC52513-BLK2)				Prepared &	Analyzed	: 03/24/05				
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	n							
LCS (EC52513-BS1)				Prepared &	Analyzed	: 03/24/05				
Chloride	10.4		mg/L	10.0		104	80-120			
Sulfate	9.53		ıı	10.0		95.3	80-120			
LCS (EC52513-BS2)				Prepared &	Analyzed	: 03/24/05				
Chloride	10.5		mg/L	10.0		105	80-120			_
Sulfate	9.80		"	10.0		98.0	80-120			
Calibration Check (EC52513-CCV1)				Prepared &	Analyzed	: 03/24/05				
Chloride	10.6		mg/L	10.0		106	80-120			-
Sulfate	9.93		н	10.0		99.3	80-120			

Project: Hobbs Vent F-29-1A

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 04/05/05 14:51

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 EC52513 - General Preparation (We	etChem)						<u> </u>			
Calibration Check (EC52513-CCV2)				Prepared &	Analyzed:	03/24/05				
Sulfate	9.80		mg/L	10.0		98.0	80-120			
Chloride	10.6		"	10.0		106	80-120			
Duplicate (EC52513-DUP1)	Sou	rce: 5C23001-	01	Prepared &	Analyzed:	03/24/05				
Chloride	216	5.00	mg/L		215			0.464	20	
Sulfate	216	5.00	"		215			0.464	20	
Duplicate (EC52513-DUP2)	Source: 5C23018-07			Prepared &	: Analyzed:	03/24/05				
Chloride	1540	12.5	mg/L		1530			0.651	20	
Sulfate	163	12.5	u		163			0.00	20	
Batch EC52908 - General Preparation (We	etChem)								·	
Blank (EC52908-BLK1)				Prepared &	: Analyzed:	03/23/05				
Total Alkalinity	ND	2.00	mg/L							
Calibration Check (EC52908-CCV1)				Prepared &	Analyzed:	03/23/05				
Carbonate Alkalinity	0.0500		mg/L	0.0500		100	80-120			
Duplicate (EC52908-DUP1)	Source: 5C22002-01 P			Prepared &	: Analyzed:	03/23/05				
Total Alkalinity	221	2.00	mg/L		220			0.454	20	

Rice Operating Co.

Project: Hobbs Vent F-29-1A

Fax: (505) 397-1471

122 W. Taylor

Project Number: None Given

Reported: 04/05/05 14:51

Hobbs NM, 88240

Project Manager: Kristin Pope

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 EC53102 - 6010B/No Digestion										
Blank (EC53102-BLK1)				Prepared: (3/29/05	Analyzed: 03	3/30/05			
Calcium	ND	0.0100	mg/L				,			
Magnesium	ND	0.00100	"							
Sodium	ND	0.0100	n							
Calibration Check (EC53102-CCV1)				Prepared: (3/29/05	Analyzed: 03	3/30/05			
Calcium	2.25		mg/L	2.00		112	85-115			
Magnesium	1.93		п	2.00		96.5	85-115			
Sodium	2.18		"	2.00		109	85-115			
Duplicate (EC53102-DUP1)	Sou	rce: 5C23001-	-01	Prepared: (3/29/05	Analyzed: 03	3/30/05			
Calcium	47.7	0.100	mg/L		51.6			7.85	20	
Magnesium	62.7	0.0200	n		59.3			5.57	20	
Sodium	247	1.00	п		252			2.00	20	
Batch EC53109 - 6010B/No Digestion										
Blank (EC53109-BLK1)				Prepared: (3/29/05	Analyzed: 03	3/31/05			
Potassium	ND	0.0500	mg/L							
Calibration Check (EC53109-CCV1)				Prepared: (3/29/05	Analyzed: 03	3/31/05			
Potassium	2.02		mg/L	2.00		101	85-115			
Duplicate (EC53109-DUP1)	Sou	Prepared: (
Potassium	10.1	0.500	mg/L		10.7			5.77	20	

Dup

Duplicate

Project: Hobbs Vent F-29-1A

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

Reported: 04/05/05 14:51

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

Report Approved By	Kaland KJul	Date:
Report Approved By:	▼ ==	Date.

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 Sanchez, Lab Tech.

4/5/2005

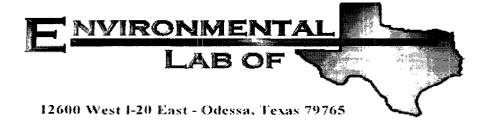
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Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client: <u>Pice Operating</u>				
Date/Time: 3/23/05 10:15				
Order #:5023007				
Initials: CV			•	
Sample Receipt	Checkli	c†		
Temperature of container/cooler?	Yes	No	0.5	
Shipping container/cooler in good condition?	G	No		<u> </u>
Custody Seals intact on shipping container/cooler?	(P25)	No	Not present	
Custody Seals intact on sample bottles?	(\$3)	No	Not present	
Chain of custody present?	MEST	No		
Sample Instructions complete on Chain of Custody?	785	No		
Chain of Custody signed when relinquished and received?	(es)	No		
Chain of custody agrees with sample label(s)	Ces	No		
Container labels legible and intact?	(Ves			
Sample Matrix and procerties same as on chain of custody?	TO TO			
Samples in proper container/bottle?	(Yes)	No		
Samples properly preserved?		No		
Sample bottles intact?	TO S		·	
Preservations documented on Chain of Custody?	(Yes)	No		
Containers documented on Chain of Custody?	COS	No.		
Sufficient sample amount for indicated test?	(ES)	No	· · · · · · · · · · · · · · · · · · ·	
All samples received within sufficient hold time?	(ES)	No		
VOC samples have zero headscade?	TYES)	No	Not Applicable	
Other observations:				Andrew and the second s
Variance Docur Contact Person: Date/Time: Regarding:	nentatio		Contacted by: _	
			and the state of t	**************************************
Corrective Action Taken:				**************************************
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Analytical Report

Prepared for:

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

Project: Hobbs Vent F-29-1A Project Number: None Given Location: Hobbs

Lab Order Number: 5E23001

Report Date: 06/07/05

Project: Hobbs Vent F-29-1A

Project Number: None Given Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 06/07/05 14:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWD B-1-1	5E23001-01	Water	05/19/05 09:47	05/20/05 18:00
SWD B-1-2	5E23001-02	Water	05/19/05 10:44	05/20/05 18:00

Project: Hobbs Vent F-29-1A

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

Reported: 06/07/05 14:10

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWD B-1-1 (5E23001-01) Water				Ditation	Daton	Trepared	7 strany Zecu	Wellou	110163
Benzene	ND	0.00100	mg/L	1	EE52313	05/23/05	05/23/05	EPA 8021B	
Toluene	ND	0.00100	"		n	II.	n	н	
Ethylbenzene	ND	0.00100	II	н	н	ıı	n	м	
Xylene (p/m)	ND	0.00100	н			и		n	
Xylene (o)	ND	0.00100	rt .	п	D	4	"	tr.	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	80-1	20	"	"	n	"	
SWD B-1-2 (5E23001-02) Water	_								
Benzene	ND	0.00100	mg/L	1	EE52313	05/23/05	05/23/05	EPA 8021B	
Toluene	ND	0.00100	п		p	u	n	le .	
Ethylbenzene	ND	0.00100	н	н	п	ıı	"	æ	
Xylene (p/m)	ND	0.00100	Ħ	н	н	н	п	41	
Xylene (o)	ND	0.00100	H	*	*	и	n	и	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-1.	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0%	80-1.	20	н	"	"	"	

Project: Hobbs Vent F-29-1A

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

Reported: 06/07/05 14:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWD B-1-1 (5E23001-01) Water									
Total Alkalinity	142	2.00	mg/L	1	EE52509	05/24/05	05/24/05	EPA 310.2M	
Chloride	332	5.00	н	10	EE52503	05/24/05	05/24/05	EPA 300.0	
Total Dissolved Solids	1260	5.00	n	1	EE52507	05/23/05	05/23/05	EPA 160 l	
Sulfate	84.5	5.00	u	10	EE52503	05/24/05	05/24/05	EPA 300.0	
SWD B-1-2 (5E23001-02) Water									
Total Alkalinity	440	2.00	mg/L	1	EE52509	05/24/05	05/24/05	EPA 310.2M	
Chloride	626	25.0	n	50	EE52503	05/24/05	05/24/05	EPA 300.0	
Total Dissolved Solids	2750	5.00	u	1	EE52507	05/23/05	05/23/05	EPA 160.1	
Sulfate	788	25.0		50	EE52503	05/24/05	05/24/05	EPA 300.0	

Project: Hobbs Vent F-29-1A

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

Reported: 06/07/05 14:10

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWD B-1-1 (5E23001-01) Water									
Calcium	130	0.500	mg/L	50	EE52518	05/25/05	05/25/05	EPA 6010B	
Magnesium	25.3	0.0100	п	10	ıt	li .	**	н	
Potassium	5.92	0.0500	п	1		II		P	
Sodium	85.9	0.100	п	10	п	H	"	n	
SWD B-1-2 (5E23001-02) Water									
Calcium	71.4	0.100	mg/L	10	EE52518	05/25/05	05/25/05	EPA 6010B	
Magnesium	31.0	0.0100	n	и	*	D	e	н	
Potassium	10.9	0.250	n	5	ď	,		H	
Sodium	682	2.00	11	200		n	п	н	

Project: Hobbs Vent F-29-1A

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

Reported: 06/07/05 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
	Result	Limit	Onus	Pevel	Resurt	MINEC	Lillis	KrD	1) IIII	140168
Batch EE52313 - EPA 5030C (GC)		· <u></u>								
Blank (EE52313-BLK1)				Prepared &	Analyzed:	05/23/05				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	n							
Ethylbenzene	ND	0.00100	er e							
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100	u							
Surrogate: a,a,a-Trifluorotoluene	18.3		ug/l	20.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	21.1		"	20.0		106	80-120			
LCS (EE52313-BS1)				Prepared &	Analyzed:	05/23/05				
Benzene	94.6		ug/l	100		94.6	80-120			
Foluene	99.1		"	100		99.1	80-120			
Ethylbenzene	111		п	100		111	80-120			
Xylene (p/m)	224		п	200		112	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.3		"	20.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	22.4		"	20.0		112	80-120			
Calibration Check (EE52313-CCV1)				Prepared: 0	5/23/05 A	nalyzed: 05	/24/05			
Benzene	84.6		ug/l	100		84.6	80-120			
Toluene	92.8		n	100		92.8	80-120			
Ethylbenzene	91.1		"	100		91.1	80-120			
Xylene (p/m)	182		*	200		91.0	80-120			
Xylene (o)	87.9		*	100		87.9	80-120			
Surrogate: a, a, a-Trifluorotoluene	17.3		"	20.0		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	19.4		"	20.0		97.0	80-120			
Matrix Spike (EE52313-MS1)	Som	rce: 5E23008-	05	Prepared: 0	5/23/05 A	nalyzed: 05	/24/05			
Benzene	92.0		ug/l	100	ND	92.0	80-120			
Γoluene	91.8			100	ND	91.8	80-120			
Ethylbenzene	90 0		u	100	ND	90.0	80-120			
Xylene (p/m)	192		0	200	ND	96.0	80-120			
Kylene (o)	93.5		"	100	ND	93.5	80-120			
Surrogate: a, a, a-Trifluorotoluene	18.3		,,	20.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	22.8		"	20.0		114	80-120			

Project: Hobbs Vent F-29-1A

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

Reported: 06/07/05 14:10

Organics by GC - Quality Control Environmental Lab of Texas

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

Batch EE52313 - EPA 5030C (GC)

Matrix Spike Dup (EE52313-MSD1)	Source: 5	Prepared: (05/23/05 .A	nalyzed: 0:	5/24/05			
Benzene	92.6	ug/l	100	ND	92.6	80-120	0.650	20
Toluene	93.5	"	100	ND	93.5	80-120	1.83	20
Ethylbenzene	94.9	"	100	ND	94.9	80-120	5.30	20
Xylene (p/m)	187	tt	200	ND	93.5	80-120	2.64	20
Xylene (o)	95.2	n	100	ND	95.2	80-120	1.80	20
Surrogate: a,a,a-Trifluorotoluene	18.0	"	20.0		90.0	80-120		
Surrogate: 4-Bromofluorobenzene	23.0	"	20.0		115	80-120		

Project: Hobbs Vent F-29-1A

Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 06/07/05 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 EE52503 - General Preparation (Wet	Chem)										
Blank (EE52503-BLK1)				Prepared & Analyzed: 05/24/05							
Sulfate	ND	0.500	mg/L								
Chloride	ND	0.500									
LCS (EE52503-BS1)				Prepared &	Analyzed:	05/24/05					
Chloride	10.5		mg/L	10.0		105	80-120				
Sulfate	9.69		н	10.0		96.9	80-120				
Calibration Check (EE52503-CCV1)				Prepared &	: Analyzed:	05/24/05					
Chloride	10.8		mg/L	10.0		108	80-120				
Sulfate	9.24		n	10.0		92.4	80-120				
Duplicate (EE52503-DUP1)	Sou	rce: 5E20008-	Prepared &	: Analyzed:	05/24/05						
Chloride	345	10.0	mg/L		347			0.578	20		
Sulfate	462	10.0	н		478			3.40	20		
Batch EE52507 - Filtration Preparation											
Blank (EE52507-BLK1)				Prepared &	Analyzed:	05/23/05					
Total Dissolved Solids	ND	5.00	mg/L								
Duplicate (EE52507-DUP1)	Sou	rce: 5E19012-	01	Prepared &	: Analyzed:	05/23/05					
Total Dissolved Solids	704	5.00	mg/L		699			0.713	20		
Batch EE52509 - General Preparation (Wet	Chem)									_	
				Prepared &	· Analyzed:	05/24/05					
Blank (EE52509-BLK1)				Trepared ec	Fullary ZCG.	05/27/05					

Rice Operating Co. 122 W. Taylor Project: Hobbs Vent F-29-1A

Project Number: None Given

Fax: (505) 397-1471

Reported: 06/07/05 14:10

Hobbs NM, 88240 Project Manager: Kristin Pope

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

J											1
		Reporting		Spike	Source		%REC		RPD		1
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	١

Ratch	EE52509 -	General	Preparation	(WetChem)
Daten	シンシングンサン	General	a i cuai auon	I VY CICHEINI

Duplicate (EE52509-DUP1)	Sourc	e: 5E19001-	01	Prepared & Anal					
Total Alkalinity	215	2.00	mg/L	2	14		0.466	20	
Reference (EE52509-SRM1)				Prepared & Anal	yzed: 05/24/05				
Bicarbonate Alkalinity	230		mg/L	200	115	80-120			

Project: Hobbs Vent F-29-1A

Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 06/07/05 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	RPD	RPD Limit	Notes
L	Kesuit	Diffit	Onts	Devel	Rosult	701EC	Linus		- Danit	1.0003
Batch EE52518 - 6010B/No Digestion										
Blank (EE52518-BLK1)				Prepared &	Analyzed:	05/25/05				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	п							
Blank (EE52518-BLK2)				Prepared &	Analyzed:	05/25/05				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	u							
Potassium	ND	0.0500	'n							
Sodium	ND	0 0100	п							
Calibration Check (EE52518-CCV1)				Prepared &	: Analyzed:	05/25/05				
Calcium	1.86		mg/L	2.00		93.0	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	1.93		n	2 00		96.5	85-115			
Sodium	2.18		"	2.00		109	85-115			
Duplicate (EE52518-DUP1)	Sou	rce: 5E19001-	01	Prepared &	Prepared & Analyzed: 05/25/05					
Calcium	51.6	0.500	mg/L		56.0			8.18	20	
Magnesium	26.4	0.0100	"		27.2			2.99	20	
Potassium	5.70	0.0500	"		5.69			0.176	20	
Sodium	109	0.100	II		110			0.913	20	
Duplicate (EE52518-DUP2)	Sou	rce: 5E24016-	01	Prepared &	: Analyzed:	05/25/05				
Calcium	90.2	0.100	mg/L		89.5			0.779	20	
Magnesium	50.6	0.0100	n		50.5			0.198	20	
Potassium	10 7	0.500	н		11.0			2.76	20	
Sodium	244	0.500	H		248			1.63	20	

Rice Operating Co.Project:Hobbs Vent F-29-1AFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Pope06/07/05 14:10

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup

Duplicate

	Kaland K Julis		
Report Approved By:	Karan C 110	Date:	6/7/2005

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 Sanchez, Lab Tech.

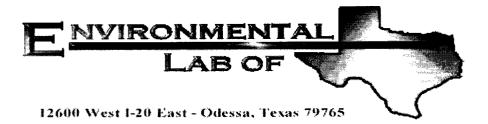
This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

labels +seals Sect on cools TAT bimbnate Jon ice w Project Name Hobbs Keart F-29 1-A subarbe and) TAT Heus CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 7.57 a - youngess "He!] M.R.O. Temperature Lipon Receipt Laboratory Comments: K) Service Containers intect I- L HDPE BLEY BOST BURDE Project Loc. Hobbs wande. Ye yo die oo oo wa hij ge ď, TOTAL WE LEAD | CEC **2** Mens (CI, 804, COS, HCOS) (X ,eM ,gM, eC) another. 05-20-05 1800 8001 196100 1009 100 egina C Far No. (505) 397-147 envigo (D) eaco. Nei × 松如色 Other (Specify) 405°H HOPM HCH нио³ menmen 901 No. of Containers bakıma2 omi? and and かられ 04688 Cistra Y 28V Environmental Lab of Texas I, Ltd. May 19 <u>o</u> Dakinnis ataO + arris Den har 200/393-9174 analysis to A 3:4 Phone: 915-863-1800 Fax: 915-563-1713 2 15 T S T 02/5 PELD CODE City/State/Zip Too by 6-1-2 -1-Q yease Rmail SwD QMV Telephone No: Company Address. Project Manager: 12800 West L20 East Odeska, Texas 79763 type of instructions AB# (ab use only) 9 9

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

client: <u>Rice Operating</u>				
Date/Time: 5/20/05 18:00			•	
Descrime				
Order #:5E23001				
Initials:				
Sample Receip	t Checkli	st		
Temperature of container/cooler?	Yes	No	TES CI	
Shipping container/cooler in good condition?	ZES)	No	and the second s	
Custody Seals intact on shipping container/cooler?	KES	No	Not present	
Custody Seals intact on sample bottles?	AFES)	No	Not present	
Chain of custody present?	\(\text{Zes}\)	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	(Fee)	No		
Chain of custody agrees with sample label(s)	To the second	No		
Container labels legible and intact?	793	No		
Sample Matrix and properties same as on chain of custody?	(8.62)	No		
Samples in proper container/bottle?	885	No		
Samples properly preserved?	Ø€\$	No	AND THE REAL PROPERTY OF THE P	
Sample bottles intact?	Yes	No		
Preservations documented on Chain of Custody?	des !	No		
Containers documented on Chain of Custody?	Wes !	No		
Sufficient sample amount for indicated test?	Ses	No		
Ail samples received within sufficient hold time?	X23	No	and the second section is the second section of the second section of the second section of the second section of	
VCC samples have zero headspace?	Yes	No	Not Applicable	
Other observations:		aarin, yskila kultinin ja privat siin aandoogaarin aasta ahrivooni aandoogaarin aasta ahrivooni		
Variance Docu Contact Person: Date/Time: Regarding:				
Corrective Action Taken:				
	<u></u>			
	······································			
		and the second second second	and the second s	
			and his water to the second of	



Analytical Report

Prepared for:

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

Project: Hobbs Vent F-29-1A Project Number: None Given Location: Hobbs

Lab Order Number: 5H09005

Report Date: 08/24/05

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #SWD B-1-1	5H09005-01	Water	08/09/05 08:50	08/09/05 15:12
Monitor Well #SWD B-1-2	5H09005-02	Water	08/09/05 09:20	08/09/05 15:12

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #SWD B-1-1 (5H09005-01) Water								
Benzene	ND	0.00100	mg/L	1	EH51001	08/10/05	08/10/05	EPA 8021B	<u> </u>
Toluene	ND	0.00100	п	•	U	II	II .	*	
Ethylbenzene	ND	0.00100	n	*	и	19	n	H	
Xylene (p/m)	ND	0.00100	"		10	и	"		
Xylene (o)	ND	0.00100	н	н	н	u	#	н	
Surrogate: a,a,a-Trifluorotoluene		93.1 %	80-12	0	"	"	"	n	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-12	0	"	"	n	"	
Monitor Well #SWD B-1-2 (5H09005-02) Water								
Benzene	ND	0.00100	mg/L	1	EH51001	08/10/05	08/10/05	EPA 8021B	
Toluene	ND	0.00100	п	"	n		н	le .	
Ethylbenzene	ND	0.00100	ıı	#	r.	*	п	le:	
Xylene (p/m)	ND	0.00100	н	н		н	•	h	
Xylene (0)	ND	0.00100	н	н	n	и	"	4	
Surrogate: a,a,a-Trifluorotoluene		86.7%	80-12	0	"	"	"	ų	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-12	0	"	"	"	"	

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #SWD B-1-1 (5H090	05-01) Water							-	
Total Alkalinity	140	2.00	mg/L	1	EH51207	08/10/05	08/10/05	EPA 310.2M	•
Chloride	322	5.00	н	10	EH51906	08/15/05	08/15/05	EPA 300.0	
Total Dissolved Solids	1080	5.00	m	1	EH51002	08/10/05	08/11/05	EPA 160.1	
Sulfate	75.7	5.00	п	10	EH51906	08/15/05	08/15/05	EPA 300.0	
Monitor Well #SWD B-1-2 (5H0900	05-02) Water								
Total Alkalinity	332	2.00	mg/L	1	EH51207	08/10/05	08/10/05	EPA 310.2M	
Chloride	470	12.5	n	25	EH51906	08/15/05	08/15/05	EPA 300.0	
Total Dissolved Solids	1780	5.00	п	1	EH51002	08/10/05	08/11/05	EPA 160.1	
Sulfate	475	12.5	"	25	EH51906	08/15/05	08/15/05	EPA 300.0	

Project: Hobbs Vent F-29-1A

Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported: 08/24/05 08:42

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #SWD B-1-1 (51	109005-01) Water					_			
Calcium	153	0.500	mg/L	50	EH51103	08/11/05	08/11/05	EPA 6010B	
Magnesium	24.7	0.0100	п	10	*	II	п	n	
Potassium	5.92	0.0500	и	1	•		п		
Sodium	81.4	0.100	"	10	ŧ	ı,	n	н	
Monitor Well #SWD B-1-2 (5E	109005-02) Water								
Calcium	142	0.500	mg/L	50	EH51103	08/11/05	08/11/05	EPA 6010B	
Magnesium	32.6	0.0100	п	10	ır	*	n	y .	
Potassium	6.92	0.250	н	5	п	*	n	N	
Sodium	477	2.00	**	200	"	n	n	19	

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

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 EH51001 - EPA 5030C (GC)										
Blank (EH51001-BLK1)				Prepared &	Analyzed	08/10/05				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	п							
Ethylbenzene	ND	0.00100	п							
Xylene (p/m)	ND	0.00100	P							
Xylene (o)	ND	0.00100	n							
Surrogate: a,a,a-Trifluorotoluene	98.2		ug/l	100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	89.7		"	100		89.7	80-120			
LCS (EH51001-BS1)				Prepared &	Analyzed:	08/10/05				
Benzene	89.3		ug/l	100		89.3	80-120			
l'oluene	92.2		"	100		92.2	80-120			
Ethylbenzene	91.4		"	100		91.4	80-120			
Kylene (p/m)	185		п	200		92.5	80-120			
Kylene (o)	85.5			100		85.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	116		"	100		116	80-120			
Surrogate: 4-Bromofluorobenzene	115		"	100		115	80-120			
Calibration Check (EH51001-CCV1)		Prepared & Analyzed: 08/10/05								
Benzene	97.2		ug/l	100		97.2	80-120			*****
Toluene	95.9		"	100		95.9	80-120			
Ethylbenzene	89.1		"	100		89.1	80-120			
Kylene (p/m)	179		"	200		89.5	80-120			
Kylene (o)	81.7		н	100		81.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	117		"	100		117	0-200			
Surrogate: 4-Bromofluorobenzene	117		"	100		117	0-200			
Matrix Spike (EH51001-MS1)	Sou	rce: 5H03013-	01	Prepared: 0	8/10/05 .A:	nalyzed: 08	/11/05			
Benzene	98.7		ug/l	100	ND	98.7	80-120	"000		***
Toluene	99.4			100	ND	99.4	80-120			
Ethylbenzene	99.9		,	100	ND	99.9	80-120			
Kylene (p/m)	202		ıı	200	ND	101	80-120			
Kylene (o)	92.7		11	100	ND	92.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	90.6		"	100		90.6	80-120			
Surrogate: 4-Bromosluorobenzene	103		"	100		103	80-120			

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH51001 - EPA 5030C (GC)									
Matrix Spike Dup (EH51001-MSD1)	Sour	ce: 5H03013-01	Prepared:	08/10/05 A	malyzed: 08	3/11/05			
Benzene	90.5	ug/l	100	ND	90.5	80-120	8.67	20	
Toluene	93.1	н	100	ND	93.1	80-120	6.55	20	
Ethylbenzene	93.7	н	100	ND	93.7	80-120	6.40	20	
Xylene (p/m)	188	"	200	ND	94.0	80-120	7.18	20	
Xylene (o)	87.9	н	100	ND	87.9	80-120	5.32	20	
Surrogate: a,a,a-Trifluorotoluene	86.9		100		86.9	80-120			
Surrogate: 4-Bromofluorobenzene	93.4	"	100		93.4	80-120			

Project: Hobbs Vent F-29-1A

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

Reported: 08/24/05 08:42

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH51002 - General Preparati	on (WetChem)									
Blank (EH51002-BLK1)				Prepared: 0	08/10/05 A	nalyzed: 08	/11/05			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EH51002-DUP1)	Sour	re: 5H09005-	01	Prepared: 0	08/10/05 A	nalyzed: 08	/11/05			
Total Dissolved Solids	1120	5.00	mg/L		1080			3.64	5	
Batch EH51207 - General Preparati	on (WetChem)					****				
Blank (EH51207-BLK1)				Prepared &	: Analyzed:	08/10/05				
Total Alkalinity	ND	2.00	mg/L							
Duplicate (EH51207-DUP1)	Source	e: 5H09005-	01	Prepared & Analyzed: 08/10/05						
Fotal Alkalinity	137	2.00	mg/L		140			2.17	20	
Reference (EH51207-SRM1)				Prepared &	: Analyzed:	08/10/05				
Bicarbonate Alkalinity	230		mg/L	200		115	80-120			
Batch EH51906 - General Preparation	on (WetChem)									
Blank (EH51906-BLK1)				Prepared &	: Analyze ₁ :	08/15/05				
Sulfate	ND	0.500	mg/L							
	ND	0.500	"							
Chloride	ND									
				Prepared &	Analyzed:	08/15/05				
Chloride LCS (EH51906-BS1) Chloride	8.36		mg/L	Prepared &	: Analyzed:	08/15/05 83.6	80-120	······································		

Rice Operating Co.

Project: Hobbs Vent F-29-1A

Fax: (505) 397-1471

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

Reported: 08/24/05 08:42

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH51906 - General Preparation (WetChem)									
Calibration Check (EH51906-CCV1)				Prepared &	Analyzed:	08/15/05				
Chloride	9.85		mg/L	10.0	*	98.5	80-120	,		
Sulfate	11.4		"	10.0		114	80-120			
Duplicate (EH51906-DUP1)	Sour	ce: 5H09007-	-02	Prepared &	Analyzed:	08/15/05				
Chloride	202	5.00	mg/L		203			0.494	20	
Sulfate	122	5.00	"		122			0.00	20	

Rice Operating Co.

Project: Hobbs Vent F-29-1A

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given Project Manager: Kristin Pope

Reported: 08/24/05 08:42

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH51103 - 6010B/No Digestion								<u> </u>		
Blank (EH51103-BLK1)				Prepared &	k Analyzed:	08/11/05				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	n							
Potassium	ND	0.0500	tt.							
Sodium	ND	0.0100	"							
Calibration Check (EH51103-CCV1)				Prepared &	Analyzed:	08/11/05				
Calcium	1.95		mg/L	2.00		97.5	85-115			
Magnesium	2.17		n	2.00		108	85-115			
Potassium	1.90		"	2.00		95.0	85-115			
Sodium	1.84		"	2.00		92.0	85-115			
Duplicate (EH51103-DUP1)	Sou	rce: 5H09005-	01	Prepared &	. Analyzed:	08/11/05				
Calcium	148	0.500	mg/L		153			3.32	20	
Magnesium	24.3	0.0100	p		24.7			1.63	20	
Potassium	5.97	0.0500	н		5.92			0.841	20	
Sodium	80.0	0.100	"		81.4			1.73	20	

Rice Operating Co.Project:Hobbs Vent F-29-1AFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Pope08/24/05 08:42

Notes and Definitions

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

	Kaland Kotuls		
Report Approved By:	Racarie 1	Date:	8/24/2005

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

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

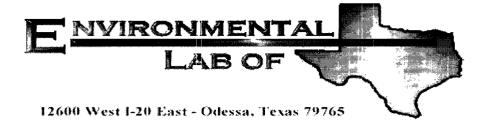
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If you have received this material in error, please notify us immediately at 432-563-1800.

TAT bratinate elubert TAT (Pre-Schedule Project Name: Hobbs Vont F-29 CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 0 S MA.O. Temperature Upon Receipt: Laboratory Comments: Sample Containers infact? Project Loc: +500 bS BLEX 80518/2030 at BLEX 8580 Auteis: As Ag Ba Cd Cr Ph Hg Se TOTAL 9. 4. Project #: ANDRE (C) 804" CO3" HCO3) Korices and Evaloration 9001 9001 WS108 1'81+ Had Other (specify): X8-05 อริกกรู MINA Other (Specify) OSTH HACH HCI CONH San Mark And Andreas くならなく No. of Containers のなってより Delgares emit 4 1905/10:50/201R Hear emal analysis to bristin. 5-9-05 8.90 Date Sampled operations. FACCIS SWD 8-1-2 Environmental Lab of Texas Monthe Well # SWO BT-1 Phona: 432-563-1800 Fax: 432-563-1713 393 8-8-05 Nook Oste FIELD CODE Telaphone No:(Company Name_ City/State/Zip: Sampler Signature: Project Manager: Company Address: 12600 West I-20 East Odessa, Texas 79765 Special Instructions: LAB # (lab use only) Relinquished by

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

Client: <u>Piro Dp.</u>				
Date/Time: $8/9/05$ 15:12				
Order #: 5H09005				,
Initials:				
Sample Receipt C	Checkli	st		
Temperature of container/cooler?	Yes	No I	0.0 c	Ì
Shipping container/cooler in good condition?	Yes	No		j
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	<u>.</u>
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 I		
Chain of Custody signed when relinquished and received?	YES	No	ميد - مي ن واردي به در دود پاهنده و چود چود چود په دو په دو	i
Chain of custody agrees with sample label(s)	Yes	No		į
Container labels legible and intact?	T KES I	No		<u>;</u>
Sample Matrix and properties same as on chain of custody?	Yes	No I	······································	<u>;</u> f
Samples in proper container/bottle?	Yes.	No	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1
Samples properly preserved?	Yesh	No		·
Sample bottles intact?	XES I	No I		<u>.</u>
Preservations documented on Chain of Custody?	Y(es)	No :		<u>:</u>
Containers documented on Chain of Custody?	Yes	No		
Sufficient sample amount for indicated test?	(Yes)	No		2
All samples received within sufficient hold time?	Yes	No		
VOC samples have zero headspace?	Yes	No	Not Applicable	1
Other observations: HU9005-01-02 Neutral PH R9	8/8/0			
Variance Docum			~	
Contact Person: Date/Time: Regarding:			Contacted by:]	Comment of the contract of the
Corrective Action Taken:		ang di Panggaran di Panggaran da Anggaran da Anggaran da Anggaran da Anggaran da Anggaran da Anggaran da Anggar	o entrito sum como transferidado, que se como en como entre en transferidad que que que que como en	



Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A Project Number: None Given Location: Lea County

Lab Order Number: 5K02010

Report Date: 11/11/05

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1 Deep	5K02010-01	Water	11/01/05 09:45	11/02/05 14:05
MW-2 Shallow	5K02010-02	Water	11/01/05 10:25	11/02/05 14:05

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 Deep (5K02010-01) Water									
Benzene	ND	0.00100	mg/L	1	EK50810	11/08/05	11/09/05	EPA 8021B	
Toluene	ND	0.00100	**	п	"	н	Ħ	M	
Ethylbenzene	ND	0.00100	n	п	U	•	tt .	le .	
Xylene (p/m)	ND	0.00100	n	н	D	v	0	W	
Xylene (o)	ND	0.00100	*	п	U	н	IJ	U	
Surrogate: a,a,a-Trifluorotoluene		83.8 %	80-12	0	n .	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	80-12	0	"	"	"	"	
MW-2 Shallow (5K02010-02) Water									
Benzene	ND	0.00100	mg/L	1	EK50810	11/08/05	11/08/05	EPA 8021B	
Toluene	ND	0.00100	п	н	μ	н	u	H.	
Ethylbenzene	ND	0.00100	n	и	и	п	**	H.	
Xylene (p/m)	ND	0.00100	II.	н	и	н	n	и	
Xylene (o)	ND	0.00100	**	*	H	п	n	н	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120	9	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-120)	n	"	"	"	

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 Deep (5K02010-01) Water									
Total Alkalinity	140	4.00	mg/L	2	EK50912	11/09/05	11/09/05	EPA 310.2M	<u> </u>
Chloride	300	5.00	п	10	EK50703	11/04/05	11/07/05	EPA 300.0	
Total Dissolved Solids	986	5.00	"	1	EK50803	11/03/05	11/04/05	EPA 160.1	
Sulfate	63.2	5.00	"	10	EK50703	11/04/05	11/07/05	EPA 300.0	
MW-2 Shallow (5K02010-02) Water									_
Total Alkalinity	274	4.00	mg/L	2	EK50912	11/09/05	11/09/05	EPA 310 2M	. <u> </u>
Chloride	226	5.00	"	10	EK50703	11/04/05	11/07/05	EPA 300.0	
Total Dissolved Solids	1100	5.00	"	1	EK50803	11/03/05	11/04/05	EPA 160.1	
Sulfate	218	5.00		10	EK50703	11/04/05	11/07/05	EPA 300.0	

Rice Operating Co. 122 W. Taylor Project: Hobbs Jct. F-29-1A

Fax: (505) 397-1471

Reported: 11/11/05 12:15

Hobbs NM, 88240

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

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 Deep (5K02010-01) Water									
Calcium	141	0.500	mg/L	50	EK50907	11/09/05	11/09/05	EPA 200.7	
Magnesium	22.4	0.0100	"	10	n	и	"	n	
Potassium	5.70	0.0500	n	1	"	н	ø	n	
Sodium	63.8	0.500	**	50	n	н	8	"	
MW-2 Shallow (5K02010-02) Water									
Calcium	64.6	0.500	mg/L	50	EK50907	11/09/05	11/09/05	EPA 200.7	
Magnesium	17.9	0.0100	D	10	*	n	"	N	
Potassium	4.31	0.250	,,	5	n	n	tt.	N	
Sodium	278	0.500		50	*	н	"	H	

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

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
	Kesuit	Limit	Units	Level	Result	70REC	Lums	KrD .	Limit	110168
Batch EK50810 - EPA 5030C (GC)										
Blank (EK50810-BLK1)				Prepared &	Analyzed	: 11/08/05				
Benzene	ND	0.00100	mg/L							
Γoluene	ND	0.00100	п							
Ethylbenzene	ND	0.00100	п							
Xylene (p/m)	ND	0.00100	н							
Yylene (o)	ND	0.00100	II .							
Surrogate: a,a,a-Trifluorotoluene	0.0332		"	0.0400	·	83.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0323		"	0.0400		80.8	80-120			•
LCS (EK50810-BS1)				Prepared &	Analyzed	11/08/05				
Benzene	0.0400	0.00100	mg/L	0.0500		80.0	80-120			
Toluene	0.0402	0.00100	*	0.0500		80.4	80-120			
Ethylbenzene	0.0400	0.00100	**	0.0500		80.0	80-120			
Xylene (p/m)	0.0813	0.00100	n	0.100		81.3	80-120			
Yylene (o)	0.0415	0.00100	*	0.0500		83.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0347		"	0.0400		86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0347		"	0.0400		86.8	80-120			
Calibration Check (EK50810-CCV1)				Prepared: 1	1/08/05 A	nalyzed: 11	/09/05			
Benzene	40.4		ug/l	50.0		80.8	80-120			
Foluene	40.9		n	50.0		818	80-120			
Ethylbenzene	40.2		a	50.0		80.4	80-120			
Kylene (p/m)	80.9		n	100		80.9	80-120			
Kylene (o)	40.8		II	50.0		81.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0346		mg/L	0.0400		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0343		"	0.0400		85.8	80-120			
Matrix Spike (EK50810-MS1)	Sou	rce: 5K03003-	01	Prepared: 1	1/08/05 A	nalyzed: 11	/09/05			
Benzene	0.0401	0.00100	mg/L	0.0500	ND	80.2	80-120			
Toluene	0.0409	0.00100	н	0.0500	ND	81.8	80-120			
Ethylbenzene	0.0401	0.00100	н	0.0500	ND	80.2	80-120			
Kylene (p/m)	0.0802	0.00100	н	0.100	ND	80.2	80-120			
Kylene (o)	0 0418	0.00100	"	0.0500	ND	83.6	80-120			
Surrogate: a, a, a-Trifluorotoluene	0.0339		"	0.0400		84.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0344		,,	0.0400		86.0	80-120			

Rice Operating Co. 122 W. Taylor Project: Hobbs Jct. F-29-1A

Project Number: None Given

Fax: (505) 397-1471

Reported: 11/11/05 12:15

Hobbs NM, 88240 Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

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

Matrix Spike Dup (EK50810-MSD1)	Sou	rce: 5K03003	-01	Prepared &	Analyzed	11/08/05			
Benzene	0.0401	0.00100	mg/L	0.0500	ND	80.2	80-120	0.00	20
Toluene	0.0407	0.00100	"	0.0500	ND	81.4	80-120	0.490	20
Ethylbenzene	0.0404	0.00100	*	0.0500	ND	80.8	80-120	0.745	20
Xylene (p/m)	0.0812	0.00100	п	0.100	ND	81.2	80-120	1.24	20
Xylene (o)	0.0424	0.00100	,,	0.0500	ND	84.8	80-120	1.43	20
Surrogate: a,a,a-Trifluorotoluene	0.0335		"	0.0400		83.8	80-120		
Surrogate: 4-Bromosluorobenzene	0.0381		"	0.0400		95.2	80-120		

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

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 EK50703 - General Preparation (WetChem)									
Blank (EK50703-BLK1)				Prepared: 1	11/04/05 Aı	nalyzed: 11	/07/05			·
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EK50703-BS1)				Prepared: 1	1/04/05 Aı	nalyzed: 11	/07/05			
Sulfate	8.75		mg/L	10.0		87.5	80-120			
Chloride	8 00		"	10.0		80 0	80-120			
Calibration Check (EK50703-CCV1)				Prepared: 1	1/04/05 Aı	nalyzed: 11	/07/05			
Chloride	8.13	,	mg/L	10.0		81.3	80-120			
Sulfate	8.85		н	10.0		88.5	80-120			
Duplicate (EK50703-DUP1)	Sou	rce: 5K02009-	-01	Prepared: 1	1/04/05 Ar	nalyzed: 11	/07/05			
Sulfate	105	10.0	mg/L		100			4.88	20	
Chloride	189	10.0	п		185			2.14	20	
Batch EK50803 - General Preparation (WetChem)									
Blank (EK50803-BLK1)				Prepared: 1	1/03/05 Ar	nalyzed: 11	/04/05			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EK50803-DUP1)	Sou	rce: 5K02009-	-01	Prepared: 1	1/03/05 At	nalyzed: 11	/04/05			
Total Dissolved Solids	736	5.00	mg/L		762			3.47	5	
Batch EK50912 - General Preparation (WetChem)									
Blank (EK50912-BLK1)				Prepared &	Analyzed:	11/09/05				

Rice Operating Co. 122 W. Taylor

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Fax: (505) 397-1471

Reported: 11/11/05 12:15

Hobbs NM, 88240 Project Manager: Kristin Farris-Pope

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

1		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK50912 - General Preparation	(WetChem)					_				

Batch EK50912 - General Preparation (WetChe

Duplicate (EK50912-DUP1)	Source	e: 5K02009-	-01	Prepared & Ana	lyzed: 11/09/05				
Total Alkalinity	206	4.00	mg/L	2	08		0.966	20	
Reference (EK50912-SRM1)				Prepared & Ana	lyzed: 11/09/05				
Bicarbonate Alkalinity	229		mg/L	200	114	80-120			

Project: Hobbs Jct. F-29-1A

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

Fax: (505) 397-1471

Reported: 11/11/05 12:15

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 EK50907 - 6010B/No Digestion										
Blank (EK50907-BLK1)				Prepared &	Analyzed:	11/09/05				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100								
Potassium	ND	0.0500	**							
Sodium	ND	0.0100	11							
Calibration Check (EK50907-CCV1)				Prepared &	Analyzed:	11/09/05				
Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	2 14		н	2.00		107	85-115			
Potassium	1.89		"	2.00		94.5	85-115			
Sodium	1.88		ıı	2 00		94.0	85-115			
Duplicate (EK50907-DUP1)	Sou	rce: 5K02009-	01	Prepared &	Analyzed:	11/09/05				
Calcium	146	0.500	mg/L		136			7.09	20	
Magnesium	24.7	0.0100	п		24.4			1.22	20	
Potassium	4.71	0.0500	п		4.79			1.68	20	
Sodium	87.3	0.500	**		85.0			2.67	20	

Rice Operating Co.Project:Hobbs Jct. F-29-1AFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope11/11/05 12:15

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 Relative Percent Difference RPD LCS Laboratory Control Spike MS Matrix Spike Dup Duplicate

Report Approved By:

11/11/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director La Tasha 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

	kpriceswd@valomet.com any	=								g	Project Name: Project #:	oct Name: Project #:	١ ا	19	Q	sag	3	7		F-29-1A	7	4	. ,
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City/State/Zip. Hobbs, New Mexico 88240					de la companya de la			1				O.	4						-				
Telephone No: (505) 393-9174		Fex No: (505) 397-147	9	97-1	471			1															
Sampler Signature: Rozanne Johnson (505) 631-9346	9340 X &	Lot	11	ام																			
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Special Instructions: PLEASE Email RESULTS TO	TO: kpriceswd@valornet.com & mfranks@riceswd.com	alomet.c	mo	E	Ta.	KS @	i Ž	M.S.	D D	E		10 21 O F	Saniple Containers Intect? Latrels on containe? Custody Seals Portainer Temperature Upon Receip	S Se du ca	宣报 第二	11年の日本	6 E		NAM T	\ = C]z		1
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Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client: <u>Q(C) 07.</u>					
Date/Time: 11/2/05 2:05					
Order#: <u>5/202</u> 010					
Initials:					
Sample Receipt	Checkli	st			
Temperature of container/cooler?	Yes	No	1.0	C	
Shipping container/cooler in good condition?	Yes	No			
Custody Seals intact on shipping container/cooler?	Tes T	No	Not preser		-
Custody Seals intact on sample bottles?	Ves	No	Not preser	to the same and the same and	
Chain of custody present?	Ves	No		-	
Sample Instructions complete on Chain of Custody?	Yes	Na			
Chain of Custody signed when relinquished and received?	(Cas	No	and the second s		
Chain of custody agrees with sample label(s)	6	No			
Container labels legible and intact?) Yeas	No	and the second state of the second		
Sample Matrix and properties same as on chain of custody?	(Fas	No			
Samples in proper container/bottle?	V E3	No			
Samples properly preserved?	Xes	No			
Sample bottles intact?	Xes	No			
Preservations documented on Chain of Custody?	Xes	No			
Containers documented on Chain of Custody?	AE6	No	<u> </u>		
Sufficient sample amount for indicated test?	(Yes)	No	. 		
All samples received within sufficient hold time?	Yes	No			
VOC samples have zero headspace?	Yes	No	Not Applical	ble	
Other observations:		المار و المار المار و المار و المار و المار		د من	
Contact Person: - Date/Time:			Contacted t	oy:	
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Corrective Action Taken:	ardynald Parledonner _{me} rcenne eller ell lei fer	Andrew St.			STATE COMES OF A A MARKET AND A SECURITY OF THE SECURITY OF TH
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