1R-428-41

REPORTS

DATE

2-12-07

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 12, 2007

Wayne Price Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

RE:

2006 Annual Ground Water Monitoring Report

I-29 Vent, Sec 29, T18S, R38E, Unit "I" NMOCD Case #: Pending / (4 18 - 4)

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the I-29 Vent site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

- 1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
- 2. Graphs showing chemical concentration vs. time for chloride and TDS.
- 3. Laboratory data sheets associated with the routine sampling for 2006.

The Correction Action Plan will be submitted to NMOCD by June 18, 2007.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of the annual report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,

R.T. Hicks Consultants, Ltd.

Randall T. Hicks

Principal

Copy: Hobbs NMOCD office; Rice Operating Company

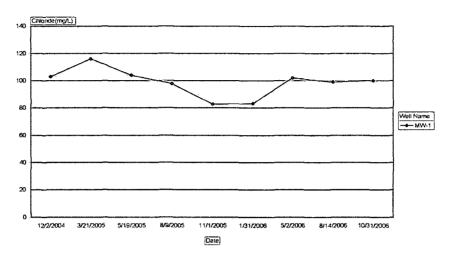
Table 1: chemistry over time

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Comments	red; silty	red; silty						Clear with some sand	No odor Clear with some sand	
TDS (mg/L) Benzene (ug/L) Toluene (ug/L) EthylBenzene (ug/L) Total Xylenes (ug/L) Comments	<0.001	<0.001	<0.001	<0.001	J[0.000799]	<0.001	<0.001	<0.001	<0.001	
EthylBenzene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Toluene (ug/L)	<0.001	<0.001	<0.001	<0.001	j[0.000346}	<0.001	<0.001	<0.001	<0.001	
Benzene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
TDS (mg/L)	521	617	647	538	009	508	572	526	454	
Sulfate (mg/L)	7.76	99.96	89.7	87.5	89	59.6	9.69	62.9	80.3	
Chloride (mg/L)	103	116	104	7.76	82.7	83.1	102	98.9	100	
DTW (ft)	68.12	67.52	67.44	67.53	67.45	67.74	99.79	68.09	67.92	
Date	12/2/2004	3/21/2005	5/19/2005	8/9/2005	11/1/2005	1/31/2006	5/2/2006	8/14/2006	10/31/2006	
Well Name	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	

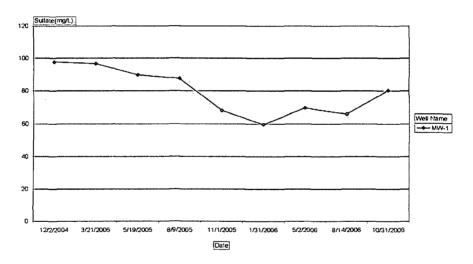
Site Name I-29 Vent

Chloride Over Time



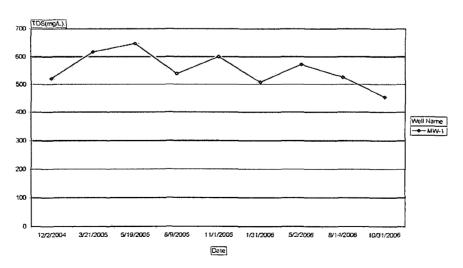
Site Name I-29 Vent

Sulfate Over Time

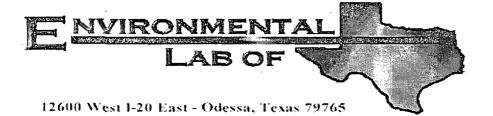


Site Name I-29 Vent

TDS Over Time



R.T. Hicks Consultants, Ltd.



Analytical Report

Prepared for:

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

Project: Hobbs I-29 Vent
Project Number: None Given
Location: Lea County

Lab Order Number: 6B02002

Report Date: 02/09/06

Project: Hobbs I-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 02/09/06 16:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6B02002-01	Water	01/31/06 10:45	02/02/06 09:00

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02002-01) Water					 ,				
Benzene	ND	0.00100	mg/L	1	EB60304	02/03/06	02/07/06	EPA 8021B	
Toluene	ND	0.00100	п	"	D.	"	II.	41	
Ethylbenzene	ND	0.00100	н	и	**	11	D	19:	
Xylene (p/m)	ND	0.00100		и		*	n	•	
Xylene (o)	ND	0.00100	и		` "	11	п		
Surrogate: a,a,a-Trifluorotoluene		105 %	80-12	0	"	"	. "	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-12	Ò	"	,,	"	11	

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02002-01) Water									
Total Alkalinity	168	2.00	mg/L	1	EB60901	02/08/06	02/08/06	EPA 310.1M	
Chloride	83.1	5.00	v	10	EB60614	02/04/06	02/06/06	EPA 300.0	
Total Dissolved Solids	508	5.00	**	1	EB60302	02/02/06	02/02/06	EPA 160.1	
Sulfate	59.6	5.00	~ "	10	EB60614	02/04/06	02/06/06	EPA 300.0	

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02002-01) Water									
Calcium	81.1	0.100	mg/L	10	EB60903	02/08/06	02/09/06	EPA 200.7	
Magnesium	15.8	0.0100	lt.	и	п	н	n	**	
Potassium	3.74	0.0500	**	1	n	,	71	"	
Sodium	53.8	0.100	**	10	11	n	R	н	

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

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 EB60304 - EPA 5030C (GC)										
Blank (EB60304-BLK1)				Prepared:	02/03/06 Ar	nalyzed: 02	2/07/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	n							
Ethylbenzene	ND	0.00100						~		
Xylene (p/m)	ND	0.00100	n							
Xylene (o)	ND	0.00100	n					•		
Surrogate: a,a,a-Trifluorotoluene	38.0		ug/l	40.0		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	32.4		"	40.0		81.0	80-120			
LCS (EB60304-RS1)				Prepared:	02/03/06 Ar	nalyzed: 02	/06/06			
Benzene	0.0463	0.00100	mg/L	0.0500		92.6	80-120			
Гоічене	0.0483	0.00100		0.0500		96.6	80-120			
Ethylbenzene	0.0470	0.00100	. "	0.0500		94.0	80-120			
Xylene (p/m)	0.0883	0.00100	**	0.100		88.3	80-120			
Xylene (o)	0.0433	0.00100		0.0500		86.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.6		ug/l	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	3 5 .3		"	40.0		88.2	80-120			
Calibration Check (EB60304-CCV1)				Prepared: (02/03/06 An	alyzed: 02	/07/06			
Benzene	46.1		ug/l	50.0		92.2	80-120			
Гоluene	50.2		**	50.0		100	80-120			
Ethylbenzene	50.8		**	50.0		102	80-120			
Xylene (p/m)	94.4		11	100		94.4	80-120			
Xylene (o)	47.4		11	50.0		94.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.7		'n	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	35.9		n	40.0		89.8	80-120			
Matrix Spike (EB60304-MS1)	Sou	rce: 6A30005-	06	Prepared: (02/03/06 An	alyzed: 02	/07/06			
Benzene	0.0488	0.00100	mg/L	0.0500	0.00119	95.2	80-120	-		
Toluene	0.0496	0.00100	Ħ	0.0500	0.000302	98.6	80-120			
Ethylbenzene	0.0514	0.00100	*	0.0500	0.000224	102	80-120			
Xylene (p/m)	0.0975	0.00100	**	0.100	0.000882	96.6	80-120			
Xylene (o)	0.0496	0.00100	н	0.0500	ND	99.2	80-120			
Surrogate: a,a.a-Trifluorotoluene	42.5		ug/l	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	44.8		"	40.0		112	80-120			

Project Number: Hobbs I-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 02/09/06 16:25

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 EB60304 - EPA 5030C (GC)										
Matrix Spike Dup (EB60304-MSD1)	Sour	ce: 6A30005-	06	Prepared: (02/03/06 A	nalyzed: 02	2/06/06			

Matrix Spike Dup (EB60304-MSD1)	Sour	Prepared: 02/03/06 Analyzed: 02/06/06							
Benzene	0.0460	0.00100	mg/L	0.0500	0.00119	89.6	80-120	6.06	20
Toluene	0.0477	0.00100	н	0.0500	0.000302	94.8	80-120	3.93	20
Ethylbenzene	0.0501	0.00100	n	0.0500	0.000224	99.8	80-120	2.18	20
Xylene (p/m)	0.0938	0.00100	11	0.100	0.000882	92.9	80-120	3.91	20
Xylene (o)	0.0483	0.00100	"	0.0500	ND	96.6	80-120	2.66	20
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/l	40.0		101	80-120		
Surrogate: 4-Bromofluorobenzene	41.5		"	40.0		104	80-120		

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB60302 - General Preparation (V	VetChem)									
Blank (EB60302-BLK1)				Prepared &	Analyzed:	02/02/06				
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EB60302-DUP1)	Sour	ce: 6B01010-	01	Prepared &	Analyzed:	02/02/06				
Total Dissolved Solids	790	5.00	mg/L	•	794			0.505	5	
Batch EB60614 - General Preparation (V	VetChem)									
Blank (EB60614-BLK1)				Prepared: ()2/04/06 A	nalyzed: 02	2/06/06			
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	п							
LCS (EB60614-BS1)				Prepared: ()2/04/06 A	nalyzed: 02	2/06/06			
Chloride	8.99		mg/L	10.0	,	89.9	80-120			
Sulfate	8.40		. "	10.0		84.0	80-120			
Calibration Check (EB60614-CCV1)				Prepared: 0)2/04/06 A	nalyzed: 02	2/06/06			
Chloride	8,93	-	mg/L	10.0		89.3	80-120			
Sulfate	8.63		n	10.0		86.3	80-120			
Duplicate (EB60614-DUP1)	Sour	ce: 6B01010-	01	Prepared: 0)2/04/06 A	nalyzed: 02	2/06/06			
Chloride	224	5.00	mg/L		206			8.37	20	
Sulfate	72.9	5.00	**		66.5			9.18	20	
Batch EB60901 - General Preparation (V	VetChem)									
Blank (EB60901-BLK1)				Prepared &	Analyzed:	02/08/06				
Total Alkalinity	ND	2.00	mg/L							

Rice Operating Co.Project:Hobbs 1-29 VentFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope02/09/06 16:25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB60901 - General Preparation	on (WetChem)									
LCS (EB60901-BS1)				Prepared &	. Analyzed:	02/08/06				
Bicarbonate Alkalinity	210	2.00	mg/L	200		105	85-115			
Duplicate (EB60901-DUP1)	Sour	ce: 6B01010-	01	Prepared &	: Analyzed:	02/08/06				•
Total Alkalinity	192	2.00	mg/L		191			0.522	20	
Reference (EB60901-SRM1)				Prepared &	Analyzed:	02/08/06				
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Reported: 02/09/06 16:25

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 EB60903 - 6010B/No Digestion	A COURT			20101						
Blank (EB60903-BLK1)				Prepared:	02/08/06 A	nalyzed: 02	2/09/06			•
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0,00100	"							
Potassium	ND	0.0500	14							
Sodium	ND	0.0100	11							
Calibration Check (EB60903-CCV1)				Prepared: (02/08/06 A	nalyzed: 02	2/09/06			
Calcium	2.06		mg/L	2.00		103	85-115			
Magnesium	2.05		"	2.00		102	85-115		•	
Potassium	1.92		,,	2.00		96.0	85-115			
Sodium	1.90		"	2.00	•	95.0	85-115			
Duplicate (EB60903-DUP1)	Sou	rce: 6B01010-	01	Prepared: (02/08/06 A	nalyzed: 02	2/09/06			
Calcium	. 62,1	0.0100	mg/L	1 - 1 - 1	61.2			1.46	20	
Magnesium	43.5	0.0100	"		44.8			2.94	20	
Potassium	10.3	0.500			10.4			0.966	20	
Sodium	161	0.500	"		157			2.52	20	

Rice Operating Co.Project:Hobbs 1-29 VentFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope02/09/06 16:25

Notes and Definitions

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

	Kaland K Julus	$\stackrel{\sim}{\sim}$	
Report Approved By:	Karan C 1.0.	Date:	2/9/2006

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

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

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

Environmental Lab of Texas

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C. S. Tappedo

12600 West I-20 East Odessa, Texas 79765

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

kpriceswd@valornet.com	
Project Manager: Kristin Farris Pope kpri	Company Name RICE Operating Company

city/state/zip: Hobbs, New Mexico 88240 Company Address: 122 W. Taylor Street

Lea County

Project Loc:

₽O #:

Project #:

Project Name: Hobbs t-29 Vent

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Sampler Signature: Rozanne Johnson (505) 631-9349

Telephone No: (505) 393-9174

Email: rozanne@valornet.com

Fax No: (505) 397-1471

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

Client: Rice Op.				
Date/Time: 2/2/06 9:00				
Order#: 6802002				
Initials:				
	.	. ,		•
Sample Receipt	Checkii	No.	1 1,0 C	
Temperature of container/cooler?		No	1 100	
Shipping container/cooler in good condition?	Yes	No	Nict present	
Custody Seals intact on shipping container/cooler?	Y55	No		
Custody Seals intact on sample bottles?	Y@s	No	Not present	
Chain of custody present?	YES	No	<u> </u>	•
Sample Instructions complete on Chain of Custody?	YES		1 1	
Chain of Custody signed when relinquished and received?	Yes	No		
Chain of custody agrees with sample label(s)	(E)	No	*	*
Container labels legible and intact?	<u>(E)</u>	No		
Sample Matrix and properties same as on chain of custody?	YES	No		
Samples in procer container/bottle?	Yes	No_		
Samples properly preserved?	Yes 1	No		
Sample bottles intact?	<u>Yæs</u>	No	<u> </u>	
Preservations documented on Chain of Custody?	Yes	l No	!	
Containers documented on Chain of Custody?	Yes	No	 	
Sufficient sample amount for indicated test?	Yes	No No		
All samples received within sufficient hold time? VOC samples have zero headspace?	YES YES	l No	Not Applicable	
Other observations: * see attachedemail				
,			 	
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Variance Docu	monfativ	.		
Contact Person: - Rozagne Johnson Date/Time: oz-a			Contacted by: T	F== NACNA.
Regarding:				CEODE LINAMOLICE
* sample time				
O N. Askina Talana				
Corrective Action Taken:				
Client wants to reference container				
				

Jeanne McMurrey

From: To: "Rozanne Johnson" <rozanne@valornet.com>
"Jeanne McMurrey" <jeanne@elabtexas.com>

Sent:

Thursday, February 02, 2006 11:01 AM

Attach: Subject: Hobbs I-9 Vent.doc RE: Hobbs I-29 Vent sample

Jeanne,

Thanks for the email - I have attached a copy of my field notes which indicates the 10:45 time.

Rozanne

----Original Message----

From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]

Sent: Thursday, February 02, 2006 9:32 AM

To: Rozanne Johnson

Subject: Re: Hobbs I-29 Vent sample

Good Morning Rozanne,

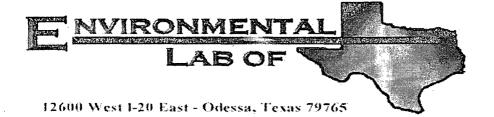
We received your samples for Hobbs I-29 Vent today. There is a discrepancy on the sample time. The COC says 0950 and the container says 1045. Which time would you like to reference? Let me know when you have the chance. Thanks,

Thanks, Jeanne

Jeanne McMurrey Environmental Lab of Texas I, Ltd. 12600 West I-20 East Odessa, Texas 79765 432-563-1800

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Analytical Report

Prepared for:

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

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

Lab Order Number: 6E04011

Report Date: 05/09/06

Project Number: Hobbs I-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:21

ANALYTICAL REPORT FOR SAMPLES

Sa uple ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6E04011-01	Water	05/02/06 12:09	05/04/06 10:50

Project Number: Hobbs 1-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:21

Organics by GC Environmental Lab of Texas

Anasyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E04011-01) Water						4,4			
Benzene	ND	0.00100	mg/L	1	EE60404	05/04/06	05/04/06	EPA 8021B	-
Toluene	ND	0.00100	н	"	,,	n	n		
Ethylbenzene	ND	0.00100	n	11	"	"	n .		
Xylene (p/m)	ND	0.00100	H	"	**	"	n		
Xylene (o)	ND	0.00100		1*	н		n	19	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-12	0	"	n	,,	9	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-12	0	n	"	n	n	

Rice Operating Co. 122 W. Taylor

Hobbs NM, 88240

Project: Hobbs I-29 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported: 05/09/06 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E04011-01) Water									
Total Alkalinity	168	2.00	mg/L	ſ	EE60814	05/09/06	05/09/06	EPA 310.1M	
Chloride	102	5.00		10	EE60507	05/04/06	05/04/06	EPA 300.0	
Total Dissolved Solids	572	5.00		1	EE60816	05/05/06	05/08/06	EPA 160.1	
Sulfate	69.6	5.00	•	- 10	EE60507	05/04/06	05/04/06	EPA 300.0	

Project Number: Hobbs 1-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:21

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

		Reporting			~				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E04011-01) Water					****			***********	
Calcium	98.9	0.100	mg/L	10	EE60811	05/08/06	05/08/06	EPA 200.7	_
Magnesium	19.4	0.0100		я	D	"		**	
Potassium	1.76	0.0500	0	1	n	п	*1	**	
Sodium	33.2	0.100	*1	10	n	•	11	н	

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Reported: 05/09/06 14:21

Organics by GC - Quality Control Environmental Lab of Texas

	_	Reporting		Spike	Source	A/R=2	%REC	Dr	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE60404 - EPA 5030C (GC)										
Blank (EE60404-BLK1)				Prepared &	Analyzed:	05/04/06				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"			-				
Ethylbenzene	ND	0.00100	*							
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	36.7		ug/l	40.0		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	33.6		"	40.0		84.0	80-120			
LCS (EE60404-BS1)				Prepared &	Analyzed:	05/04/06				
Benzene	0.0536	0.00100	mg/L	0.0500		107	80-120			
Toluene	0.0531	0.00100		0.0500		106	80-120			
Ethylbenzene	0.0509	0.00100	10	0.0500		102	80-120			
Xylene (p/m)	0.117	0.00100	*	0.100		117	80-120			
Xylene (o)	0.0573	0.00100	n	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.3		ug/l	40.0		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120			
Calibration Check (EE60404-CCV1)				Prepared: ()5/04/06 Ar	nalyzed: 05	/05/06			
Benzene	50.2		ug/l	50.0		100	80-120			
Toluene	49.3		"	50.0		98.6	80-120			
Ethylbenzene	53.0		n	50.0		106	80-120			
Xylene (p/m)	105		**	100		105	80-120			
Xylene (o)	52.4		11	50.0		105	80-120			
Surrogate: a,a,u-Trifluorotoluene	35.3		"	40.0		88.2	80-120			
Surrogate: 4-Bromofluorobenzene	38.2		"	40.0		95.5	80-120			
Matrix Spike (EE60404-MS1)	Sou	rce: 6E03003-	01	Prepared &	: Analyzed:	05/04/06				
Benzene	0.0626	0.00100	mg/L	0.0500	0.00562	114	80-120			
Toluene	0.0534	0.00100		0.0500	ND	107	80-120			
Ethylbenzene	0.0534	0.00100	"	0.0500	0.000825	105	80-120			
Xylene (p/m)	0.120	0.00100	l•	0.100	ND	120	80-120			
Xylene (o)	0.0577	0.00100	II.	0.0500	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.6		ug/l	40.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		96.5	80-120			

Project: Hobbs 1-29 Vent
Project Number: None Given

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

Fax: (505) 397-1471

Reported: 05/09/06 14:21

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Level	Result	%REC	%REC Limits	RPD	KPD Limit	Notes
Batch EE60404 - EPA 5030C (GC) Matrix Spike Dup (EE60404-MSD1)	Som	rce: 6E03003-	01	Prepared &	 ¿ Analvzed:	05/04/06	·····			
Benzene	0.0617	0.00100	mg/L	0.0500	0.00562	112	80-120	1.77	20	
Toluene	0.0526	0.00100	n	0.0500	ND	105	80-120	1.89	20	
Ethylbenzene	0.0532	0.00100	n	0.0500	0.000825	105	80-120	0.00	20	
Xylene (p/m)	0.117	0.00100	"	0.100	ND	117	80-120	2.53	20	
Xylene (o)	0.0565	0.00100	**	0.0500	ND	113	80-120	1.75	20	
Surrogate: a,a,a-Trifluorotoluene	40.9		ug/l	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	80-120			

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Reported: 05/09/06 14:21

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 EE60507 - General Preparation (WetChem)								· · · · · · · · · · · · · · · · · · ·		
Blank (EE60507-BLK1)	*			Prepared & Analyzed: 05/04/06							
Chloride	ND	0.500	mg/L								
Sulfate	ND	0.500	".								
LCS (EE60507-BS1)				Prepared &	Analyzed:	05/04/06					
Chloride	9.99	0.500	mg/L	10.0		99.9	80-120				
Sulfate	8.53	0.500	п,	10.0		85.3	80-120				
Calibration Check (EE60507-CCV1)				Prepared &	Analyzed:	05/04/06					
Chloride	10.4		mg/L	10.0		104	80-120				
Sulfate	9.15		**	10.0		91.5	80-120				
Duplicate (EE60507-DUP1)	Sou	rce: 6D28002-	02	Prepared &	Analyzed:	05/04/06			`		
Sulfate	52.7	0.500	mg/L		53.3			1.13	20		
Chloride	62.0	0.500	n		62.1			0.161	20		
Batch EE60814 - General Preparation (WetChem)										
Blank (EE60814-BLK1)				Prepared &	Analyzed:	05/09/06					
Total Alkalinity	ND	2.00	mg/L								
LCS (EE60814-BS1)				Prepared &	Analyzed:	05/09/06					
Bicarbonate Alkalinity	214	2.00	mg/L	200		107	85-115				
Duplicate (EE60814-DUP1)	Sou	rce: 6E04009-	01	Prepared &	Analyzed:	05/09/06					
Total Alkalinity	209	2.00	mg/L		208			0.480	20		
D 4 (DE 2004 (GD 144)				Dramarad Pr	Analyzed:	05/00/06					
Reference (EE60814-SRM1)				riepaieu &	Anaryzeu.	03/03/00					

Rice Operating Co.Project:Hobbs I-29 VentFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/09/06 14:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch EE60816 - Filtration Preparation												
Blank (EE60816-BLK1)	Prepared: 05/05/06 Analyzed: 05/08/06											
Total Dissolved Solids	ND	5.00	mg/L									
Duplicate (EE60816-DUP1)	Source: 6E04009-01)5/05/06 A	nalyzed: 05	/08/06					
Total Dissolved Solids	940	5.00	mg/L		904			3.90	5			

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Reported: 05/09/06 14:21

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 EE60811 - 6010B/No Digestion										
Blank (EE60811-BLK1)				Prepared &	Analyzed:	05/08/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	п							
Calibration Check (EE60811-CCV1)			Prepared &	Analyzed:	05/08/06					
Calcium	2.20		mg/L	2.00		110	85-115			
Magnesium	2.28		n	2.00		114	85-115			
Potassium	1.74		*1	2.00		87.0	85-115			
Sodium	1.84		"	2.00		92.0	85-115			
Duplicate (EE60811-DUP1)	Sou	rce: 6E04009-	01	Prepared &	Analyzed:	05/08/06				
Calcium	130	0.500	mg/L		128			1.55	20	
Magnesium	22.5	0.0100	**		23.2			3.06	20	
Potassium	4.11	0.0500	u		4.32			4.98	20	
Sodium	87.6	0.100	11		88.0			0.456	20	

Rice Operating Co.Project:Hobbs 1-29 VentFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/09/06 14:21

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

Dup

Matrix Spike
Duplicate

	Kaland KJulis		- 1- 1- 1- 1
Report Approved By:		Date:	5/9/2006

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

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

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Environmental Lab of Texas

12600 West I-20 East Odessa, Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

清波

THE P.

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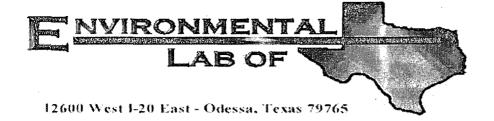
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Project Name: Hobbs I-29 Vent	Project #:	Project Loc: Lea County	PO#:			Analyze For:	TOTAL: X	Ð.	Other (specify): TPH: 418.1 8015M 1006 100 Calons (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3) Metals: As Ag Ba Cd Cr Pb Hg 5 Semivolatiles Total Dissolved Solids Total Dissolved Solids	×					Sample Containers Intract? & N	Custody Seals. ¿Offilainers / (Coeller Temperature. Upon Réceipt:	Time Laboratory Comments:	6.0/	Vine ViSS
kpope@riceswd.com				Fax No: (505) 397-1471	1310 Myse	(MV)		Preservative Matrix	Date Sampled Time Sampled No. of Containers HdO, HdO, HdO, HdO, HdO, HdO, HdO, HdO,	5/2/2006 12:09 3 X 2 1 X					TO: kpope@riceswd.com & mfranks@riceswd.com		Received by:	sampt Contract of Maler	Reserved by ELOT \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L}
Project Manager: Kristin Farris Pope kpope	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	City/State/Zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	sampler Signature: Rozanne Johnson (505) 631-9	mon toward on the contract of the			TAR # Hah i second	Monitor Well #1					Special Instructions: PLEASE Email RESULTS		Relinquisped to	Rozanne Johnson	Relinquished by: Ashaby 5/1/06 10:50

TAT brebnet2 ×

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

Client: LIVO DP.				
Date/Time: 5/4/04 (0:50)				
Order #: 10 = 040 U				
Initials:				
Sample Receipt	Checkli	st		
Temperature of container/cooler?	Yes	No I	0,5 C	
Shipping container/cooler in good condition?	YES	No	<u> </u>	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	X 255	No	Not present	
Chain of custody present?	Ves 1	No	, tot present	
Sample Instructions complete on Chain of Custody?	Y€s	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?	Y 95	No		
Sample Matrix and properties same as on chain of custody?	(185)	No		
Samples in proper container/bottle?		No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	(E)	No		
Preservations documented on Chain of Custody?	7755	No		
Containers documented on Chain of Custody?	(₹æs	No		
Sufficient sample amount for indicated test?		No		
All samples received within sufficient hold time?	(25)	No		
/OC samples have zero headspace?	(E)	No	Not Apolicable	
Other observations:		, , , , , , , , , , , , , , , , , , , ,		
		-	,	,
Variance Docu	mentatio	n:		
Dentact Person: Date/Time:			Contacted by:	
Regarding:				
Corrective Action Taken:				
{				



Analytical Report

Prepared for:

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

Project: Hobbs I-29 Vent
Project Number: None Given
Location: Lea County

Lab Order Number: 6H18007

Report Date: 08/28/06

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory 1D	Matrix	Date Sampled	Date Received
Monitor Well #1	6H18007-01	Water	08/14/06 08:15	08-18-2006 10:20

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6H18007-01) Water				·			1.0		
Benzene	ND	0.00100	mg/L	1	EH62121	08/21/06	08/21/06	EPA 8021B	
Toluene	ND	0.00100	н	"	**	н	lt-	#	
Ethylbenzene	ND	0.00100	H	н	"	Ir	n	*	
Xylene (p/m)	ND	0.00100	n	•	"	"	n	19	
Xylene (o)	ND	0.00100		11	11	u	n	10	
Surrogate: a,a,a-Trifluorotoluene		94.5 %	80-12)	"	"	"	**	
Surrogate: 4-Bromofluorobenzene		81.2 %	80-120)	"	,,	"	"	

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

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

Analyte Monitor Well #1 (6H18007-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	186	2.00	mg/L	1	EH62128	08/21/06	08/21/06	EPA 310.1M	
Chloride	98.9	5.00	u	10	EH62101	08/21/06	08/21/06	EPA 300.0	
Total Dissolved Solids	526	10.0	к	1	EH62303	08/18/06	08/22/06	EPA 160.1	
Sulfate	65.9	5.00	"	10	EH62101	08/21/06	08/21/06	EPA 300.0	

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6H18007-01) Water									
Calcium	84.3	0.810	mg/L	10	EH62313	08/23/06	08/23/06	EPA 200.7	
Magnesium	17.3	0.360		11	11	**	п	11	
Potassium	1.54	0.600	**	IF	11	п	n	tt	
Sodium	48.2	0.430	**	"	n.	n	*	н	

122 W. Taylor Hobbs NM, 88240 Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH62121 - EPA 5030C (GC)										
Blank (EH62121-BLK1)	·			Prepared: 0	08/21/06 A	nalyzed: 08	/22/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	**							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	*							
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/l	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	80-120			
LCS (EH62121-BS1)				Prepared &	: Analyzed:	08/21/06				
Benzene	0.0460	0.00100	mg/L	0.0500		92.0	80-120			
Toluene	0.0503	0.00100	н	0.0500		101	80-120			
Ethylbenzene	0.0463	0.00100	n	0.0500		92.6	80-120			
Xylene (p/m)	0.113	0.00100	u	0.100		113	80-120			
Xylene (o)	0.0565	0.00100	'n	0.0500		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.7		ug/l	40.0		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	45.0		"	40.0		112	80-120			
Calibration Check (EH62121-CCV1)				Prepared: 0)8/21/06 A	nalyzed: 08	/22/06			
Benzene	48.7		ug/l	50.0		97.4	80-120			
Toluene	52.3		u	50.0		105	80-120			
Ethylbenzene	57.3			50,0		115	80-120			
Xylene (p/m)	114			100		114	80-120			
Xylene (o)	57.6		*	50.0		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.7		"	40.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120			
Matrix Spike (EH62121-MS1)	Sou	ırce: 6H18007-	-01	Prepared: ()8/21/06 A	nalyzed: 08	/22/06			
Benzene	0.0464	0.00100	mg/L	0.0500	ND	92.8	80-120			
Toluene	0.0550	0.00100	**	0.0500	ND	110	80-120			
Ethylbenzene	0.0554	0.00100	н	0.0500	ND	111	80-120			
Xylene (p/m)	0.117	0.00100		0.100	ND	117	80-120			
Xylene (o)	0.0575	0.00100	"	0.0500	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.8		ug/l	40.0		104	80-120		1.1.00	
Surrogate: 4-Bromofluorobenzene	46.5		,,	40.0		116	80-120			

Project: Hobbs 1-29 Vent

Fax: (505) 397-1471

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

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC	RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH62121 - EPA 5030C (GC)						======	· ·			
Matrix Spike Dup (EH62121-MSD1)	Sou	rce: 6H18007-	01	Prepared: 0	8/21/06 A	nalyzed: 08	/22/06			
Benzene	0.0473	0.00100	mg/L	0.0500	ND	94.6	80-120	1.92	20	
Toluene	0.0535	0.00100	**	0.0500	ND	107	80-120	2.76	20	
Ethylbenzene	0.0549	0.00100	п	0.0500	ND	110	80-120	0.905	20	
Xylene (p/m)	0.120	0.00100	* п	0.100	ND	120	80-120	2.53	20	
Xylene (o)	0.0583	0.00100	и	0.0500	ND	117	80-120	1.72	20	
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Project: Hobbs 1-29 Vent

Fax: (505) 397-1471

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

Project Manager: Kristin Farris-Pope

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH62101 - General Preparation (WetChem)	_						_		
Blank (E1162101-BLK1)	,			Prepared &	Analyzed:	08/21/06				
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	n							
LCS (EH62101-BS1)				Prepared &	Analyzed:	08/21/06				
Sulfate	8.51	0.500	mg/L	10.0		85.1	80-120			
Chloride	10.0	0.500	"	10.0		100	80-120			
Calibration Check (EH62101-CCV1)				Prepared &	: Analyzed:	08/21/06				
Sulfate	8.34		mg/L	10.0		83.4	80-120			
Chloride	10.2		"	10.0		102	80-120			
Duplicate (EH62101-DUP1)	Sou	rce: 6H18007-	01	Prepared &	Analyzed:	08/21/06				
Sulfate	76.3	5.00	mg/L		65.9			14.6	20	
Chloride	105	5.00	"		98.9			5.98	20	
Duplicate (EH62101-DUP2)	Sou	rce: 6H18013-	04	Prepared &	Analyzed:	08/21/06				
Sulfate	331	5.00	mg/L		336	-		1.50	20	
Chloride	138	5.00	**		136			1.46	20	
Matrix Spike (EH62101-MS1)	Sou	rce: 6H18007-	01	Prepared &	Analyzed:	08/21/06				
Sulfate	172	5.00	mg/L	100	65.9	106	80-120			
Chloride	210	5.00	н	100	98.9	111	80-120			
Matrix Spike (EH62101-MS2)	Sou	rce: 6H18013-	04	Prepared &	: Analyzed:	08/21/06				
Sulfate	422	5.00	mg/L	100	336	86.0	80-120			
Chloride	224	5.00	**	100	136	88.0	80-120			

122 W. Taylor Hobbs NM, 88240 Project: Hobbs I-29 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH62128 - General Preparation (WetChem)									
Blank (EH62128-BLK1)				Prepared &	k Analyzed	08/21/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (EH62128-BS1)				Prepared &	& Analyzed	08/21/06				
Total Alkalinity	178		mg/L	200		89.0	85-115			
Duplicate (EH62128-DUP1)	Sourc	e: 6H18007-	-01	Prepared &	& Analyzed	08/21/06				
Total Alkalinity	186	2.00	mg/L		186			0.00	20	
Reference (EH62128-SRM1)				Prepared &	& Analyzed	08/21/06				
Total Alkalinity	248		mg/L	250		99.2	90-110	,		
Batch EH62303 - Filtration Preparation										
Blank (EH62303-BLK1)				Prepared:	08/18/06 A	nalyzed: 08	3/22/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EH62303-DUP1)	Sourc	e: 6H18007-	-01	Prepared:	08/18/06 A	nalyzed: 08	3/22/06			
Total Dissolved Solids	556	10.0	mg/L		526			5.55	5	I
Duplicate (EH62303-DUP2)	Sourc	e: 6H18013-	-04	Prepared &	& Analyzed	08/18/06				
Total Dissolved Solids	808	10.0	mg/L		930			14.0	5	

Project: Hobbs I-29 Vent

122 W. Taylor

Project Number: None Given

Fax: (505) 397-1471

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62313 - 6010B/No Digestion										
Blank (EH62313-BLK1)				Prepared &	Analyzed:	08/23/06				
Calcium	ND	0.0810	mg/L							****
Magnesium	ND	0.0360	**							
Potassium	ND	0.0600	**							
Sodium	ND	0.0430	11							
Calibration Check (EH62313-CCV1)				Prepared &	: Analyzed:	08/23/06				
Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	2.01		и	2.00		100	85-115			
Potassium	1.76		н	2.00		88.0	85-115			
Sodium	1.96		"	2.00		98.0	85-115			
Duplicate (EH62313-DUP1)	Sou	rce: 6H15005-	04	Prepared &	: Analyzed:	08/23/06				
Calcium	44.4	0.810	mg/L		45.9			3.32	20	
Magnesium	48.1	0.360	n		49.3			2.46	20	
Potassium	42.9	0.600	"		42.6			0.702	20	
Sodium	44.4	0.430	,,		43.5			2.05	20	

Rice Operating Co.
Project: Hobbs 1-29 Vent
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

R5 RPD is outside of historic values

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 KJulus		
Report Approved By:	Ramane	Date:	8/28/2006
			0 0 0 0

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

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

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

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

Environmental Lab of Texas

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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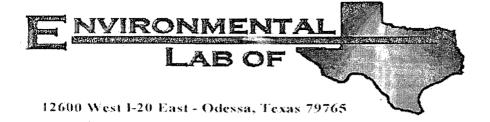
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Project Name: Hobbs 1-29 Vent	Project #:	Project Loc: Lea County	PO#:			TCLP. Analyze For.	95	Soil Other (specify): TPH: 418.1 8015M 1005 100 Calions (Ca, Mg, Na, K) Anions (Ci, SO4, CO3, HCO3) Melais: As Ag Ba Cd Cr Pb Hg 5 Semivolatiles Semivolatiles RTEX 8021B/6030 RCf N.O.R.M. Total Dissolved Soilds	× × × × × × × × × × × × × × × × × × ×					Sample Contenters Intact/ Labels on container? Custody Seals: Containers / GOB Temperature Upon Receipt:	Time Laboratory Comments: φ(D	\(\sigma \) \(\frac{\text{Time.}}{\text{C}}\)
воо 1713 kpope@riceswd.com				Fax No: (505) 397-1471	01		Freservative M	Date Sampled Time Sampled No. of Containers tea No. of Containers HCI (2) 40 ml glass visis HCGA AcSO Other (3) 1 Liter HDPE Other (5pecify) Sudge	8/14/2006 8:15 3 X 2 1 X					PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com <u>rozanne@valomet.com</u>	Received by: Date James	Received by ELOT. (W. 2.2.) (N. 18 O. 1.2.)
12600 West 1-20 East Phone: 432-563-1800 Odessa, Texas 79765 Fax: 432-563-1713 Project Manager: Kristin Farris Pope kpope@ri	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/state/zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310	Email: rozanne@valornet.com		LAB# (fab use only)	Monitor Well #1					Special Instructions: PLEASE Email RESULTS T tozanne@valornet.com	2 Jaly 18/04 5:30	Relinguished by: Date Time Re-

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

Client: Rice DO-			
Date/ Time: 8/18/06 10:20			
Lab ID#: Tet 118007			
Initials:			
Initials.			
Sample Receipt C	Checklist		
			Client Initials
#1 Temperature of container/ cooler?	Yes	No	4.0 °C
#2 Shipping container in good condition?	χes	No	
#3 Custody Seals intact on shipping container/ cooler?	Xes	No	Not Present
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5 Chain of Custody present?	У́ е s	No	
#6 Sample instructions complete of Chain of Custody?	Yes	No	
#7 Chain of Custody signed when relinquished/ received?	X es	No	
#8 Chain of Custody agrees with sample label(s)?	γ́e\$	No	ID written on Cont./ Lid
#9 Container label(s) legible and intact?	Ye)s	No	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	X∕e)s	No	
#11 Containers supplied by ELOT?	//es	No	
#12 Samples in proper container/ bottle?	Yes	No	See Below
#13 Samples properly preserved?	Yes	No	See Below
#14 Sample bottles intact?	¥es	No	
#15 Preservations documented on Chain of Custody?	Yes	No	
#16 Containers documented on Chain of Custody?) es	No	
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18 All samples received within sufficient hold time?	Yes _	No	See Below
#19 VOC samples have zero headspace?	Yes	No	Not Applicable
Variance Docum	entation		
Contact: Contacted by:			Date/ Time:
Regarding:			
Corrective Action Taken:			
Check all that Apply: See attached e-mail/ fax Client understands and would Cooling process had begun sl	· · · · · · · · · · · · · · · · · · ·		•



Analytical Report

Prepared for:

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

Project: Hobbs I-29 Vent Project Number: None Given

Location: T18S, R38E, Sec.29 I- Lea County, NM

Lab Order Number: 6K03009

Report Date: 11/10/06

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6K03009-01	Water	10/31/06 09:20	11-03-2006 11:45

Project: Hobbs I-29 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03009-01) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	EPA 8021B	
Toluene	ND	0.00100	D	•	н	ıı	11	11	
Ethylbenzene	ND	0.00100	n			ii .	11	u	
Xylene (p/m)	ND	0.00100		n	п	"	n .	n	
Xylene (o)	ND	0.00100		**	"	n .	n	**	
Surrogate: a,a,a-Trifluorotoluene		92.8 %	80-12	20	"	. "	n	"	
Surrogate: 4-Bromofluorobenzene		83.2 %	80-12	20	,,	"	"	"	

122 W. Taylor

Hobbs NM, 88240

Project: Hobbs 1-29 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte Monitor Well #1 (6K03009-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	184	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310,1M	
Chloride	100	5.00	b	10	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	454	10.0	и	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	80.3	5.00	n.	10	EK60602	11/06/06	11/06/06	EPA 300.0	

Project: Hobbs 1-29 Vent

Fax: (505) 397-1471

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

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6K03009-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	80.8	0.810	mg/L	10	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	16.3	0.360	"	н		**	0	n	
Potassium	1.56	0.600	и	н	n	n	IF	и	
Sodium	42.7	0.430	п	11	,,	**	"	le .	

Project: Hobbs I-29 Vent

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

Fax: (505) 397-1471

Organics by GC - Quality Control Environmental Lab of Texas

	p. 2-	Reporting	31 - 24	Spike	Source	A/DEC	%REC	D DD	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK60807 - EPA 5030C (GC)										
Blank (EK60807-BLK1)				Prepared &	Analyzed:	11/08/06				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00100	11							
Xylene (o)	ND	0.00100	**							
Surrogate: a,a,a-Trifluorotoluene	39.7		ug/l	40.0		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	36.0		"	40.0		90.0	80-120			
LCS (EK60807-BS1)				Prepared &	: Analyzed:	11/08/06				
Benzene	0.0505	0.00100	mg/L	0.0500		101	80-120			
Toluene	0.0455	0.00100	11	0.0500		91.0	80-120			
Ethylbenzene	0.0450	0.00100	"	0.0500		90.0	80-120			
Xylene (p/m)	0.0963	0.00100	"	0.100		96.3	80-120			
Xylene (o)	0.0469	0.00100		0.0500		93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.7		ug/l	40.0		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	. 42.3		"	40.0		106	80-120		•	
Calibration Check (EK60807-CCV1)				Prepared: 1	1/08/06 A	nalyzed: 11	1/09/06			
Benzene	53.7		ug/l	50.0		107	80-120			
Toluene	46.9		"	50.0		93.8	80-120			
Ethylbenzene	48.0		"	50.0		96.0	80-120			
Xylene (p/m)	93.1		. "	100	-	93.1	80-120			
Xylene (o)	45.8		**	50.0		91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.4		. "	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	35.5		"	40.0		88.8	80-120			
Matrix Spike (EK60807-MS1)	Sou	rce: 6K03002-	-01	Prepared: 1	1/08/06 A	nalyzed: 11	1/09/06			
Benzene	0.0549	0.00100	mg/L	0.0500	ND	110	80-120			
Toluene	0.0474	0.00100		0.0500	ND	94.8	80-120			
Ethylbenzene	0.0462	0.00100	,,	0.0500	ND	92.4	80-120			
Xylene (p/m)	0.0939	0.00100	n	0.100	ND	93.9	80-120			
Xylene (o)	0.0451	0.00100	н	0.0500	ND	90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.5		ug/l	40.0		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	37.4		n	40.0		93.5	80-120			

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Limit	Notes
Batch EK60807 - EPA 5030C (GC)										
Matrix Spike Dup (EK60807-MSD1)	Sou	rce: 6K03002-	01	Prepared: 1	1/08/06 A	Analyzed: 11/09/06				
Benzene	0.0554	0.00100	mg/L	0.0500	ND	111	80-120	0.905	20	
Toluene	0.0504	0.00100	*	0.0500	ND	101	80-120	6.33	20	
Ethylbenzene	0.0472	0.00100	"	0.0500	ND	94.4	80-120	2.14	20	
Xylene (p/m)	0.105	0.00100	"	0.100	ND	105	80-120	11.2	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	14.2	20	
Surrogate: a,a,a-Triftuorotoluene	39.4		ug/l	40.0		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	42.5		"	40.0		106	80-120			

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60209 - Filtration Preparation										
Blank (EK60209-BLK1)				Prepared: 1	11/02/06 A	nalyzed: 11	/03/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EK60209-DUP1)	Sou	rce: 6K01015	-01	Prepared: 11/02/06 Analyzed: 11/03/06						
Total Dissolved Solids	696	10.0	mg/L		702			0.858	5	
Duplicate (EK60209-DUP2)	Sou	rce: 6K03008	-04	Prepared: 11/03/06 Analyzed: 11/06/06						
Total Dissolved Solids	500	10.0	mg/L		492			1.61	5	
Batch EK60602 - General Preparation (W	etChem)									
Blank (EK60602-BLK1)			_	Prepared &	Analyzed:	11/06/06				
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	**							
LCS (EK60602-BS1)				Prepared &	Analyzed:	11/06/06				
Sulfate	9.30	0.500	mg/L	10.0	-	93,0	80-120			
Chloride	10.2	0.500	u	10.0		102	80-120			
Calibration Check (EK60602-CCV1)				Prepared &	Analyzed:	11/06/06				
Chloride	10.0		mg/L	10.0		100	80-120			
Sulfate	10,9		**	10.0		109	80-120			
Duplicate (EK60602-DUP1)	Source: 6K03002-01		-01	Prepared &	Analyzed:	11/06/06				
Sulfate	508	5.00	mg/L		511			0.589	20	
Chloride	45.8	5.00	п		45.4			0.877	20	
Duplicate (EK60602-DUP2)	Sour	rce: 6K03008-	-04	Prepared &	Analyzed:	11/06/06				
Sulfate	116	5.00	mg/L		115			0.866	20	

44.5

5.00

Chloride

44.2

0.676

20

122 W. Taylor

Hobbs NM, 88240

Project: Hobbs 1-29 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

		Reporting Spi			Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK60602 - General Preparatio	n (WetChem)									
Matrix Spike (EK60602-MS1)	Source	ce: 6K03002-	01	Prepared &	Analyzed:	11/06/06				
Chloride	148	5.00	mg/L	100	45.4	103	80-120			
Sulfate	613	5.00	11	100	511	102	80-120			
Matrix Spike (EK60602-MS2)	Source	ce: 6K03008-	04	Prepared &	Analyzed:	11/06/06				
Sulfate	214	5.00	mg/L	100	115	99.0	80-120			
Chloride	150	5.00	"	100	44.2	106	80-120			
Batch EK60711 - General Preparation Blank (EK60711-BLK1)	n (WetChem)			Prepared &	¿ Analyzed:	11/07/06				
	n (WetChem)	2.00	mg/L	Prepared &	Analyzed	11/07/06				
Blank (EK60711-BLK1)		2.00	mg/L		λ Analyzed:		P-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
Blank (EK60711-BLKI) Total Alkalinity		2.00	mg/L		<u> </u>		85-115			
Blank (EK60711-BLKI) Total Alkalinity LCS (EK60711-BSI)	ND 202		mg/L	Prepared &	<u> </u>	11/07/06	85-115			
Blank (EK60711-BLKI) Total Alkalinity LCS (EK60711-BSI) Total Alkalinity Duplicate (EK60711-DUPI)	ND 202	2.00	mg/L	Prepared &	k Analyzed:	11/07/06	85-115	1.68	20	
Blank (EK60711-BLKI) Total Alkalinity LCS (EK60711-BSI) Total Alkalinity	ND 202 Source	2.00 ce: 6 K03008 -	mg/L -01	Prepared & 200 Prepared &	ż Analyzed: ż Analyzed:	11/07/06 101 11/07/06	85-115	1.68	20	

Project: Hobbs 1-29 Vent

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

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60712 - 6010B/No Digestion										
Blank (EK60712-BLK1)				Prepared &	: Analyzed:	11/07/06				
Calcium	ND	0.0810	mg/L							-
Magnesium	ND	0.0360	11							
Potassium	ND	0.0600								
Sodium	ND	0.0430	,							
Calibration Check (EK60712-CCV1)				Prepared & Analyzed: 11/07/06						
Calcium	2.26		mg/L	2.00		113	85-115			
Magnesium	2.12			2.00		106	85-115			
Potassium	1.73		n	2.00		86.5	85-115			
Sodium	2.13		"	2.00		106	85-115			
Duplicate (EK60712-DUP1)	Sou	rce: 6K03002-	01	Prepared &	: Analyzed:	11/07/06				
Calcium	84.4	0.810	mg/L		83.8			0.713	20	
Magnesium	40.5	0.360			38.9			4.03	20	
Potassium	7.74	0.600	n		8.13			4.91	20	
Sodium	110	2.15			117			6.17	20	

Rice Operating Co.

Project: Hobbs I-29 Vent
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471
Kristin Farris-Pope

Notes and Definitions

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

Dup

Duplicate

	Kaland KJulis		
Report Approved By:	Randing 110	Date:	11/10/2006

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

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

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

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

Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

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

FedEx Lone Star □ NPDES Project Loc: T18S R38E Sec29 I ~ Lea County New Mexico RUSH TAT (Pre-Schedule) 24, 48, 72 hrs ٠, S Fotal Dissolved Solids 0 TRRP M.S.O.M. SCI Sample-Containers Intact? Cabels on container(s)
Custody seals on container(s)
Custody seals on cooler(s) Hobbs I-29 Vent Temperature Upon Receipt: Sample Hand Delivered by Sample Rep. ? /OCs Free of Headspace? BLEX 80X18/2030 of BLEX 8X20 sayyejonimag Analyze Report Format: X Standard Metals: Ya Ya ga Cq Ct bp Ha Se 07.PE SAR / ESP / CEC (X), SO4, Alkalinily) Project Name: Project#: PO #: Cations (Ca, Mg, Na, K) 11.45 9001 XT 2001 XT Hd 6:03 Time 86108 Mat08 1.814 Hall ≷ 1-306 Other (Specify) rozanne@valornet.com Agent Politic (1) and N COSSEN NaOH (505) 397-1471 *0\$*H टोडांv टरडांष्ट्र कि 🕪 (S) 🖒 H FONH 90[m Cotal #, of Containers benebiiri bla E/mail: Fax No: 9:20 Time Sampled kpope@riceswd.com 10/31/2006 Date Sampled Received Ending Depth Hobbs, New Mexico 88240 6:02 1:45 RICE Operating Company Sampler Signature: Rozanne Johnson (505)631-9310 Beginning Depth 122 W. Taylor Street Kristin Farris Pope 11-3-02 1-3-01 (505) 393-9174 FIELD CODE Company Address: Company Name Project Manager: Monitor Well #1 Telephone No: City/State/Zip: Special Instructions: ORDER #: (lab use only) (Yino seu del) # 8A.

TAT brebnet2

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

Nient: 400 00-				
10/51				
Date/ Time: 113/06 11.45				
ab ID#: <u>VKD3009</u>				
nitials:				
				•
Sample Receipt	Checklist			
·				Client Initials
#1 Temperature of container/ cooler?	Yes	No	0.5 °C	
#2 Shipping container in good condition?	Xes)	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes.	No	Not Present	
#5 Chain of Custody present?	(} es	No		
#5 Sample instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	yes .	No		
#8 Chain of Custody agrees with sample label(s)?	Yeş	No	1D written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yeş	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Ves	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Xes	No	See Below	
#13 Samples properly preserved?	Ø∕es	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	X/es,	· No		
#16 Containers documented on Chain of Custody?	Yes .	No	**************************************	
#17 Sufficient sample amount for indicated test(s)?	703	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	·
#19 VOC samples have zero headspace?	Yés)	No	Not Applicable	
		L	-l	<u>-i</u>
Variance Docur	nentation			
		•		
Contact: Contacted by:			Date/ Time:	
		-		
Regarding:				•
Corrective Action Taken:				
			•	
	<u></u>			·
				
Check all that Apply: See attached e-mail/ fax				
Client understands and would			· ·	
Cooling process had begun:	shortly after	sampling	event	