

AP - 60

**ANNUAL
MONITORING REPORT**

YEAR(S):
2005

RICE Operating Company

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

35

PM 1

3

2006 APR

CERTIFIED MAIL

RETURN RECEIPT NO. 7005 1820 0001 6804 7920

March 29, 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 MONITOR WELL REPORT/SAMPLING SUMMARY
JUNCTION K-33-1, EME SWD SYSTEM
UNIT 'K', SEC. 33, T19S, R37E
NMOCD CASE #1R0427-92**

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2005 Monitor Well Report for the EME K-33-1 junction box site located in the Eunice Monument Eumont (EME) Salt Water Disposal (SWD) System. One monitoring well was installed in 2002 during the delineation of the K-33-1 junction box. This well is sampled quarterly pursuant to New Mexico Oil Conservation Division (OCD) guidelines and the chemical analyses of the water samples are enclosed. In 2006, Arc Environmental Services of Lovington, New Mexico will sample the well and Environmental Lab of Texas of Odessa will continue to conduct analytical tests of the water samples.

Whole Earth Environmental, Inc. (Whole Earth) of Houston, Texas has been contracted by ROC to address groundwater concerns at this site. In 2005, the OCD required this site subject to Rule 19 (Section 19.15.1.19 NMAC) regulation. A Stage 1 Abatement Plan was submitted by Whole Earth to OCD on December 12, 2005. At the time of this report, public notice for this Stage 1 Abatement Plan is ongoing and OCD approval is pending.

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

consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

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

RICE OPERATING COMAPANY

A handwritten signature in cursive script that reads "Kristin Farris Pope".

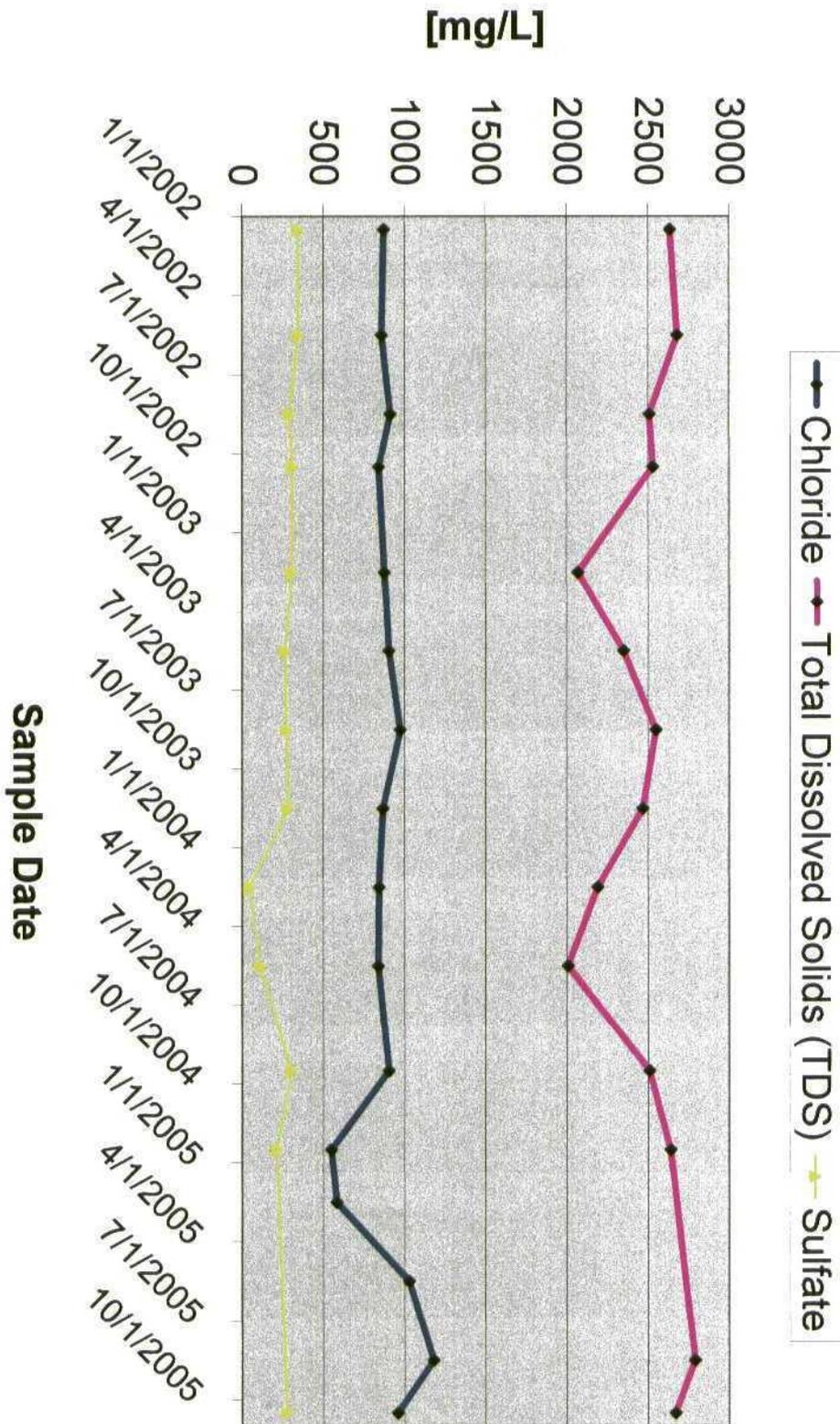
Kristin Farris Pope
Project Scientist

enclosures: Summary table & graph
 Analytical results
 map

cc: LBG, CDH, Whole Earth, file, Rob Roy Industries,

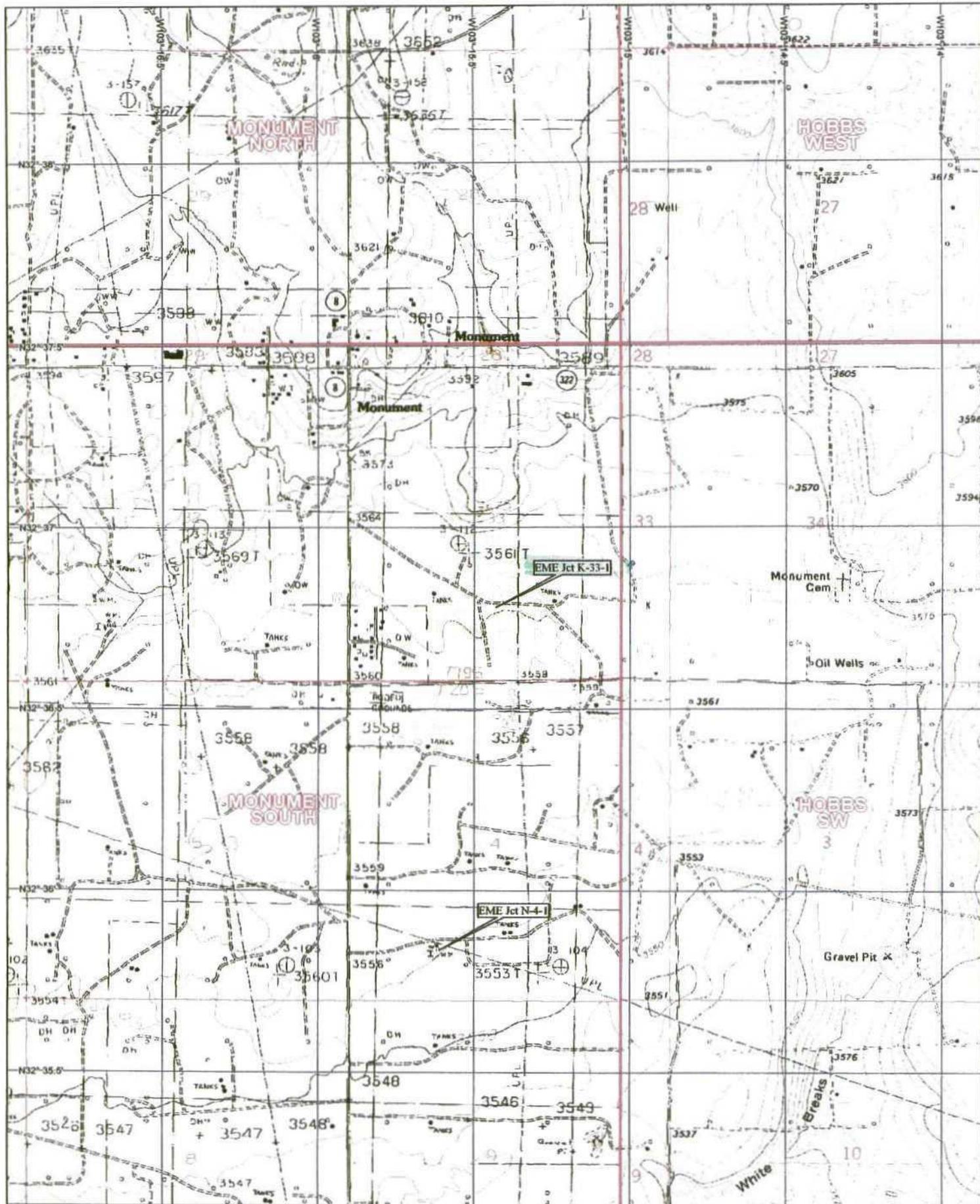
Daniel Sanchez
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

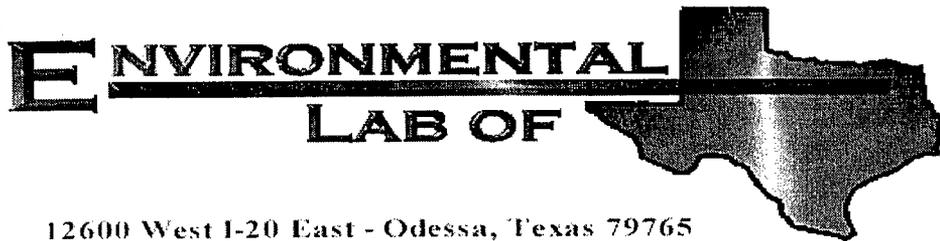
EME Jct. K-33-1 Monitor Well



MW #	DEPTH TO WATER *	TOTAL DEPTH	(gal)		SAMPLE DATE	Cl ⁻	TDS	All concentrations are in mg/L					SULFATE	COMMENTS
			WELL VOLUME	VOLUME PURGED				BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES			
1	36.90	41.00	0.700	2.00	01/10/02	872	2635	<0.002	<0.002	<0.002	<0.006	344		
1	36.88	40.78	0.624	2.90	05/13/02	860	2680	<1.00	<1.00	<1.00	<2.00	346		
1	37.20	40.79	0.574	1.75	08/12/02	913	2510	<0.001	<0.001	<0.001	<0.002	292		
1	37.11	40.77	0.586	1.75	10/31/02	842	2530	<0.001	<0.001	<0.001	<0.002	310		
1	37.10	40.77	0.580	1.70	02/27/03	877	2070	<0.001	<0.001	<0.001	0.001	305		
1	31.10	41.20	1.616	4.80	05/22/03	904	2350	<0.001	<0.001	<0.001	<0.002	264		
1	37.29	40.04	0.440	1.32	08/21/03	975	2550	<0.001	<0.001	<0.001	<0.002	274		
1	37.40	40.78	0.540	1.60	11/19/03	869	2470	<0.001	<0.001	<0.001	<0.002	282		
1	37.40	40.75	0.540	1.60	02/18/04	844	2192	<0.002	<0.002	<0.002	<0.006	43		
1	37.30	40.75	0.550	2.00	05/26/04	840	2008	<0.002	<0.002	<0.002	<0.006	113		
1	37.12	41.00	XXX	2.00	09/02/04	904	2510	<0.001	<0.001	<0.001	<0.001	304	clear	
1	32.91	41.00	XXX	4.05	12/21/04	550	2640	<0.001	<0.001	<0.001	<0.001	216		
1	XXX	XXX	XXX	XXX	02/11/05	582	XXX	XXX	XXX	XXX	XXX	XXX		
1	XXX	XXX	XXX	XXX	05/01/05	1030	XXX	XXX	XXX	XXX	XXX	XXX		
1	XXX	XXX	XXX	XXX	08/30/05	1180	2790	<0.001	<0.001	<0.001	<0.001	XXX		
1	32.15	41.00	1.400	5.00	10/19/05	961	2670	<0.001	<0.001	<0.001	<0.001	276		
1	31.10	41.00	1.600	6.00	1/18/06	1000	2480	<0.001	<0.001	<0.001	<0.001	264	clear	

* Depth to water measured from top of casing
Casing is 3.021 ft





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

COPY

MW-1

Project: K-33-1

Project Number: None Given

Location: Monument

Lab Order Number: 5B17006

Report Date: 02/21/05

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051
Reported:
02/21/05 16:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
K-33-1 MW-1	5B17006-01	Water	02/11/05 14:30	02/17/05 09:00

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
02/21/05 16:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K-33-1 MW-1 (5B17006-01) Water									
Chloride	582	10.0	mg/L	20	EB52108	02/19/05	02/19/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL
 2103 Arbor Cove
 Katy TX, 77494

Project: K-33-1
 Project Number: None Given
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
 02/21/05 16:40

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
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Batch EB52108 - General Preparation (WetChem)

Blank (EB52108-BLK1) Prepared & Analyzed: 02/19/05

Chloride	ND	0.500	mg/L							
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LCS (EB52108-BS1) Prepared & Analyzed: 02/19/05

Chloride	9.68		mg/L	10.0		96.8	80-120			
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LCS Dup (EB52108-BSD1) Prepared & Analyzed: 02/19/05

Chloride	8.57		mg/L	10.0		85.7	80-120	12.2	20	
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Calibration Check (EB52108-CCV1) Prepared & Analyzed: 02/19/05

Chloride	9.47		mg/L	10.0		94.7	80-120			
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Duplicate (EB52108-DUP1) Source: **5B16010-01** Prepared & Analyzed: 02/19/05

Chloride	853	25.0	mg/L		822			3.70	20	
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WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
02/21/05 16:40

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 2-21-05

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.

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

Client: Whole Earth Env.

Date/Time: 2/17/05 9:50

Order #: S1317006

Initials: CR

Sample Receipt Checklist

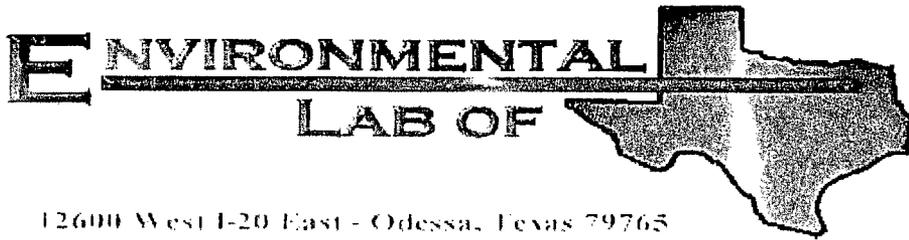
Temperature of container/cooler?	Yes	No	13.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	no label written on lid
Container labels legible and intact?	Yes	No	n/a
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding:

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

COPY

Project: K-33-1

Project Number: None Given

Location: Monument, NM

Lab Order Number: 5E02018

Report Date: 05/05/05

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
05/05/05 12:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5E02018-01	Water	05/01/05 12:10	05/02/05 14:45

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
05/05/05 12:50

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (SE02018-01) Water									
Chloride	1030	25.0	mg/L	50	EE50408	05/03/05	05/03/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL
 2103 Arbor Cove
 Katy TX, 77494

Project: K-33-1
 Project Number: None Given
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
 05/05/05 12:50

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 EE50408 - General Preparation (WetChem)										
Blank (EE50408-BLK1)										
Prepared & Analyzed: 05/03/05										
Chloride	ND	0.500	mg/L							
LCS (EE50408-BS1)										
Prepared & Analyzed: 05/03/05										
Chloride	10.7		mg/L	10.0		107	80-120			
Calibration Check (EE50408-CCV1)										
Prepared & Analyzed: 05/03/05										
Chloride	10.2		mg/L	10.0		102	80-120			
Duplicate (EE50408-DUP1)										
Source: 5E02018-01										
Prepared & Analyzed: 05/03/05										
Chloride	1020	25.0	mg/L		1030			0.976	20	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
05/05/05 12:50

Notes and Definitions

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

Report Approved By:

Raland K Tuttle

Date:

5/5/2005

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.

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

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

Client: Wade Earth Env.
 Date/Time: 5/2/05 3:00
 Order #: 5E02018
 Initials: CK

Sample Receipt Checklist

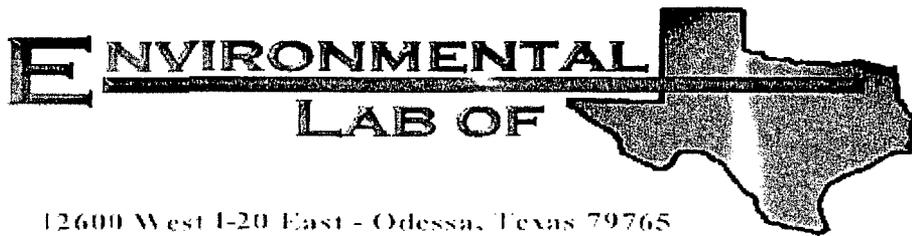
Temperature of container/cooler?	Yes	No	1.6	C
Shipping container/cooler in good condition?	Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	Yes	No		
Sample instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Yes	No		
Chain of custody agrees with sample labels?	Yes	No		
Container labels legible and intact?	Yes	No		
Sample Matrix and properties same as on chain of custody?	Yes	No		
Samples in proper container/bottle?	Yes	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	Yes	No		
Preservations documented on Chain of Custody?	Yes	No		
Containers documented on Chain of Custody?	Yes	No		
Sufficient sample amount for indicated test?	Yes	No		
All samples received within sufficient hold time?	Yes	No		
VCC samples have zero headspace?	Yes	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

COPY

Project: K-33-1 EOL

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 5H30013

Report Date: 09/08/05

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
09/08/05 09:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW #1	5H30013-01	Water	08/30/05 10:15	08/30/05 15:22

WHOLE EARTH ENVIRONMENTAL
 2103 Arbor Cove
 Katy TX, 77494

Project: K-33-1 EOL
 Project Number: None Given
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
 09/08/05 09:59

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #1 (5H30013-01) Water									
Benzene	ND	0.00100	mg/L	1	E150105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.8 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.9 %		80-120	"	"	"	"	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
09/08/05 09:59

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #1 (5H30013-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
Bicarbonate Alkalinity	248	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	1180	12.5	"	25	EH53109	08/31/05	08/31/05	EPA 300.0	
Total Dissolved Solids	2790	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
Sulfate	266	12.5	"	25	EH53109	08/31/05	08/31/05	EPA 300.0	

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #1 (5H30013-01) Water									
Calcium	298	0.500	mg/L	50	E150708	09/06/05	09/06/05	EPA 6010B	
Magnesium	136	0.0500	"	"	"	"	"	"	
Potassium	17.1	0.500	"	10	"	"	"	"	
Sodium	350	0.500	"	50	"	"	"	"	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
09/08/05 09:59

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
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Batch EI50105 - EPA 5030C (GC)

Blank (EI50105-BLK1)

Prepared & Analyzed: 09/01/05

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: <i>a,a,a</i> -Trifluorotoluene	92.2		ug/l	100		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	81.2		"	100		81.2	80-120			

LCS (EI50105-BS1)

Prepared & Analyzed: 09/01/05

Benzene	80.9		ug/l	100		80.9	80-120			
Toluene	82.0		"	100		82.0	80-120			
Ethylbenzene	94.1		"	100		94.1	80-120			
Xylene (p/m)	185		"	200		92.5	80-120			
Xylene (o)	97.3		"	100		97.3	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	101		"	100		101	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

Calibration Check (EI50105-CCV1)

Prepared & Analyzed: 09/01/05

Benzene	84.5		ug/l	100		84.5	80-120			
Toluene	82.2		"	100		82.2	80-120			
Ethylbenzene	89.0		"	100		89.0	80-120			
Xylene (p/m)	176		"	200		88.0	80-120			
Xylene (o)	89.6		"	100		89.6	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	105		"	100		105	80-120			
Surrogate: 4-Bromofluorobenzene	106		"	100		106	80-120			

Matrix Spike (EI50105-MS1)

Source: 5H30013-01

Prepared: 09/01/05 Analyzed: 09/02/05

Benzene	83.3		ug/l	100	ND	83.3	80-120			
Toluene	83.4		"	100	ND	83.4	80-120			
Ethylbenzene	95.5		"	100	ND	95.5	80-120			
Xylene (p/m)	187		"	200	ND	93.5	80-120			
Xylene (o)	97.7		"	100	ND	97.7	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	103		"	100		103	80-120			
Surrogate: 4-Bromofluorobenzene	110		"	100		110	80-120			

WHOLE EARTH ENVIRONMENTAL
 2103 Arbor Cove
 Katy TX, 77494

Project: K-33-1 EOL
 Project Number: None Given
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
 09/08/05 09:59

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
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Batch EI50105 - EPA 5030C (GC)

Matrix Spike Dup (EI50105-MSD1)

Source: 5H30013-01

Prepared: 09/01/05 Analyzed: 09/02/05

Benzene	82.3		ug/l	100	ND	82.3	80-120	1.21	20	
Toluene	84.0		"	100	ND	84.0	80-120	0.717	20	
Ethylbenzene	98.7		"	100	ND	98.7	80-120	3.30	20	
Xylene (p/m)	194		"	200	ND	97.0	80-120	3.67	20	
Xylene (o)	103		"	100	ND	103	80-120	5.28	20	
Surrogate: a,a,a-Trifluorotoluene	100		"	100		100	80-120			
Surrogate: 4-Bromofluorobenzene	112		"	100		112	80-120			

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
09/08/05 09:59

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
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Batch EH53109 - General Preparation (WetChem)

Blank (EH53109-BLK1)

Prepared & Analyzed: 08/31/05

Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

LCS (EH53109-BS1)

Prepared & Analyzed: 08/31/05

Chloride	9.62		mg/L	10.0		96.2	80-120			
Sulfate	8.52		"	10.0		85.2	80-120			

Calibration Check (EH53109-CCV1)

Prepared & Analyzed: 08/31/05

Chloride	9.02		mg/L	10.0		90.2	80-120			
Sulfate	8.42		"	10.0		84.2	80-120			

Duplicate (EH53109-DUP1)

Source: 5H30012-01

Prepared & Analyzed: 08/31/05

Chloride	2330	25.0	mg/L		2380			2.12	20	
Sulfate	2120	25.0	"		2170			2.33	20	

Batch EI50101 - General Preparation (WetChem)

Blank (EI50101-BLK1)

Prepared & Analyzed: 08/31/05

Total Alkalinity	ND	2.00	mg/L							
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Duplicate (EI50101-DUP1)

Source: 5H30013-01

Prepared & Analyzed: 08/31/05

Carbonate Alkalinity	0.00	0.100	mg/L		0.00					20
Bicarbonate Alkalinity	249	2.00	"		248			0.402		20
Hydroxide Alkalinity	0.00	0.100	"		0.00					20

Reference (EI50101-SRM1)

Prepared & Analyzed: 08/31/05

Bicarbonate Alkalinity	230		mg/L	200		115	80-120			
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Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051
Reported:
09/08/05 09:59

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 E150208 - General Preparation (WetChem)										
Blank (E150208-BLK1)										
Prepared & Analyzed: 08/31/05										
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (E150208-DUP1)										
Source: 5H30012-01										
Prepared & Analyzed: 08/31/05										
Total Dissolved Solids	3870	5.00	mg/L		3830			1.04	5	

WHOLE EARTH ENVIRONMENTAL
 2103 Arbor Cove
 Katy TX, 77494

Project: K-33-1 EOL
 Project Number: None Given
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
 09/08/05 09:59

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
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Batch EI50708 - 6010B/No Digestion

Blank (EI50708-BLK1)

Prepared & Analyzed: 09/06/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EI50708-CCV1)

Prepared & Analyzed: 09/06/05

Calcium	2.14		mg/L	2.00		107	85-115			
Magnesium	2.19		"	2.00		110	85-115			
Potassium	1.77		"	2.00		88.5	85-115			
Sodium	1.86		"	2.00		93.0	85-115			

Duplicate (EI50708-DUP1)

Source: 5H18012-01

Prepared & Analyzed: 09/06/05

Calcium	19.4	0.100	mg/L		19.8			2.04	20	
Magnesium	22.1	0.0100	"		23.2			4.86	20	
Potassium	22.4	0.500	"		23.3			3.94	20	
Sodium	51.3	0.100	"		51.0			0.587	20	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: K-33-1 EOL
Project Number: None Given
Project Manager: Mike Griffin

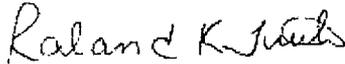
Fax: (281) 394-2051

Reported:
09/08/05 09:59

Notes and Definitions

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

Report Approved By:



Date: 9/8/2005

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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Environmental Lab of Texas

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Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Whole Earth

Date/Time: 8/30/05

Order #: 5H30013

Initials: ck

Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			0.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	Yes	No	<u>ID on bottle</u>
Container labels legible and intact?	Yes	No	<u>n/a</u>
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	<u>Not Applicable</u>

VDA

IL-poly

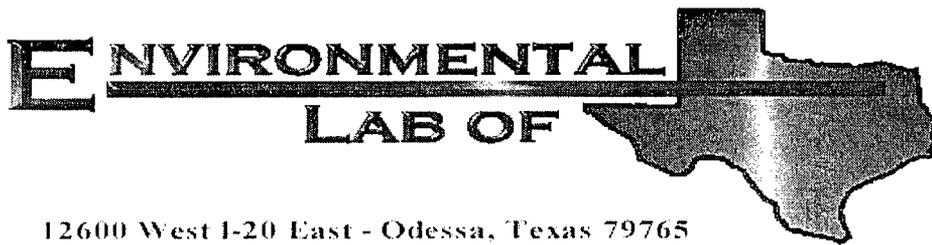
Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

COPY

Project: EME Jct. K-33-1
Project Number: None Given
Location: Lea County

Lab Order Number: 5J20012

Report Date: 10/25/05

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	5J20012-01	Water	10/19/05 14:00	10/20/05 09:30

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (5J20012-01) Water									
Benzene	ND	0.00100	mg/L	1	EJ52011	10/20/05	10/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.5 %	80-120		"	"	"	"	

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/26/05 15:15

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 (5J20012-01) Water									
Total Alkalinity	236	2.00	mg/L	1	EJ52114	10/21/05	10/21/05	EPA 310.2M	
Chloride	961	25.0	"	50	EJ52110	10/21/05	10/21/05	EPA 300.0	
Total Dissolved Solids	2670	5.00	"	1	EJ52403	10/20/05	10/21/05	EPA 160.1	
Sulfate	276	25.0	"	50	EJ52110	10/21/05	10/21/05	EPA 300.0	

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (5J20012-01) Water									
Calcium	288	1.00	mg/L	100	EJ52111	10/21/05	10/21/05	EPA 6010B	
Magnesium	119	0.0500	"	50	"	"	"	"	
Potassium	16.9	0.500	"	10	"	"	"	"	
Sodium	332	1.00	"	100	"	"	"	"	

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/26/05 15:24

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
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Batch EJ52011 - EPA 5030C (GC)

Blank (EJ52011-BLK1)

Prepared & Analyzed: 10/20/05

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	38.1		ug/l	40.0		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.4		"	40.0		88.5	80-120			

LCS (EJ52011-BS1)

Prepared & Analyzed: 10/20/05

Benzene	0.0402	0.00100	mg/L	0.0500		80.4	80-120			
Toluene	0.0490	0.00100	"	0.0500		98.0	80-120			
Ethylbenzene	0.0592	0.00100	"	0.0500		118	80-120			
Xylene (p/m)	0.115	0.00100	"	0.100		115	80-120			
Xylene (o)	0.0584	0.00100	"	0.0500		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/l	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120			

Calibration Check (EJ52011-CCV1)

Prepared: 10/20/05 Analyzed: 10/24/05

Benzene	0.0598		mg/L	0.0500		120	80-120			
Toluene	0.0593		"	0.0500		119	80-120			
Ethylbenzene	0.0586		"	0.0500		117	80-120			
Xylene (p/m)	0.113		"	0.100		113	80-120			
Xylene (o)	0.0584		"	0.0500		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.9		ug/l	40.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	80-120			

Matrix Spike (EJ52011-MS1)

Source: 5J20030-02

Prepared: 10/20/05 Analyzed: 10/24/05

Benzene	0.0578	0.00100	mg/L	0.0500	ND	116	80-120			
Toluene	0.0568	0.00100	"	0.0500	ND	114	80-120			
Ethylbenzene	0.0584	0.00100	"	0.0500	ND	117	80-120			
Xylene (p/m)	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (o)	0.0571	0.00100	"	0.0500	ND	114	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	34.8		"	40.0		87.0	80-120			

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ52011 - EPA 5030C (GC)

Matrix Spike Dup (EJ52011-MSD1)

Source: 5J20030-02

Prepared: 10/20/05 Analyzed: 10/24/05

Benzene	0.0591	0.00100	mg/L	0.0500	ND	118	80-120	1.71	20	
Toluene	0.0599	0.00100	"	0.0500	ND	120	80-120	5.13	20	
Ethylbenzene	0.0597	0.00100	"	0.0500	ND	119	80-120	1.69	20	
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120	8.77	20	
Xylene (o)	0.0596	0.00100	"	0.0500	ND	119	80-120	4.29	20	
Surrogate: <i>a,a</i> -Trifluorotoluene	43.8		ug/l	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	40.7		"	40.0		102	80-120			

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

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
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Batch EJ52110 - General Preparation (WetChem)

Blank (EJ52110-BLK1)										
Prepared & Analyzed: 10/21/05										
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EJ52110-BS1)										
Prepared & Analyzed: 10/21/05										
Chloride	8.53		mg/L	10.0		85.3	80-120			
Sulfate	8.86		"	10.0		88.6	80-120			
Calibration Check (EJ52110-CCV1)										
Prepared & Analyzed: 10/21/05										
Chloride	8.88		mg/L	10.0		88.8	80-120			
Sulfate	9.26		"	10.0		92.6	80-120			
Duplicate (EJ52110-DUP1)										
Source: 5J20007-01 Prepared & Analyzed: 10/21/05										
Chloride	992	12.5	mg/L		978			1.42	20	
Sulfate	355	12.5	"		357			0.562	20	

Batch EJ52114 - General Preparation (WetChem)

Blank (EJ52114-BLK1)										
Prepared & Analyzed: 10/21/05										
Total Alkalinity	ND	2.00	mg/L							
Duplicate (EJ52114-DUP1)										
Source: 5J20006-01 Prepared & Analyzed: 10/21/05										
Total Alkalinity	229	2.00	mg/L		230			0.436	20	
Reference (EJ52114-SRM1)										
Prepared & Analyzed: 10/21/05										
Bicarbonate Alkalinity	229		mg/L	200		114	80-120			

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

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
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Batch EJ52403 - General Preparation (WetChem)

Blank (EJ52403-BLK1)

Prepared: 10/20/05 Analyzed: 10/21/05

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EJ52403-DUP1)

Source: 5J20006-01

Prepared: 10/20/05 Analyzed: 10/21/05

Total Dissolved Solids 732 5.00 mg/L 766 4.54 5

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ52111 - 6010B/No Digestion

Blank (EJ52111-BLKI)

Prepared & Analyzed: 10/21/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EJ52111-CCV1)

Prepared & Analyzed: 10/21/05

Calcium	1.94		mg/L	2.00		97.0	85-115			
Magnesium	2.11		"	2.00		106	85-115			
Potassium	1.86		"	2.00		93.0	85-115			
Sodium	1.89		"	2.00		94.5	85-115			

Duplicate (EJ52111-DUP1)

Source: 5J20006-01

Prepared & Analyzed: 10/21/05

Calcium	43.0	0.100	mg/L		43.2			0.464	20	
Magnesium	23.8	0.0100	"		24.0			0.837	20	
Potassium	11.0	0.500	"		10.9			0.913	20	
Sodium	136	0.500	"		135			0.738	20	

Environmental Lab of Texas

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Page 9 of 10

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

Project: EME Jct. K-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
10/25/05 16:53

Notes and Definitions

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

Report Approved By:

Cele D. Keene

Date:

10/26/05

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.

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: RIE

Date/Time: 10/20/05 9:30

Order #: 5520012

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.0	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:
