

AP - 66

ANNUAL MONITORING REPORT

YEAR(S):
2006

CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 1737 2268



February 6, 2007

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RECEIVED
FEB - 9 2007
Environmental Bureau
Oil Conservation Division

RE: **2006 ANNUAL GROUNDWATER MONITORING REPORT
EME N-5 JUNCTION BOX SITE
T20S, R37E, SECTION 5, UNIT LETTER N
STAGE 1 ABATEMENT PLAN NO.: AP-66**

Mr. Hansen:


On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2006 Annual Monitoring Well Report for the EME N-5 Junction Box Site located in the Eunice-Monument-Eumont (EME) Salt Water Disposal (SWD) System.

Identification of soil and ground water impacts occurred during junction box upgrade operations as part of the approved Junction Box Upgrade Program in August 2001. Groundwater monitoring activities have been conducted quarterly since January 10, 2002. The Stage 1 Abatement Plan (AP-66) for this site was verbally approved by the NMOCD on March 30, 2006. After obtaining access and archaeological clearance from the BLM, one downgradient (MW-2) and upgradient (MW-3) monitoring well were installed in July. A Stage 1 Final Investigation Report is in progress and will be forthcoming to incorporate the findings described above.

ROC is the service provider (agent) for the EME Salt Water Disposal System and has no ownership of any portion of pipeline, well, or facility. The EME SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,



Gilbert J. Van Deventer, PG, REM

cc: CDH, KFP, file

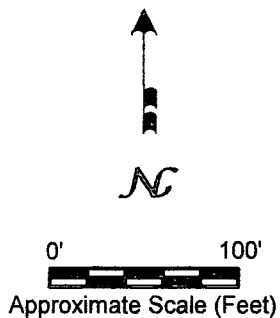
enclosures: tables, graphs, maps, and laboratory analytical reports.

ATTACHMENT A

Site Maps

Table

Graphs



MAP LEGEND

MW-3
 3528.31
 CI 10700
 SO4 4160
 TDS 23000
 BTEX <0.001

Monitoring Well Location
 Groundwater Elevation (feet AMSL)
 Chloride, TDS, and BTEX concentrations (mg/L)

3526.00
 Groundwater Elevation Contour
 (Contour Interval = 0.10 feet)

MW-2 & MW-3
 installed on
 July 17, 2006

Groundwater
 Gradient
 0.001 ft/ft

Rice 6 inch PVC Pipeline

New
 Jct Box

Former Tank Battery
 Texas Union Oil Co.
 (Abandoned in 1972)

MW-1

3525.90

Former
 Jct Box

CI 1070
 TDS 2580
 B <0.001
 T 0.001
 E 0.001
 X 0.004

CI 1860
 TDS 3800
 BTEX <0.001

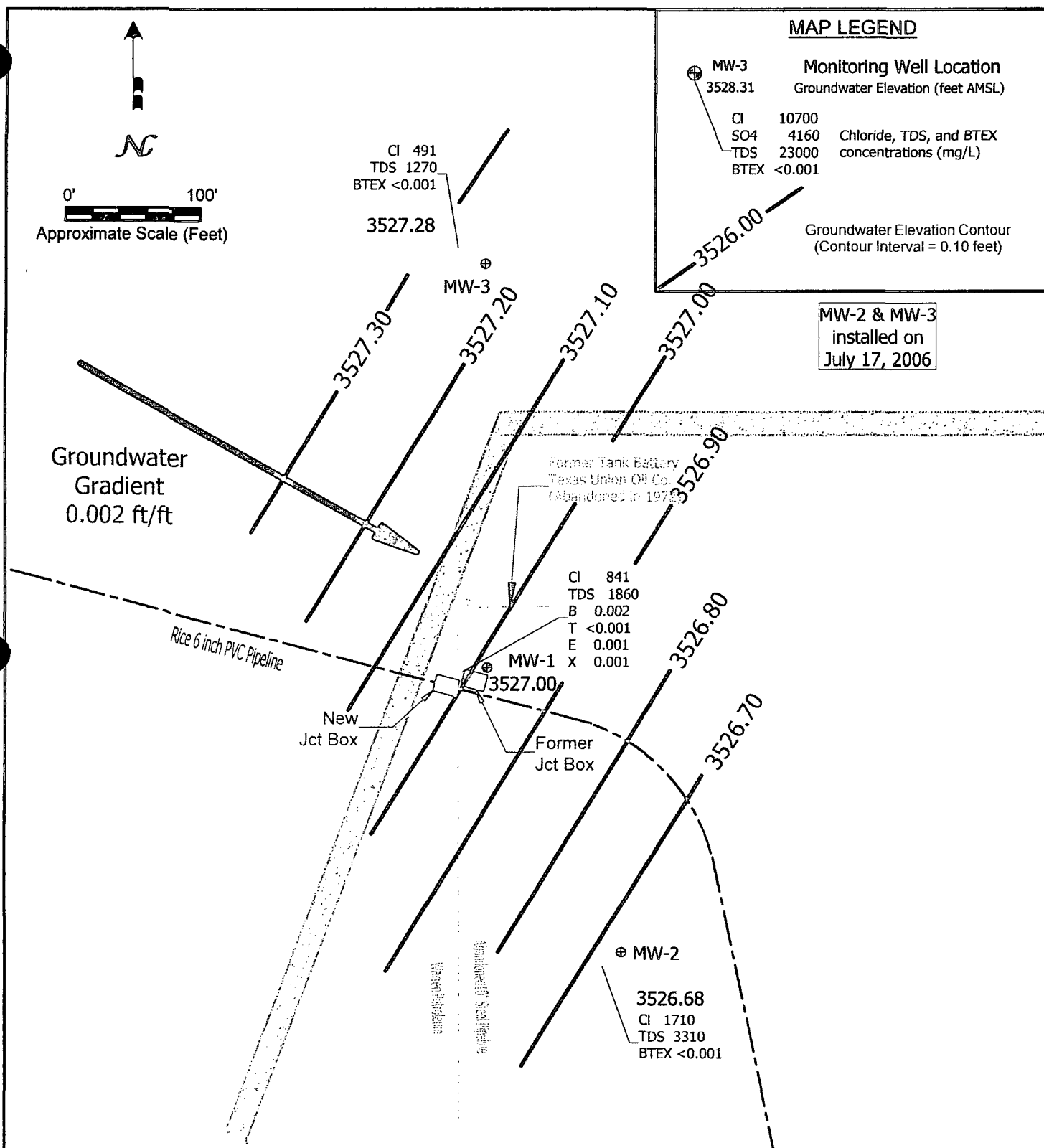
MW-2
 3525.70



EME N-5 JUNCTION BOX SITE
 T20S - R37E - Section 5- Unit N

RICE *Operating Company*

GROUNDWATER GRADIENT AND
 CHLORIDE/TDS CONCENTRATION
 MAP
 AUGUST 21, 2006



EME N-5 JUNCTION BOX SITE
T20S - R37E - Section 5- Unit N
RICE Operating Company

**GROUNDWATER GRADIENT AND
CHLORIDE/TDS CONCENTRATION
MAP**
NOVEMBER 7, 2006

Table 1
Summary of Groundwater Sampling Results
EME N-5 Junction Box Site

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Water Table Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	01/10/02	35.50	3523.85	1,160	2,652	<0.002	<0.002	<0.006	<0.006
	05/13/02	37.47	3521.88	993	2,520	<0.001	0.002	0.003	0.009
	08/12/02	37.75	3521.60	939	2,700	<0.001	<0.001	<0.001	0.001
	11/04/02	37.90	3521.45	1,200	3,083	<0.002	<0.002	<0.002	<0.006
	03/14/03	37.78	3521.57	1,050	2,310	<0.001	0.002	0.004	0.011
	05/29/03	38.00	3521.35	1,130	3,230	<0.001	0.001	0.004	0.01
	08/22/03	38.42	3520.93	1,200	2,930	---	---	---	---
	11/20/03	38.63	3520.72	1,150	3,200	<0.001	0.002	0.003	0.012
	02/20/04	38.50	3520.85	1,180	2,575	<0.002	<0.002	<0.002	<0.006
	05/26/04	37.80	3521.55	1,000	2,583	<0.002	0.005	0.005	0.010
	09/02/04	37.94	3521.41	1,150	3,170	<0.001	0.001	0.002	0.003
	12/21/04	35.12	3524.23	1,330	3,990	<0.001	<0.001	<0.001	<0.001
	01/26/05	34.03	3525.32	1,810	4,280	<0.001	<0.001	0.001	0.001
	02/08/05	33.79	3525.56	1,640	4,280	<0.001	<0.001	0.002	0.001
	05/02/05	34.50	3524.85	2,140	5,680	<0.001	<0.001	0.003	0.002
	08/11/05	33.39	3525.96	1,860	4,480	<0.001	<0.001	<0.001	<0.001
	11/28/05	32.90	3526.45	1,430	3,180	<0.001	<0.001	<0.001	<0.001
	02/21/06	32.72	3526.63	1,340	3,550	<0.001	<0.001	<0.001	<0.001
	05/17/06	32.83	3526.52	1,350	2,780	<0.001	<0.001	<0.001	<0.001
	08/21/06	33.45	3525.90	1,070	2,580	<0.001	0.001	0.001	0.004
	11/07/06	32.35	3527.00	841	1,860	0.002	<0.001	0.001	0.001
MW-2	08/21/06	33.04	3525.70	1,860	3,800	<0.001	<0.001	<0.001	<0.001
	11/07/06	32.06	3526.68	1,710	3,310	<0.001	<0.001	<0.001	<0.001
MW-3	08/21/06	31.86	3526.10	553	1,630	<0.001	<0.001	<0.001	<0.001
	11/07/06	30.68	3527.28	491	1,270	<0.001	<0.001	<0.001	<0.001
WQCC Standards				250	1000	0.01	0.75	0.75	0.62

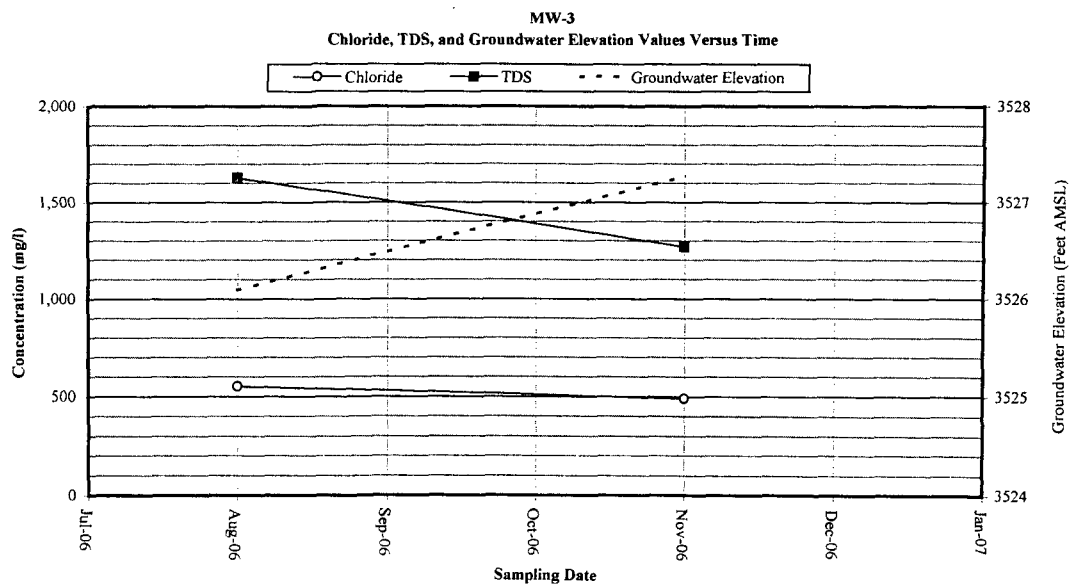
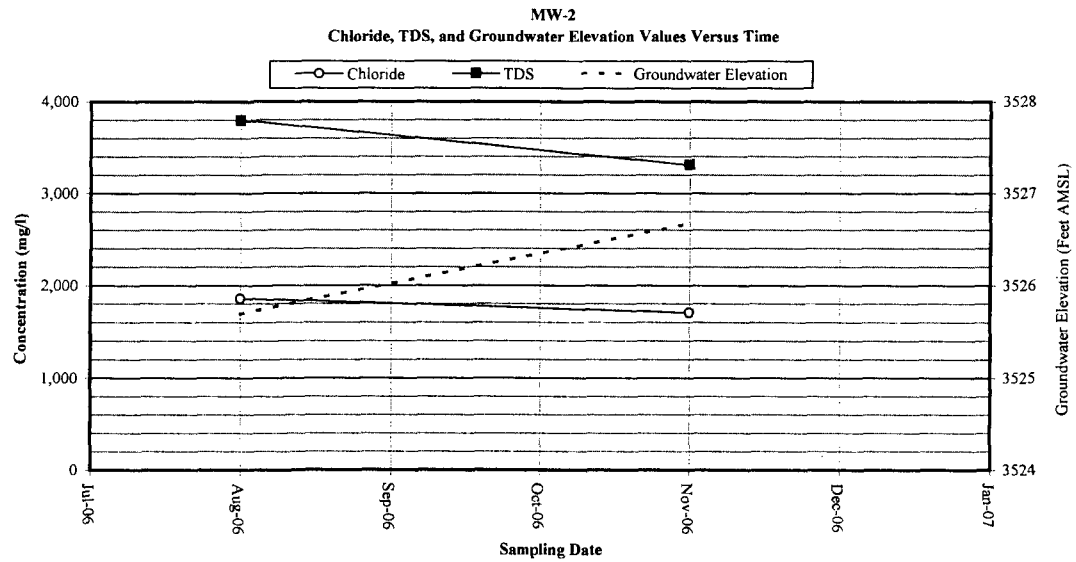
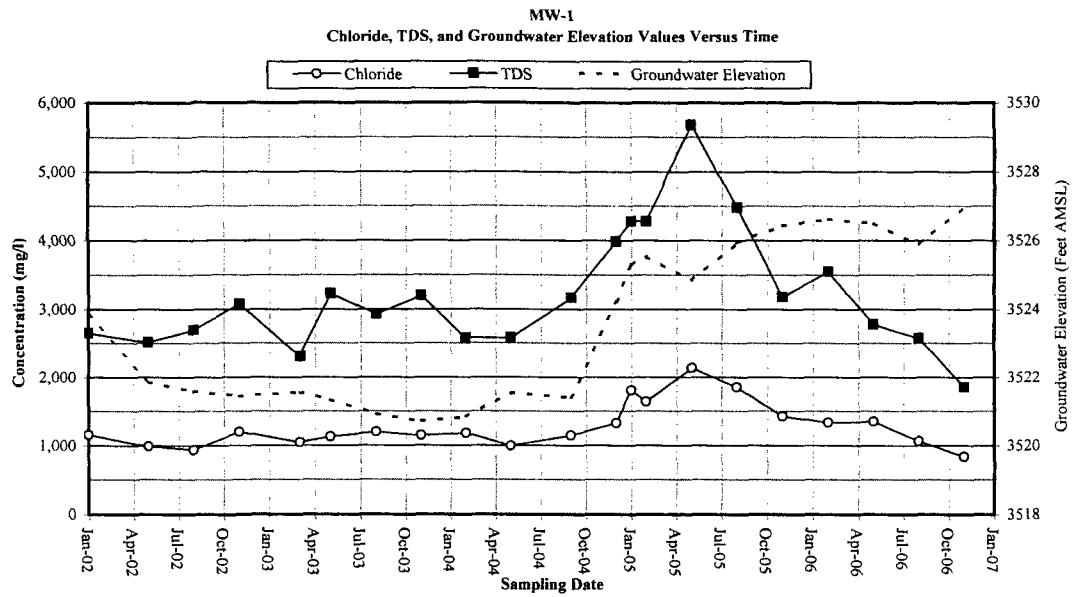
Total Dissolved Solids (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L)

Analyses performed by Environmental Lab of Texas (Odessa TX) or Cardinal Laboratories (Hobbs NM).

Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards

AMSL - Above Mean Sea Level; BTOC - Below Top of Casing

Elevations and state plane coordinates surveyed by Basin Surveys, Hobbs, NM.

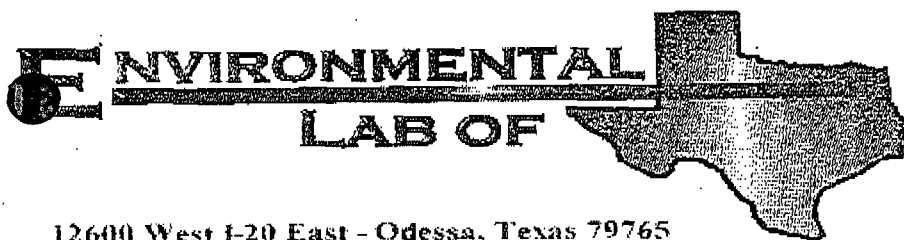


ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation



Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EMF Jct. N-5

Project Number: None Given

Location: Lea County

Lab Order Number: 6B23004

Report Date: 03/02/06

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	61323004-01	Water	02/21/06 09:40	02/23/06 09:45

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B23004-01) Water									
Benzene	ND	0.00100	mg/L	1	EB62306	02/23/06	02/24/06	EPA 8021B	
Toluene	0.00402	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00808	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.0150	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00977	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.0 %		80-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %		80-120	"	"	"	"	S-04

Rice Operating Co.
22 W. Taylor
Obbs NM, 88240

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 (6B23004-01) Water									
Total Alkalinity	278	2.00	mg/L	1	EB62205	02/23/06	02/23/06	EPA 310.1M	
Chloride	1340	25.0	"	50	EB62811	02/28/06	02/28/06	EPA 300.0	
Total Dissolved Solids	3550	5.00	"	1	EB62405	02/23/06	02/24/06	EPA 160.1	
Sulfate	136	25.0	"	50	EB62811	02/28/06	02/28/06	EPA 300.0	

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.

Page 3 of 10

Rice Operating Co.
2 W. Taylor
bbbs NM, 88240

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B23004-01) Water									
Calcium	319	0.500	mg/L	50	EC60207	03/02/06	03/02/06	EPA 6010B	
Magnesium	126	0.0500	"	"	"	"	"	"	
Potassium	9.49	0.500	"	10	"	"	"	"	
Sodium	560	2.00	"	200	"	"	"	"	

Environmental Lab of Texas

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Page 4 of 10

Rice Operating Co.
22 W. Taylor
Odessa NM, 88240

Project: EME Jct. N-5
Project Number: Nonc Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 EB62306 - EPA 5030C (GC)**Blank (EB62306-BLK1)**

Prepared & Analyzed: 02/23/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	33.3		ug/l	40.0		83.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.5		"	40.0		88.8	80-120			

LCS (EB62306-BS1)

Prepared: 02/23/06 Analyzed: 02/27/06

Benzene	0.0480	0.00100	mg/L	0.0500		96.0	80-120			
Toluene	0.0524	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0564	0.00100	"	0.0500		113	80-120			
Xylene (p/m)	0.118	0.00100	"	0.100		118	80-120			
Xylene (o)	0.0577	0.00100	"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.5		ug/l	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			

Calibration Check (EB62306-CCV1)

Prepared: 02/23/06 Analyzed: 02/27/06

Benzene	47.3		ug/l	50.0		94.6	80-120			
Toluene	52.9		"	50.0		106	80-120			
Ethylbenzene	59.9		"	50.0		120	80-120			
Xylene (p/m)	120		"	100		120	80-120			
Xylene (o)	59.7		"	50.0		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.5		"	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	47.5		"	40.0		119	80-120			

Matrix Spike (EB62306-MS1)

Source: 6B23001-01

Prepared: 02/23/06 Analyzed: 02/27/06

Benzene	0.0418	0.00100	mg/L	0.0500	ND	83.6	80-120			
Toluene	0.0464	0.00100	"	0.0500	ND	92.8	80-120			
Ethylbenzene	0.0521	0.00100	"	0.0500	ND	104	80-120			
Xylene (p/m)	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (o)	0.0537	0.00100	"	0.0500	ND	107	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/l	40.0		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	41.3		"	40.0		103	80-120			

Environmental Lab of Texas

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Page 5 of 10

Rice Operating Co.
22 W. Taylor
Obbs NM, 88240

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 EB62306 - EPA 5030C (GC)**Matrix Spike Dup (EB62306-MSD1)**

Source: 6B23001-01

Prepared: 02/23/06 Analyzed: 02/27/06

Benzene	0.0475	0.00100	mg/L	0.0500	ND	95.0	80-120	12.8	20	
Toluene	0.0524	0.00100	"	0.0500	ND	105	80-120	12.3	20	
Ethylbenzene	0.0577	0.00100	"	0.0500	ND	115	80-120	10.0	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	9.61	20	
Xylene (o)	0.0591	0.00100	"	0.0500	ND	118	80-120	9.78	20	
Surrogate: <i>p,p'</i> -Trifluorotoluene	40.3		ug/l	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	41.3		"	40.0		103	80-120			

Environmental Lab of Texas

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Rice Operating Co.
2 W. Taylor
Obbs NM. 88240

Project: EMT Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 EB62205 - General Preparation (WetChem)**Blank (EB62205-BLK1)**

Prepared & Analyzed: 02/23/06

Total Alkalinity ND 2.00 mg/L

LCS (EB62205-BS1)

Prepared & Analyzed: 02/23/06

Bicarbonate Alkalinity 207 2.00 mg/L 200 104 85-115

Duplicate (EB62205-DUP1)

Source: 6B16004-01

Prepared & Analyzed: 02/23/06

Total Alkalinity 273 2.00 mg/L 278 1.81 20

Reference (EB62205-SRM1)

Prepared & Analyzed: 02/23/06

Total Alkalinity 97.0 mg/L 100 97.0 90-110

Batch EB62405 - General Preparation (WetChem)**Blank (EB62405-BLK1)**

Prepared: 02/23/06 Analyzed: 02/24/06

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EB62405-DUP1)

Source: 6B17004-01

Prepared: 02/23/06 Analyzed: 02/24/06

Total Dissolved Solids 178 5.00 mg/L 178 0.00 5

Batch EB62811 - General Preparation (WetChem)**Blank (EB62811-BLK1)**

Prepared & Analyzed: 02/28/06

Sulfate ND 0.500 mg/L

Chloride ND 0.500 "

LCS (EB62811-BS1)

Prepared & Analyzed: 02/28/06

Chloride 8.76 0.500 mg/L 10.0 87.6 80-120

Sulfate 8.40 0.500 " 10.0 84.0 80-120

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Harris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 EB62811 - General Preparation (WetChem)**Calibration Check (EB62811-CCV1)**

Prepared & Analyzed: 02/28/06

Sulfate	9.25		mg/L	10.0		92.5	80-120			
Chloride	9.36		"	10.0		93.6	80-120			

Duplicate (EB62811-DUPI)

Source: 6B23001-01

Prepared & Analyzed: 02/28/06

Chloride	7740	100	mg/L		7510			3.02	20	
Sulfate	956	100	"		889			7.26	20	

Environmental Lab of Texas

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Page 8 of 10

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
03/02/06 17:06

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 EC60207 - 6010B/No Digestion**Blank (EC60207-BLK1)**

Prepared & Analyzed: 03/02/06

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

Calibration Check (EC60207-CCV1)

Prepared & Analyzed: 03/02/06

Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.20		"	2.00		110	85-115			
Potassium	1.72		"	2.00		86.0	85-115			
Sodium	1.87		"	2.00		93.5	85-115			

Duplicate (EC60207-DUP1)

Source: 6B17004-01

Prepared & Analyzed: 03/02/06

Calcium	106	0.500	mg/L		102			3.85	20	
Magnesium	20.6	0.0100	"		22.2			7.48	20	
Potassium	15.4	0.500	"		15.8			2.56	20	
Sodium	91.5	0.500	"		88.3			3.56	20	

Environmental Lab of Texas

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Harris-Pope

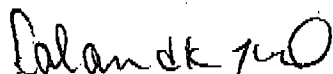
Fax: (505) 397-1471

Reported:
03/02/06 17:06

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

3-06-06

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

Variance / Corrective Action Report - Sample Log-In

Client: Rice Op.Date/Time: 2/23/06 9:45Order #: 6B23004Initials: ck

Sample Receipt Checklist

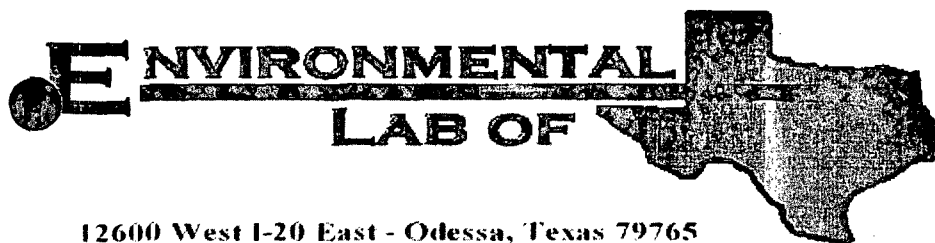
Temperature of container/cooler?	Yes	No	-2.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	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	
Observations 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	
VOC 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:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. N-5

Project Number: None Given

Location: Lea County

Lab Order Number: 6E18017

Report Date: 05/25/06

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6E18017-01	Water	05/17/06 12:00	05/18/06 12:00

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18017-01) Water									
Benzene	ND	0.00100	mg/L	1	EE62101	05/21/06	05/22/06	EPA 8021B	
Toluene	1 [0.000659]	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00126	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.00215	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00116	0.00100	"	"	"	"	"	"	
Surrogate: a.a.a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.0 %	80-120		"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 (6E18017-01) Water									
Total Alkalinity	281	2.00	mg/L	1	EE62220	05/22/06	05/22/06	EPA 310.1M	
Chloride	1350	25.0	"	50	EE62205	05/22/06	05/22/06	EPA 300.0	
Total Dissolved Solids	2780	5.00	"	1	EE61919	05/18/06	05/18/06	EPA 160.1	
Sulfate	165	25.0	"	50	EE62205	05/22/06	05/22/06	EPA 300.0	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18017-01) Water									
Calcium	320	0.500	mg/L	50	EE61926	05/19/06	05/19/06	EPA 6010B	
Magnesium	100	0.0500	"	"	"	"	"	"	
Potassium	7.00	0.500	"	10	"	"	"	"	
Sodium	416	1.00	"	100	"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 EE62101 - EPA 5030C (GC)

Blank (EE62101-BLK1)

Prepared & Analyzed: 05/21/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	32.2		"	40.0		80.5	80-120			

LCS (EE62101-BS1)

Prepared & Analyzed: 05/21/06

Benzene	0.0415	0.00100	mg/L	0.0500		83.0	80-120			
Toluene	0.0421	0.00100	"	0.0500		84.2	80-120			
Ethylbenzene	0.0463	0.00100	"	0.0500		92.6	80-120			
Xylene (p/m)	0.102	0.00100	"	0.100		102	80-120			
Xylene (o)	0.0504	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.7		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			

Calibration Check (EE62101-CCV1)

Prepared & Analyzed: 05/21/06

Benzene	44.3		ug/l	50.0		88.6	80-120			
Toluene	44.3		"	50.0		88.6	80-120			
Ethylbenzene	55.3		"	50.0		111	80-120			
Xylene (p/m)	99.1		"	100		99.1	80-120			
Xylene (o)	49.1		"	50.0		98.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.6		"	40.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	34.8		"	40.0		87.0	80-120			

Matrix Spike (EE62101-MS1)

Source: 6E17005-01

Prepared: 05/21/06 Analyzed: 05/22/06

Benzene	0.0444	0.00100	mg/L	0.0500	ND	88.8	80-120			
Toluene	0.0454	0.00100	"	0.0500	ND	90.8	80-120			
Ethylbenzene	0.0488	0.00100	"	0.0500	ND	97.6	80-120			
Xylene (p/m)	0.108	0.00100	"	0.100	ND	108	80-120			
Xylene (o)	0.0531	0.00100	"	0.0500	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.5		ug/l	40.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	80-120			

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.

Page 5 of 10

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 EE62101 - EPA 5030C (GC)

Matrix Spike Dup (EE62101-MSD1)

Source: 6E17005-01

Prepared: 05/21/06 Analyzed: 05/22/06

Benzene	0.0439	0.00100	mg/L	0.0500	ND	87.8	80-120	1.13	20	
Toluene	0.0447	0.00100	"	0.0500	ND	89.4	80-120	1.55	20	
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120	1.44	20	
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120	0.930	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	1.90	20	
Surrogate: a,a,a-Trifluorotoluene	46.4		ug/l	40.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	33.4		"	40.0		83.5	80-120			

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 EE61919 - Filtration Preparation

Blank (EE61919-BLK1)

Prepared & Analyzed: 05/18/06

Total Dissolved Solids	ND	5.00	mg/L							
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Duplicate (EE61919-DUP1)

Source: 6E18012-01

Prepared & Analyzed: 05/18/06

Total Dissolved Solids	1420	5.00	mg/L		1470			3.46	5	
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Batch EE62205 - General Preparation (WetChem)

Blank (EE62205-BLK1)

Prepared & Analyzed: 05/22/06

Sulfate	ND	0.500	mg/L							
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Chloride	ND	0.500	"							
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LCS (EE62205-BS1)

Prepared & Analyzed: 05/22/06

Sulfate	8.20		mg/L	10.0		82.0	80-120			
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Chloride	10.1		"	10.0		101	80-120			
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Calibration Check (EE62205-CCV1)

Prepared & Analyzed: 05/22/06

Chloride	10.1		mg/L	10.0		101	80-120			
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Sulfate	9.63		"	10.0		96.3	80-120			
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Duplicate (EE62205-DUP1)

Source: 6E18012-01

Prepared & Analyzed: 05/22/06

Sulfate	307	10.0	mg/L		304			0.982	20	
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Chloride	343	10.0	"		344			0.291	20	
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Duplicate (EE62205-DUP2)

Source: 6E18015-01

Prepared & Analyzed: 05/22/06

Chloride	415	10.0	mg/L		412			0.726	20	
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Sulfate	50.3	10.0	"		50.6			0.595	20	
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 EE62205 - General Preparation (WetChem)

Matrix Spike (EE62205-MS1)

Source: 6E18012-01

Prepared & Analyzed: 05/22/06

Chloride	565	10.0	mg/L	200	344	110	80-120			
Sulfate	465	10.0	"	200	304	80.5	80-120			

Matrix Spike (EE62205-MS2)

Source: 6E18015-01

Prepared & Analyzed: 05/22/06

Chloride	654	10.0	mg/L	200	412	121	80-120			S-07
Sulfate	200	10.0	"	200	50.6	74.7	80-120			S-07

Batch EE62220 - General Preparation (WetChem)

Blank (EE62220-BLK1)

Prepared & Analyzed: 05/22/06

Total Alkalinity	ND	2.00	mg/L							
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LCS (EE62220-BS1)

Prepared & Analyzed: 05/22/06

Bicarbonate Alkalinity	214	2.00	mg/L	200		107	85-115			
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Duplicate (EE62220-DUP1)

Source: 6E18012-01

Prepared & Analyzed: 05/22/06

Total Alkalinity	279	2.00	mg/L		280			0.358	20	
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Reference (EE62220-SRM1)

Prepared & Analyzed: 05/22/06

Total Alkalinity	96.0		mg/L	100		96.0	90-110			
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

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 EE61926 - 6010B/No Digestion

Blank (EE61926-BLK1)

Prepared & Analyzed: 05/19/06

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

Calibration Check (EE61926-CCV1)

Prepared & Analyzed: 05/19/06

Calcium	2.30		mg/L	2.00		115	85-115			
Magnesium	2.21		"	2.00		110	85-115			
Potassium	1.80		"	2.00		90.0	85-115			
Sodium	1.81		"	2.00		90.5	85-115			

Duplicate (EE61926-DUP1)

Source: 6E18012-01

Prepared & Analyzed: 05/19/06

Calcium	111	0.500	mg/L		111			0.00	20	
Magnesium	58.3	0.0100	"		56.5			3.14	20	
Potassium	12.2	0.500	"		12.9			5.58	20	
Sodium	266	0.500	"		271			1.86	20	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/25/06 16:12

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits.
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:

5/25/2006

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.

12600 West 1-20 East
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

Sampler Signature: Rozanne Johnson (505) 631-9310

Email: rozanne@valornet.com

[illegible]

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

Client: Rice Operating Co.
Date/Time: 05-18-06 @ 1200
Order #: 6E18017
Initials: JMM

Sample Receipt Checklist

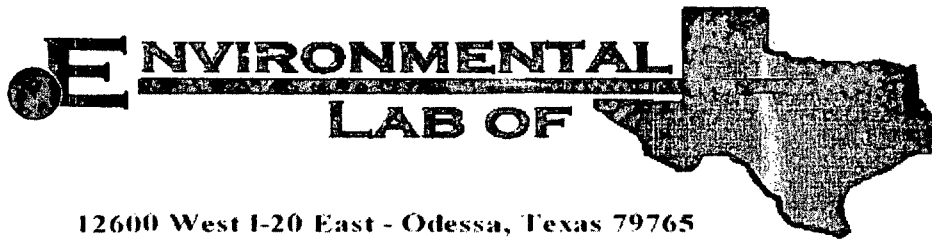
Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	I. O	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>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

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

Project: EME Jct. N-5

Project Number: None Given

Location: T20S-R37E-Sec5N, Lea Co., NM

Lab Order Number: 6H25010

Report Date: 09/05/06

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

Project: EME Jct. N-5
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	6H25010-01	Water	08/21/06 14:55	08-25-2006 15:22
Monitor Well #2	6H25010-02	Water	08/21/06 13:20	08-25-2006 15:22
Monitor Well #3	6H25010-03	Water	08/21/06 11:40	08-25-2006 15:22

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

Project: EME Jct. N-5
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 (6H25010-01) Water									
Benzene	ND	0.00100	mg/L	1	EH62520	08/25/06	08/28/06	EPA 8021B	
Toluene	1 [0.000678]	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00149	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.00234	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00174	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	80-120		"	"	"	"	

Monitor Well #2 (6H25010-02) Water

Benzene	ND	0.00100	mg/L	1	EH62520	08/25/06	08/28/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-120		"	"	"	"	

Monitor Well #3 (6H25010-03) Water

Benzene	ND	0.00100	mg/L	1	EH62520	08/25/06	08/28/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120		"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6H25010-01) Water									
Total Alkalinity	302	2.00	mg/L	1	EH63106	08/31/06	08/31/06	EPA 310.1M	
Chloride	1070	25.0	"	50	EH63019	08/28/06	08/28/06	EPA 300.0	
Total Dissolved Solids	2580	10.0	"	1	EH62916	08/25/06	08/29/06	EPA 160.1	
Sulfate	122	25.0	"	50	EH63019	08/28/06	08/28/06	EPA 300.0	
Monitor Well #2 (6H25010-02) Water									
Total Alkalinity	284	2.00	mg/L	1	EH63106	08/31/06	08/31/06	EPA 310.1M	
Chloride	1860	25.0	"	50	EH63019	08/28/06	08/28/06	EPA 300.0	
Total Dissolved Solids	3800	10.0	"	1	EH62916	08/25/06	08/29/06	EPA 160.1	
Sulfate	132	25.0	"	50	EH63019	08/28/06	08/28/06	EPA 300.0	
Monitor Well #3 (6H25010-03) Water									
Total Alkalinity	320	2.00	mg/L	1	EH63106	08/31/06	08/31/06	EPA 310.1M	
Chloride	553	10.0	"	20	EH63019	08/28/06	08/28/06	EPA 300.0	
Total Dissolved Solids	1630	10.0	"	1	EH62916	08/25/06	08/29/06	EPA 160.1	
Sulfate	128	10.0	"	20	EH63019	08/28/06	08/28/06	EPA 300.0	

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

Project: EME Jct. N-5
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 (6H25010-01) Water									
Calcium	251	4.05	mg/L	50	EH62802	08/28/06	08/28/06	EPA 6010B	
Magnesium	77.6	1.80	"	"	"	"	"	"	
Potassium	7.76	0.600	"	10	"	"	"	"	
Sodium	409	2.15	"	50	"	"	"	"	
Monitor Well #2 (6H25010-02) Water									
Calcium	510	4.05	mg/L	50	EH62802	08/28/06	08/28/06	EPA 6010B	
Magnesium	132	1.80	"	"	"	"	"	"	
Potassium	9.56	0.600	"	10	"	"	"	"	
Sodium	530	2.15	"	50	"	"	"	"	
Monitor Well #3 (6H25010-03) Water									
Calcium	182	4.05	mg/L	50	EH62802	08/28/06	08/28/06	EPA 6010B	
Magnesium	49.1	0.360	"	10	"	"	"	"	
Potassium	5.56	0.600	"	"	"	"	"	"	
Sodium	233	2.15	"	50	"	"	"	"	

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

Project: EME Jct. N-5
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	RPD Limit	Notes
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Batch EH62520 - EPA 5030C (GC)

Blank (EH62520-BLK1)

Prepared: 08/25/06 Analyzed: 08/28/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	42.0		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	43.1		"	40.0		108	80-120			

LCS (EH62520-BS1)

Prepared: 08/25/06 Analyzed: 08/28/06

Benzene	0.0508	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0533	0.00100	"	0.0500		107	80-120			
Ethylbenzene	0.0539	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.120	0.00100	"	0.100		120	80-120			
Xylene (o)	0.0559	0.00100	"	0.0500		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.0		ug/l	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	46.7		"	40.0		117	80-120			

Calibration Check (EH62520-CCV1)

Prepared & Analyzed: 08/25/06

Benzene	45.2		ug/l	50.0		90.4	80-120			
Toluene	48.4		"	50.0		96.8	80-120			
Ethylbenzene	52.4		"	50.0		105	80-120			
Xylene (p/m)	109		"	100		109	80-120			
Xylene (o)	54.1		"	50.0		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		"	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	38.5		"	40.0		96.2	80-120			

Matrix Spike (EH62520-MS1)

Source: 6H23008-01

Prepared & Analyzed: 08/25/06

Benzene	0.0517	0.00100	mg/L	0.0500	ND	103	80-120			
Toluene	0.0561	0.00100	"	0.0500	ND	112	80-120			
Ethylbenzene	0.0509	0.00100	"	0.0500	ND	102	80-120			
Xylene (p/m)	0.118	0.00100	"	0.100	ND	118	80-120			
Xylene (o)	0.0546	0.00100	"	0.0500	ND	109	80-120			
Surrogate: a,a,a-Trifluorotoluene	47.5		ug/l	40.0		119	80-120			
Surrogate: 4-Bromofluorobenzene	47.0		"	40.0		118	80-120			

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.

Page 5 of 10

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

Project: EME Jct. N-5
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	RPD Limit	Notes
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Batch EH62520 - EPA 5030C (GC)

Matrix Spike Dup (EH62520-MSD1)

Source: 6H23008-01

Prepared & Analyzed: 08/25/06

Benzene	0.0542	0.00100	mg/L	0.0500	ND	108	80-120	4.74	20	
Toluene	0.0563	0.00100	"	0.0500	ND	113	80-120	0.889	20	
Ethylbenzene	0.0539	0.00100	"	0.0500	ND	108	80-120	5.71	20	
Xylene (p/m)	0.106	0.00100	"	0.100	ND	106	80-120	10.7	20	
Xylene (o)	0.0525	0.00100	"	0.0500	ND	105	80-120	3.74	20	
Surrogate: a,a,a-Trifluorotoluene	45.9		ug/l	40.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	45.3		"	40.0		113	80-120			

Environmental Lab of Texas

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Page 6 of 10

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

Project: EME Jct. N-5
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
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Batch EH62916 - Filtration Preparation

Blank (EH62916-BLK1)

Prepared: 08/28/06 Analyzed: 08/29/06

Total Dissolved Solids ND 10.0 mg/L

Duplicate (EH62916-DUP1)

Source: 6H25010-01

Prepared: 08/28/06 Analyzed: 08/29/06

Total Dissolved Solids 2480 10.0 mg/L 2580 3.95 5

Duplicate (EH62916-DUP2)

Source: 6H25013-01

Prepared: 08/28/06 Analyzed: 08/29/06

Total Dissolved Solids 1350 10.0 mg/L 1400 3.64 5

Batch EH63019 - General Preparation (WetChem)

Blank (EH63019-BLK1)

Prepared & Analyzed: 08/28/06

Sulfate ND 0.500 mg/L

Chloride ND 0.500 "

LCS (EH63019-BS1)

Prepared & Analyzed: 08/28/06

Chloride 10.2 0.500 mg/L 10.0 102 80-120

Sulfate 10.1 0.500 " 10.0 101 80-120

Calibration Check (EH63019-CCV1)

Prepared & Analyzed: 08/28/06

Chloride 9.87 mg/L 10.0 98.7 80-120

Sulfate 12.0 " 10.0 120 80-120

Duplicate (EH63019-DUP1)

Source: 6H24003-01

Prepared & Analyzed: 08/28/06

Chloride 94.7 5.00 mg/L 102 7.42 20

Sulfate 225 5.00 " 227 0.885 20

Duplicate (EH63019-DUP2)

Source: 6H25013-01

Prepared & Analyzed: 08/28/06

Chloride 420 10.0 mg/L 418 0.477 20

Sulfate 40.5 10.0 " 40.9 0.983 20

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

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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
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Batch EH63019 - General Preparation (WetChem)

Matrix Spike (EH63019-MS1)

Source: 6H24003-01

Prepared & Analyzed: 08/28/06

Sulfate	338	5.00	mg/L	100	227	111	75-125
Chloride	204	5.00	"	100	102	102	80-120

Matrix Spike (EH63019-MS2)

Source: 6H25013-01

Prepared & Analyzed: 08/28/06

Sulfate	239	10.0	mg/L	200	40.9	99.0	75-125
Chloride	645	10.0	"	200	418	114	80-120

Batch EH63106 - General Preparation (WetChem)

Blank (EH63106-BLK1)

Prepared & Analyzed: 08/31/06

Total Alkalinity	ND	2.00	mg/L
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LCS (EH63106-BS1)

Prepared & Analyzed: 08/31/06

Bicarbonate Alkalinity	190	2.00	mg/L	200	95.0	85-115
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Duplicate (EH63106-DUP1)

Source: 6H24003-01

Prepared & Analyzed: 08/31/06

Total Alkalinity	150	2.00	mg/L	156	3.92	20
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Reference (EH63106-SRM1)

Prepared & Analyzed: 08/31/06

Total Alkalinity	254		mg/L	250	102	90-110
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME Jct. N-5
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
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Batch EH62802 - 6010B/No Digestion

Blank (EH62802-BLK1)

Prepared & Analyzed: 08/28/06

Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							

Calibration Check (EH62802-CCV1)

Prepared & Analyzed: 08/28/06

Calcium	1.97		mg/L	2.00		98.5	85-115			
Magnesium	2.13		"	2.00		106	85-115			
Potassium	1.74		"	2.00		87.0	85-115			
Sodium	1.84		"	2.00		92.0	85-115			

Duplicate (EH62802-DUP1)

Source: 6H25010-01

Prepared & Analyzed: 08/28/06

Calcium	267	4.05	mg/L		251			6.18	20	
Magnesium	81.9	1.80	"		77.6			5.39	20	
Potassium	7.20	0.600	"		7.76			7.49	20	
Sodium	396	2.15	"		409			3.23	20	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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:

9/5/2006

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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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: Rice Operating
Date/ Time: 08-25-06 @ 1522
Lab ID #: 6H25010
Initials: JMM

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<u>Yes</u>	No	1.0 °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

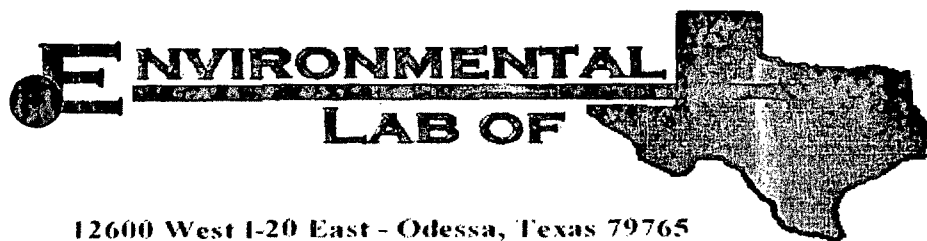
Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. N-5

Project Number: None Given

Location: T20S R37E Sec 5 N- Lea County, NM

Lab Order Number: 6K08009

Report Date: 11/29/06

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

Project: EME Jct. N-5
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	6K08009-01	Water	11/07/06 11:55	11-08-2006 14:50
Monitor Well #2	6K08009-02	Water	11/07/06 10:50	11-08-2006 14:50
Monitor Well #3	6K08009-03	Water	11/07/06 09:55	11-08-2006 14:50

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

Project: EME Jct. N-5
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 (6K08009-01) Water									
Benzene	0.00155	0.00100	mg/L	1	EK60808	11/10/06	11/11/06	EPA 8021B	
Toluene	I [0.000447]	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00137	0.00100	"	"	"	"	"	"	
Xylene (p/m)	I [0.000834]	0.00100	"	"	"	"	"	"	
Xylene (o)	I [0.000235]	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	80-120		"	"	"	"	
Monitor Well #2 (6K08009-02) Water									
Benzene	ND	0.00100	mg/L	1	EK60808	11/10/06	11/10/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
Monitor Well #3 (6K08009-03) Water									
Benzene	ND	0.00100	mg/L	1	EK60808	11/10/06	11/10/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	80-120		"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K08009-01) Water									
Total Alkalinity	348	4.00	mg/L	2	EK61307	11/14/06	11/14/06	EPA 310.1M	
Chloride	841	20.0	"	40	EK60911	11/09/06	11/09/06	EPA 300.0	
Total Dissolved Solids	1860	10.0	"	1	EK61306	11/09/06	11/10/06	EPA 160.1	
Sulfate	101	20.0	"	40	EK60911	11/09/06	11/09/06	EPA 300.0	
Monitor Well #2 (6K08009-02) Water									
Total Alkalinity	328	4.00	mg/L	2	EK61307	11/14/06	11/14/06	EPA 310.1M	
Chloride	1710	25.0	"	50	EK60911	11/09/06	11/09/06	EPA 300.0	
Total Dissolved Solids	3310	10.0	"	1	EK61306	11/09/06	11/10/06	EPA 160.1	
Sulfate	123	25.0	"	50	EK60911	11/09/06	11/09/06	EPA 300.0	
Monitor Well #3 (6K08009-03) Water									
Total Alkalinity	316	2.00	mg/L	1	EK61307	11/14/06	11/14/06	EPA 310.1M	
Chloride	491	12.5	"	25	EK60911	11/09/06	11/09/06	EPA 300.0	
Total Dissolved Solids	1270	10.0	"	1	EK61306	11/09/06	11/10/06	EPA 160.1	
Sulfate	125	12.5	"	25	EK60911	11/09/06	11/09/06	EPA 300.0	

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

Project: EME Jct. N-5
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 (6K08009-01) Water									
Calcium	301	4.05	mg/L	50	EK60919	11/09/06	11/09/06	EPA 6010B	
Magnesium	81.6	1.80	"	"	"	"	"	"	
Potassium	6.64	0.600	"	10	"	"	"	"	
Sodium	399	2.15	"	50	"	"	"	"	
Monitor Well #2 (6K08009-02) Water									
Calcium	625	20.2	mg/L	250	EK60919	11/09/06	11/09/06	EPA 6010B	
Magnesium	139	1.80	"	50	"	"	"	"	
Potassium	9.43	0.600	"	10	"	"	"	"	
Sodium	597	10.8	"	250	"	"	"	"	
Monitor Well #3 (6K08009-03) Water									
Calcium	186	4.05	mg/L	50	EK60919	11/09/06	11/09/06	EPA 6010B	
Magnesium	44.6	0.360	"	10	"	"	"	"	
Potassium	4.81	0.600	"	"	"	"	"	"	
Sodium	241	2.15	"	50	"	"	"	"	

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

Project: EME Jct. N-5
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	RPD Limit	Notes
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Batch EK60808 - EPA 5030C (GC)

Blank (EK60808-BLK1)

Prepared: 11/08/06 Analyzed: 11/10/06

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	33.5		"	40.0		83.8	80-120			

LCS (EK60808-BS1)

Prepared: 11/08/06 Analyzed: 11/10/06

Benzene	0.0525	0.00100	mg/L	0.0500		105	80-120			
Toluene	0.0458	0.00100	"	0.0500		91.6	80-120			
Ethylbenzene	0.0457	0.00100	"	0.0500		91.4	80-120			
Xylene (p/m)	0.0919	0.00100	"	0.100		91.9	80-120			
Xylene (o)	0.0448	0.00100	"	0.0500		89.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.2		ug/l	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	41.5		"	40.0		104	80-120			

Calibration Check (EK60808-CCV1)

Prepared: 11/08/06 Analyzed: 11/11/06

Benzene	50.9		ug/l	50.0		102	80-120			
Toluene	45.0		"	50.0		90.0	80-120			
Ethylbenzene	46.8		"	50.0		93.6	80-120			
Xylene (p/m)	90.9		"	100		90.9	80-120			
Xylene (o)	45.4		"	50.0		90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.9		"	40.0		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97.5	80-120			

Matrix Spike (EK60808-MS1)

Source: 6K06005-01

Prepared: 11/08/06 Analyzed: 11/10/06

Benzene	0.0503	0.00100	mg/L	0.0500	ND	101	80-120			
Toluene	0.0458	0.00100	"	0.0500	ND	91.6	80-120			
Ethylbenzene	0.0473	0.00100	"	0.0500	ND	94.6	80-120			
Xylene (p/m)	0.0939	0.00100	"	0.100	ND	93.9	80-120			
Xylene (o)	0.0465	0.00100	"	0.0500	ND	93.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.9		ug/l	40.0		97.2	80-120			
Surrogate: 4-Bromofluorobenzene	43.4		"	40.0		108	80-120			

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.

Page 5 of 10

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

Project: EME Jct. N-5
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	RPD Limit	Notes
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Batch EK60808 - EPA 5030C (GC)

Matrix Spike Dup (EK60808-MSD1)

Source: 6K06005-01

Prepared: 11/08/06 Analyzed: 11/10/06

Benzene	0.0518	0.00100	mg/L	0.0500	ND	104	80-120	2.93	20	
Toluene	0.0465	0.00100	"	0.0500	ND	93.0	80-120	1.52	20	
Ethylbenzene	0.0478	0.00100	"	0.0500	ND	95.6	80-120	1.05	20	
Xylene (p/m)	0.0983	0.00100	"	0.100	ND	98.3	80-120	4.58	20	
Xylene (o)	0.0494	0.00100	"	0.0500	ND	98.8	80-120	6.05	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	41.8		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	43.7		"	40.0		109	80-120			

Environmental Lab of Texas

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Page 6 of 10

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

Project: EME Jct. N-5
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
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Batch EK60911 - General Preparation (WetChem)

Blank (EK60911-BLK1)

Prepared & Analyzed: 11/09/06

Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							

LCS (EK60911-BS1)

Prepared & Analyzed: 11/09/06

Chloride	10.9	0.500	mg/L	10.0		109	80-120			
Sulfate	10.1	0.500	"	10.0		101	80-120			

Calibration Check (EK60911-CCV1)

Prepared & Analyzed: 11/09/06

Chloride	10.8		mg/L	10.0		108	80-120			
Sulfate	10.1		"	10.0		101	80-120			

Duplicate (EK60911-DUP1)

Source: 6K08007-01

Prepared & Analyzed: 11/09/06

Sulfate	86.2	5.00	mg/L		86.1			0.116	20	
Chloride	283	5.00	"		285			0.704	20	

Duplicate (EK60911-DUP2)

Source: 6K09002-01

Prepared & Analyzed: 11/09/06

Sulfate	1650	20.0	mg/L		1590			3.70	20	
Chloride	248	20.0	"		239			3.70	20	

Matrix Spike (EK60911-MS1)

Source: 6K08007-01

Prepared & Analyzed: 11/09/06

Sulfate	184	5.00	mg/L	100	86.1	97.9	80-120			
Chloride	404	5.00	"	100	285	119	80-120			

Matrix Spike (EK60911-MS2)

Source: 6K09002-01

Prepared & Analyzed: 11/09/06

Chloride	655	20.0	mg/L	400	239	104	80-120			
Sulfate	1960	20.0	"	400	1590	92.5	80-120			

Environmental Lab of Texas

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

Project: EME Jct. N-5
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
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Batch EK61306 - Filtration Preparation

Blank (EK61306-BLK1)

Prepared: 11/09/06 Analyzed: 11/10/06

Total Dissolved Solids ND 10.0 mg/L

Duplicate (EK61306-DUP1)

Source: 6K07002-01

Prepared: 11/09/06 Analyzed: 11/10/06

Total Dissolved Solids 10400 10.0 mg/L 9240 11.8 5 S-08

Duplicate (EK61306-DUP2)

Source: 6K08010-02

Prepared: 11/09/06 Analyzed: 11/10/06

Total Dissolved Solids 24600 10.0 mg/L 23600 4.15 5

Batch EK61307 - General Preparation (WetChem)

Blank (EK61307-BLK1)

Prepared & Analyzed: 11/14/06

Total Alkalinity ND 2.00 mg/L

LCS (EK61307-BS1)

Prepared & Analyzed: 11/14/06

Bicarbonate Alkalinity 192 2.00 mg/L 200 96.0 85-115

Duplicate (EK61307-DUP1)

Source: 6K08007-01

Prepared & Analyzed: 11/14/06

Total Alkalinity 150 2.00 mg/L 152 1.32 20

Reference (EK61307-SRM1)

Prepared & Analyzed: 11/14/06

Total Alkalinity 248 mg/L 250 99.2 90-110

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

Project: EME Jct. N-5
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
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Batch EK60919 - 6010B/No Digestion

Blank (EK60919-BLK1)

Prepared & Analyzed: 11/09/06

Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							

Calibration Check (EK60919-CCV1)

Prepared & Analyzed: 11/09/06

Calcium	2.28		mg/L	2.00		114	85-115			
Magnesium	2.14		"	2.00		107	85-115			
Potassium	1.87		"	2.00		93.5	85-115			
Sodium	2.04		"	2.00		102	85-115			

Duplicate (EK60919-DUP1)

Source: 6K08007-01

Prepared & Analyzed: 11/09/06

Calcium	164	4.05	mg/L		166			1.21	20	
Magnesium	23.5	0.360	"		23.5			0.00	20	
Potassium	3.34	0.600	"		3.30			1.20	20	
Sodium	77.5	0.430	"		77.6			0.129	20	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits.

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:

11/29/2006

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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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

Pice Op.

Date/ Time:

11/8/06 2:50

Lab ID #:

6K0X009

Initials:

CK

Sample Receipt Checklist

Client Initials

	Yes	No		
#1 Temperature of container/ cooler?	Yes	No	0.5 °C	
#2 Shipping container in good condition?	Yes	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?	Yes	No		
#6 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)?	Yes	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	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 Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
☐ Client understands and would like to proceed with analysis
☐ Cooling process had begun shortly after sampling event