

AP - 45

**ANNUAL
MONITORING REPORT**

**YEAR(S):
2004**

**2004 Annual Groundwater Monitoring Report
EME P-6 Line Leak Site
T20S, R36E, Section 6, Unit Letter P
Lea County, New Mexico**

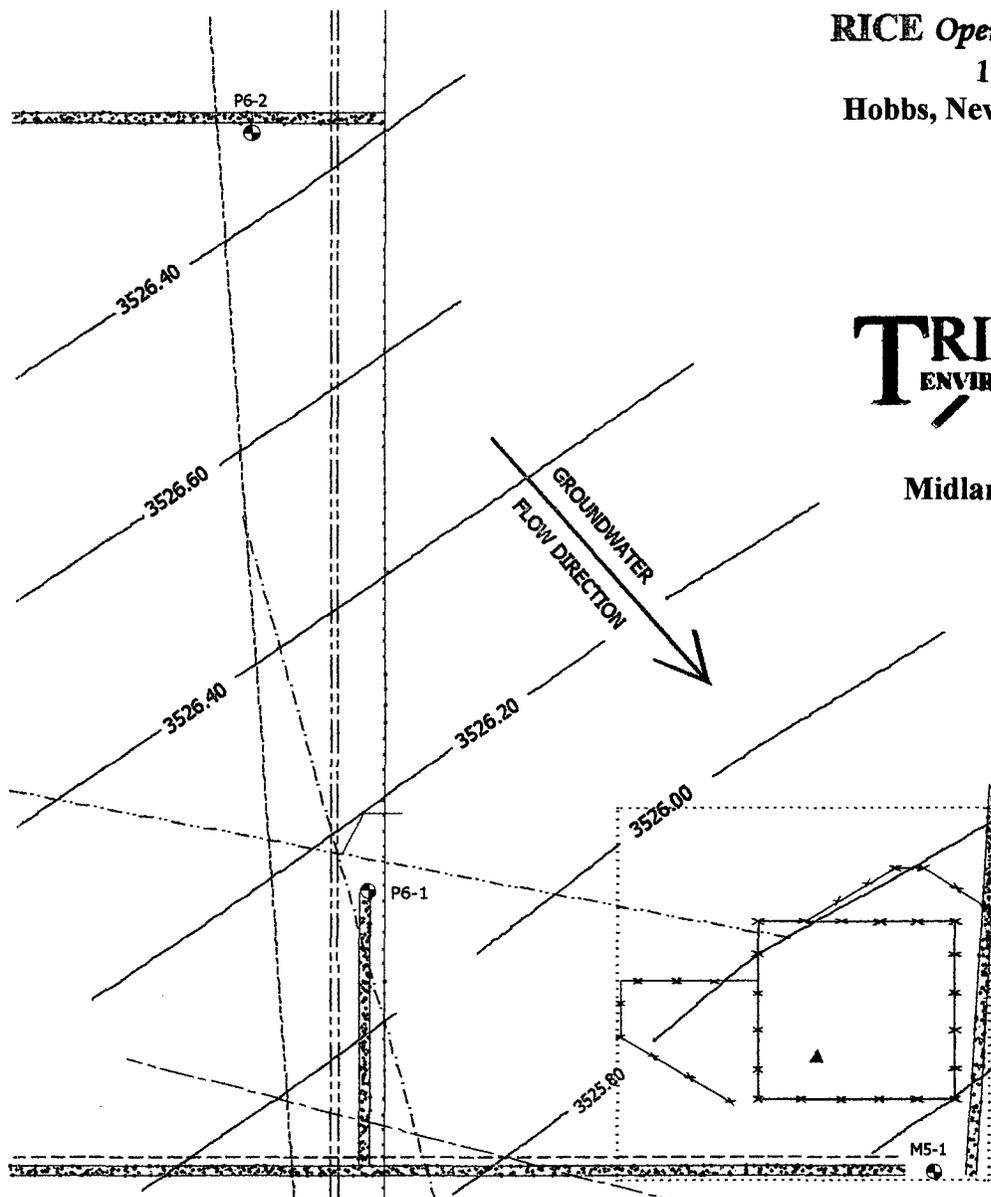
MARCH 22, 2005

Prepared For:

**RICE Operating Company
122 West Taylor
Hobbs, New Mexico 88240**

Prepared By:

**TRIDENT
ENVIRONMENTAL**
P O Box 7624
Midland, Texas 79708





CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 1737 2503

March 22, 2005

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

**RE: 2004 ANNUAL MONITORING WELL REPORT
EME P-6 LINE LEAK
T20S-R36E-Section 6, Unit Letter P
NMOCD CASE # 1R0422**

Mr. Price:

Trident Environmental takes this opportunity to submit the 2004 Annual Monitoring Well Report for the EME P-6 line leak site located in the Eunice Monument Eumont (EME) Salt Water Disposal (SWD) System. One monitoring well (P6-1) was installed in January 2002 during the delineation of the line leak. For further delineation, a downgradient monitoring well (M5-1) at a neighboring site, and upgradient well (P6-2) were installed in December 2003 and February 2004, respectively. These wells are sampled quarterly pursuant to NMOCD guidelines. In 2005, Trident Environmental will sample these wells and Environmental Lab of Texas of Odessa will continue to conduct laboratory analysis of the water samples.

Trident Environmental submitted an update to the Corrective Action Plan on March 16, 2005.

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 at (423) 638-3106 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

A handwritten signature in cursive script that reads "Gilbert J. Van Deventer".

Gilbert J. Van Deventer, REM, PG, NMCS
Trident Environmental - Project Manager

enclosures: Summary table & graphs, analytical results, maps

cc: LBG, CDH, KFP, file,
Chris Williams - NMOCD, District I Office (Hobbs)

MAPS

MAP LEGEND

P6-1

3526.11

Existing Monitoring Well

Elevation (Ft AMSL)

3521.60

Groundwater Elevation Contour
(Contour Interval = 0.20 feet)

CI 8210
SO4 1870
TDS 17800
BTEX <0.001

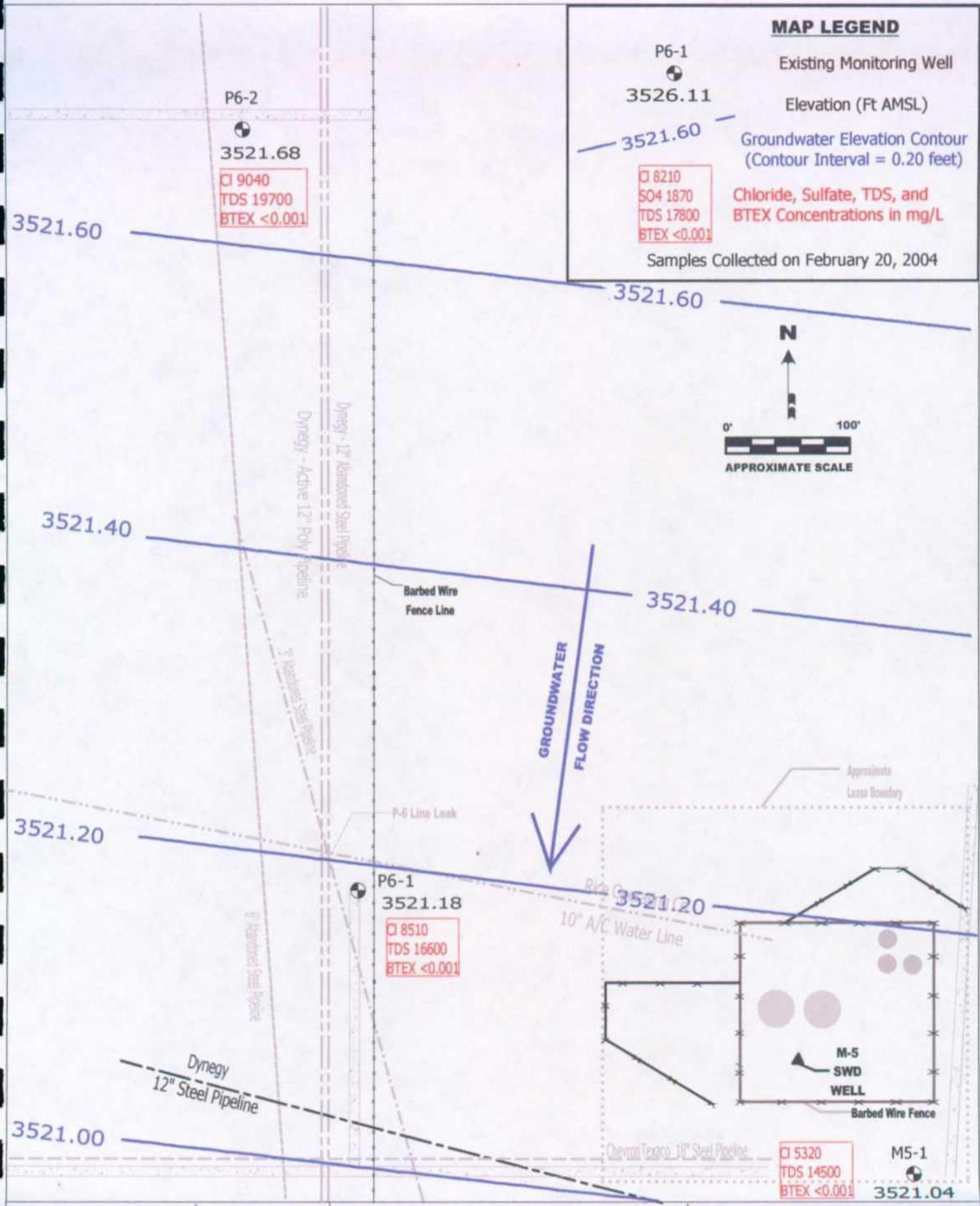
Chloride, Sulfate, TDS, and
BTEX Concentrations in mg/L

Samples Collected on February 20, 2004

N

0' 100'

APPROXIMATE SCALE



Site: EME P-6 Line Leak

Date: February 20, 2004

Author: GJV

File: Projects/Rice/EME/P6/P6SiteMap

FIGURE 1A
EME SYSTEM
P-6 LINE LEAK & M-5 SWD
SITE MAP

MAP LEGEND

P6-1

3526.11

Existing Monitoring Well

Elevation (Ft AMSL)

3521.60

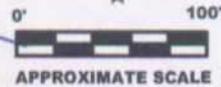
Groundwater Elevation Contour
(Contour Interval = 0.20 feet)

CI 8210
SO4 1870
TDS 17800
BTEX <0.001

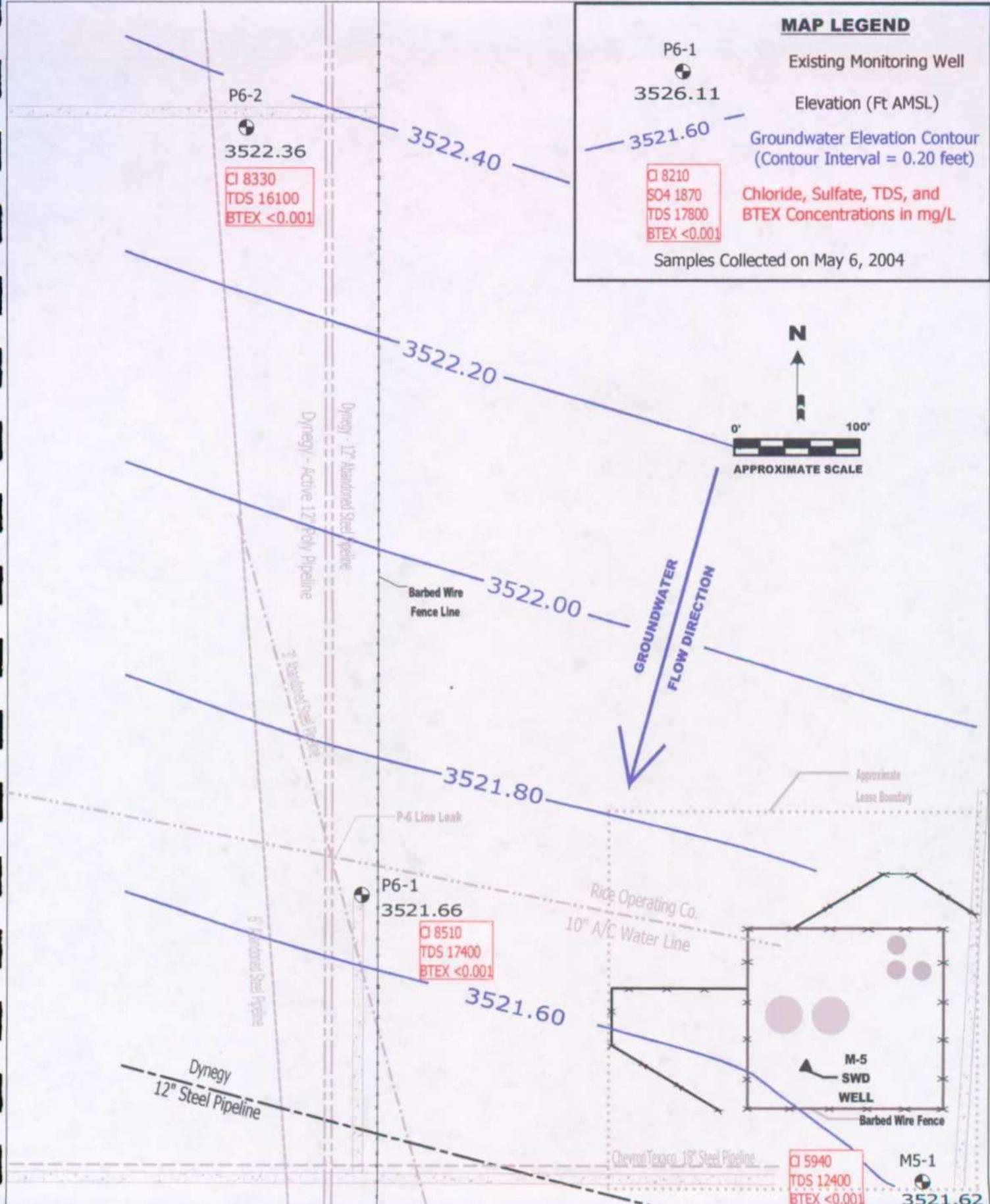
Chloride, Sulfate, TDS, and
BTEX Concentrations in mg/L

Samples Collected on May 6, 2004

N



GROUNDWATER
FLOW DIRECTION



Site: EME P-6 Line Leak
Date: May 6, 2004
Author: GJV
File: Projects/Rice/EME/P6/P6SiteMap

FIGURE 1B
EME SYSTEM
P-6 LINE LEAK & M-5 SWD
SITE MAP

MAP LEGEND

P6-1

3526.11

Existing Monitoring Well

Elevation (Ft AMSL)

3521.60

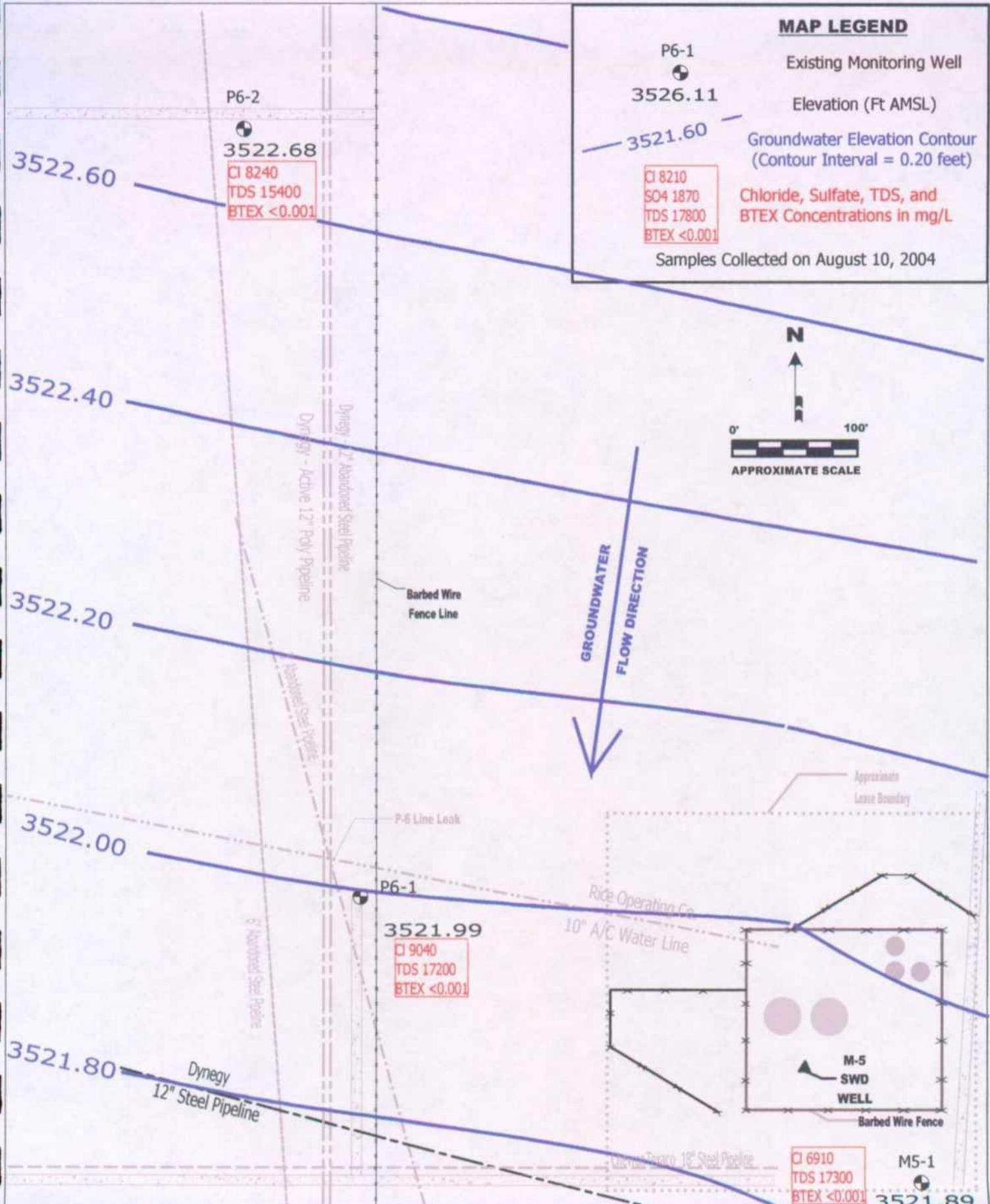
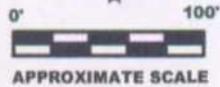
Groundwater Elevation Contour
(Contour Interval = 0.20 feet)

CI 8210
SO4 1870
TDS 17800
BTEX <0.001

Chloride, Sulfate, TDS, and
BTEX Concentrations in mg/L

Samples Collected on August 10, 2004

N



Site: EME P-6 Line Leak

Date: August 10, 2004

Author: GJV

File: Projects/Rice/EME/P6/P6SiteMap

FIGURE 1C
EME SYSTEM
P-6 LINE LEAK & M-5 SWD
SITE MAP

MAP LEGEND

P6-1

3526.11

Existing Monitoring Well

Elevation (Ft AMSL)

3521.60

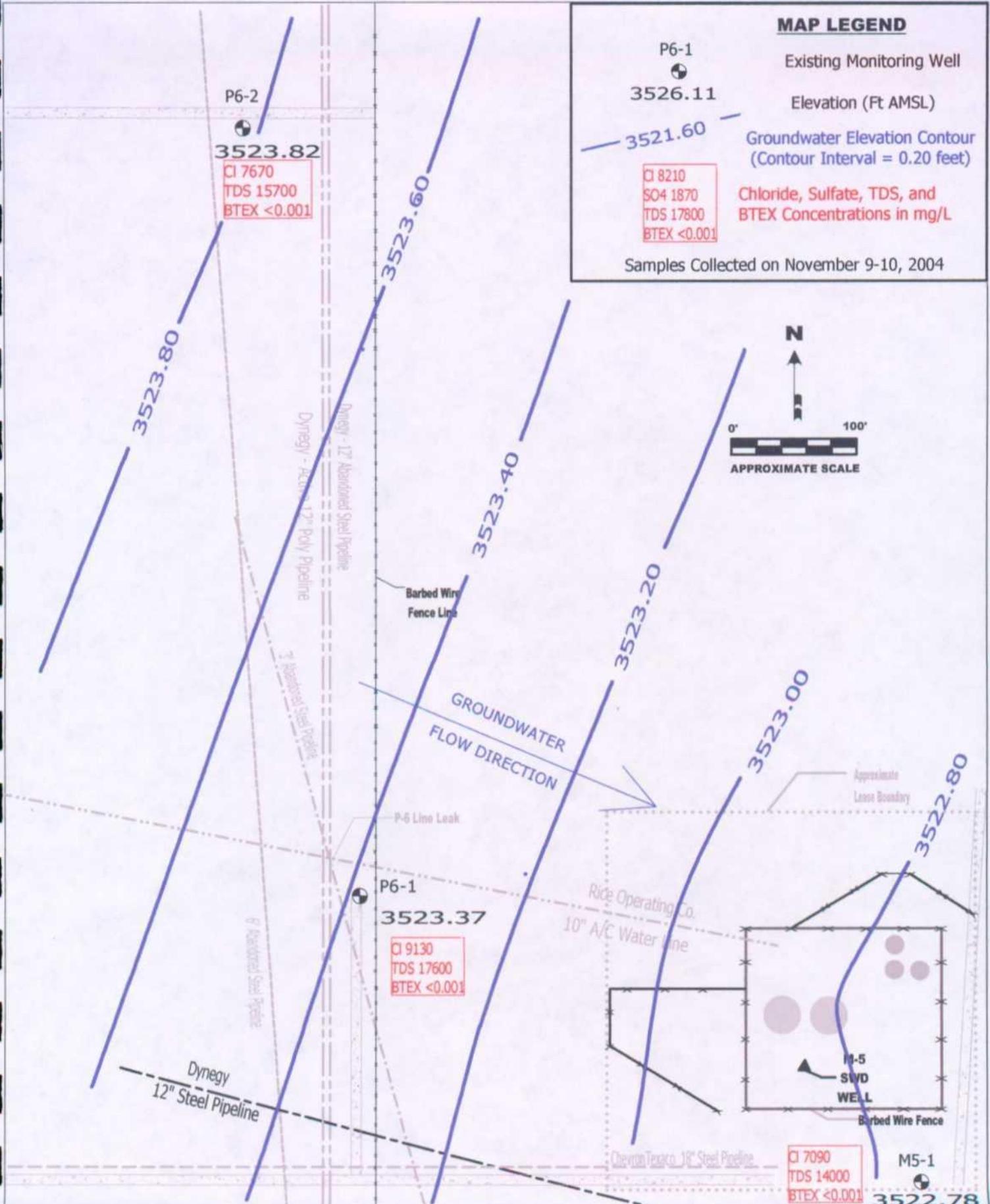
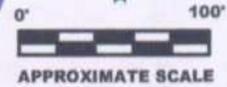
Groundwater Elevation Contour
(Contour Interval = 0.20 feet)

CI 8210
SO4 1870
TDS 17800
BTEX <0.001

Chloride, Sulfate, TDS, and
BTEX Concentrations in mg/L

Samples Collected on November 9-10, 2004

N



Site: EME P-6 Line Leak
Date: November 9, 2004
Author: GJV
File: Projects/Rice/EME/P6/P6SiteMap

FIGURE 1D
EME SYSTEM
P-6 LINE LEAK & M-5 SWD
SITE MAP

MAP LEGEND

P6-1

3526.11

Existing Monitoring Well

Elevation (Ft AMSL)

3521.60

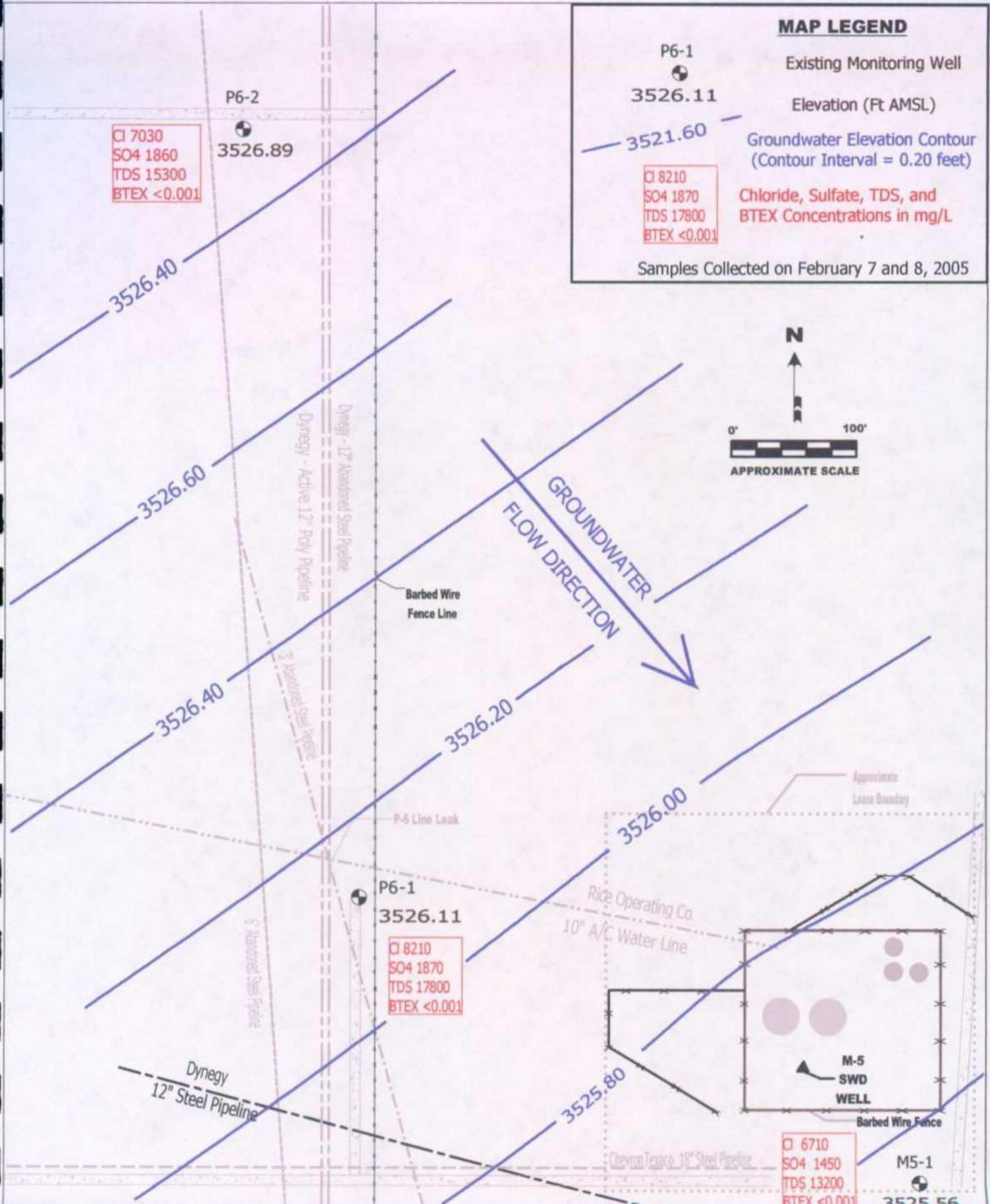
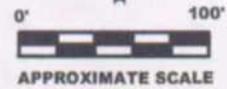
Groundwater Elevation Contour
(Contour Interval = 0.20 feet)

CI 8210
SO4 1870
TDS 17800
BTEX <0.001

Chloride, Sulfate, TDS, and
BTEX Concentrations in mg/L

Samples Collected on February 7 and 8, 2005

N



Site: EME P-6 Line Leak
Date: February 7, 2005
Author: GJV
File: Projects/Rice/EME/P6/P6SiteMap

FIGURE 1E
EME SYSTEM
P-6 LINE LEAK & M-5 SWD
SITE MAP

TABLES AND GRAPHS



Table 1
Summary of Groundwater Sampling Results
EME P-6 Line Leak Site

Monitoring Well	Sample Date	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
P6-1	01/10/02	10700	999	20248	<0.002	<0.002	<0.002	<0.006	36.70	3522.32
	05/14/02	8060	852	18200	<0.001	<0.001	<0.001	<0.001	36.73	3522.29
	08/15/02	9570	646	16900	<0.001	<0.001	<0.001	<0.001	36.95	3522.07
	11/06/02	9040	952	17400	<0.001	<0.001	<0.001	<0.001	37.15	3521.87
	02/27/03	8860	741	15000	<0.001	<0.001	<0.001	<0.001	37.12	3521.90
	05/29/03	8680	858	20000	<0.001	<0.001	<0.001	<0.001	37.19	3521.83
	08/21/03	8860	683	17800	<0.001	<0.001	<0.001	<0.001	37.43	3521.59
	11/19/03	8690	619	18500	<0.001	<0.001	<0.001	<0.001	37.64	3521.38
	02/20/04	8510	830	16600	<0.001	<0.001	<0.001	<0.001	37.84	3521.18
	05/06/04	8510	756	17400	<0.001	<0.001	<0.001	<0.001	37.36	3521.66
	08/10/04	9040	889	17200	<0.001	<0.001	<0.001	<0.001	37.03	3521.99
	11/09/04	9130	1220	17600	<0.001	<0.001	<0.001	<0.001	36.28	3522.74
02/07/05	8210	1870	17800	<0.001	<0.001	<0.001	<0.001	33.54	3526.11	
P6-2	02/20/04	9040	1260	19700	<0.001	<0.001	<0.001	<0.001	37.97	3521.68
	05/06/04	8330	1340	16100	<0.001	<0.001	<0.001	<0.001	37.29	3522.36
	08/10/04	8240	1220	15400	<0.001	<0.001	<0.001	<0.001	36.97	3522.68
	11/09/04	7670	1280	15700	<0.001	<0.001	<0.001	<0.001	35.83	3523.82
	02/07/05	7030	1860	15300	<0.001	<0.001	<0.001	<0.001	32.76	3526.89
M5-1	12/11/03	6198	99.8	10784	<0.002	<0.002	<0.002	<0.006	33.28	3521.13
	02/20/04	5320	454	14500	<0.002	<0.002	<0.002	<0.006	33.37	3521.04
	05/06/04	5940	420	12400	<0.002	<0.002	<0.002	<0.006	32.79	3521.62
	08/10/04	6910	470	17300	<0.001	<0.001	<0.001	<0.001	32.52	3521.89
	11/09/04	7090	614	14000	<0.001	<0.001	<0.001	<0.001	31.63	3522.78
	02/07/05	6710	1450	13200	<0.001	<0.001	<0.001	<0.001	28.85	3525.56
WQCC Standards		250	600	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.

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.

Figure 2
Chloride, Sulfate, TDS, and Groundwater Elevation Values Versus Time Graph (P6-1)

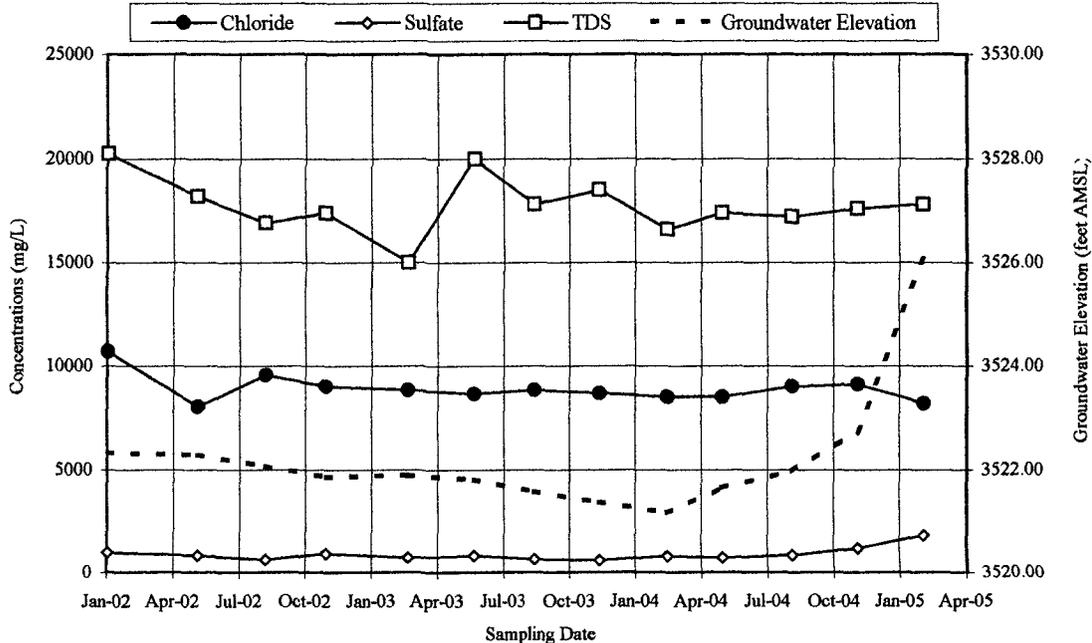


Figure 3

Chloride, Sulfate, TDS, and Groundwater Elevation Values Versus Time Graph (P6-2)

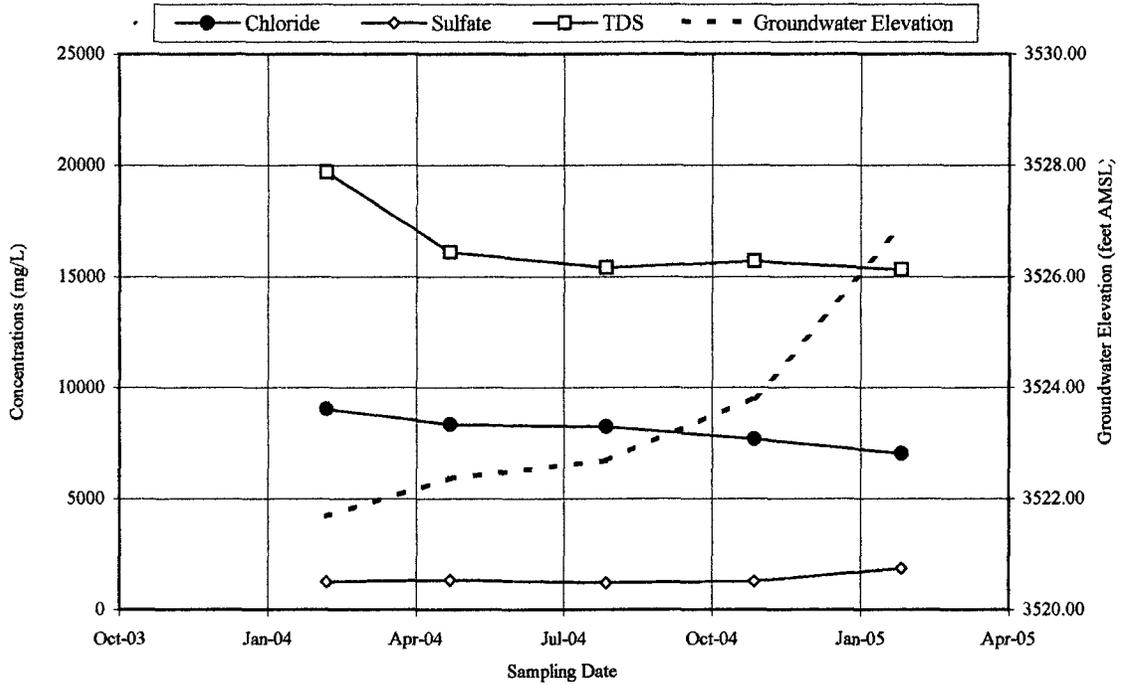
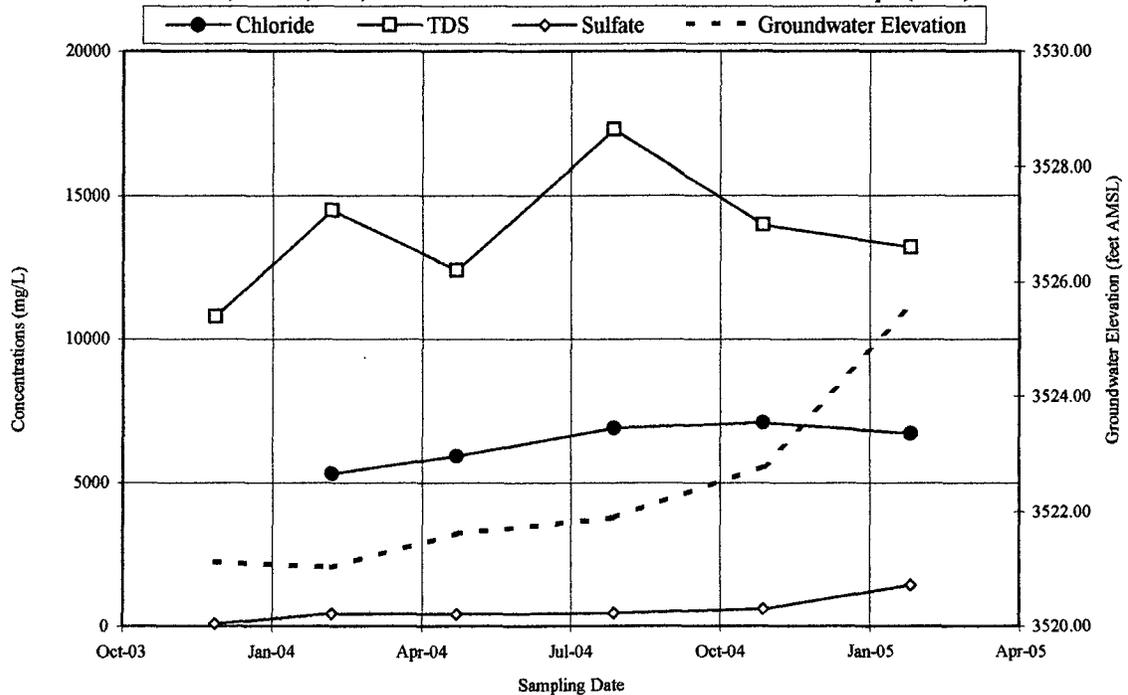


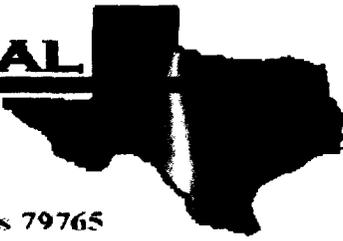
Figure 4

Chloride, Sulfate, TDS, and Groundwater Elevation Values Versus Time Graph (M5-1)



LABORATORY REPORTS
AND
CHAIN OF CUSTODY DOCUMENTATION

E NVIRONMENTAL
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System P-6 Line Leak Site

Project Number: None Given

Location: T20S, R37E, Sec 6, Unit Letter P

Lab Order Number: 4E07003

Report Date: 05/13/04

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P6-1	4E07003-01	Water	05/06/04 12:10	05/07/04 08:05
P6-2	4E07003-02	Water	05/06/04 11:15	05/07/04 08:05

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

Project: EME System P-6 Line Leak Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 05/13/04 09:25

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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P6-1 (4E07003-01) Water

Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	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>		117 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.0 %	80-120		"	"	"	"	

P6-2 (4E07003-02) Water

Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	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>		113 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.0 %	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.

Quality Assurance Review

Page 2 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:25

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4E07003-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	224	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	8510	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	17400	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	756	5.00	"	10	EE41114	05/11/04	05/11/04	EPA 375.4	
P6-2 (4E07003-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	240	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	8330	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	16100	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	1340	12.5	"	25	EE41114	05/11/04	05/11/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

Page 3 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:25

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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P6-1 (4E07003-01) Water

Calcium	1820	10.0	mg/L	1000	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	626	0.100	"	100	"	"	"	"	
Potassium	80.1	0.500	"	10	"	"	"	"	
Sodium	4280	10.0	"	1000	"	"	"	"	

P6-2 (4E07003-02) Water

Calcium	1760	10.0	mg/L	1000	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	651	0.100	"	100	"	"	"	"	
Potassium	89.4	0.500	"	10	"	"	"	"	
Sodium	5000	10.0	"	1000	"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

Page 4 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:25

**Organics by GC - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE41103 - EPA 5030C (GC)

Blank (EE41103-BLK1)

Prepared & Analyzed: 05/07/04

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	23.2		ug/l	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	19.7		"	20.0		98.5	80-120			

LCS (EE41103-BS1)

Prepared & Analyzed: 05/07/04

Benzene	91.9		ug/l	100		91.9	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	210		"	200		105	80-120			
Xylene (o)	106		"	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.6		"	20.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		"	20.0		118	80-120			

Calibration Check (EE41103-CCV1)

Prepared & Analyzed: 05/07/04

Benzene	85.5		ug/l	100		85.5	80-120			
Toluene	95.5		"	100		95.5	80-120			
Ethylbenzene	91.2		"	100		91.2	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	96.5		"	100		96.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.3		"	20.0		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	23.7		"	20.0		118	80-120			

Duplicate (EE41103-DUP1)

Source: 4E07001-01

Prepared & Analyzed: 05/07/04

Benzene	ND	0.00100	mg/L		ND				20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	ND	0.00100	"		ND				20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	23.5		ug/l	20.0		118	80-120			
Surrogate: 4-Bromofluorobenzene	21.4		"	20.0		107	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.

Quality Assurance Review

Page 5 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:25

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE41103 - EPA 5030C (GC)

Matrix Spike (EE41103-MS1)

Source: 4E07001-02

Prepared & Analyzed: 05/07/04

Benzene	86.2		ug/l	100	ND	86.2	80-120			
Toluene	96.9		"	100	ND	96.9	80-120			
Ethylbenzene	92.9		"	100	ND	92.9	80-120			
Xylene (p/m)	196		"	200	ND	98.0	80-120			
Xylene (o)	96.7		"	100	ND	96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.8		"	20.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	23.3		"	20.0		116	80-120			

Environmental Lab of Texas

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Quality Assurance Review

Page 6 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:25

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

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

Batch EE40709 - General Preparation (WetChem)

Blank (EE40709-BLK1)

Prepared & Analyzed: 05/07/04

Chloride ND 5.00 mg/L

Matrix Spike (EE40709-MS1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Chloride 514 5.00 mg/L 250 270 97.6 80-120

Matrix Spike Dup (EE40709-MSD1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Chloride 514 5.00 mg/L 250 270 97.6 80-120 0.00 20

Reference (EE40709-SRM1)

Prepared & Analyzed: 05/07/04

Chloride 4780 mg/L 5000 95.6 80-120

Batch EE40710 - General Preparation (WetChem)

Blank (EE40710-BLK1)

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity ND 0.100 mg/L

Bicarbonate Alkalinity ND 2.00 "

Hydroxide Alkalinity ND 0.100 "

Calibration Check (EE40710-CCV1)

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity 0.0454 mg/L 0.0500 90.8 80-120

Duplicate (EE40710-DUP1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity 0.00 0.100 mg/L 0.00 20

Bicarbonate Alkalinity 174 2.00 " 173 0.576 20

Hydroxide Alkalinity 0.00 0.100 " 0.00 20

Environmental Lab of Texas

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Quality Assurance Review

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:25

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

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

Batch EE41102 - General Preparation (WetChem)

Blank (EE41102-BLK1)

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EE41102-DUP1)

Source: 4E07001-01

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids 1450 5.00 mg/L 1440 0.692 20

Batch EE41114 - General Preparation (WetChem)

Blank (EE41114-BLK1)

Prepared & Analyzed: 05/11/04

Sulfate ND 0.500 mg/L

Calibration Check (EE41114-CCV1)

Prepared & Analyzed: 05/11/04

Sulfate 50.9 mg/L 50.0 102 80-120

Duplicate (EE41114-DUP1)

Source: 4E06007-02

Prepared & Analyzed: 05/11/04

Sulfate 270 2.50 mg/L 274 1.47 20

Environmental Lab of Texas

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Quality Assurance Review

Page 8 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:25

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

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

Batch EE41104 - General Preparation (Metals)

Blank (EE41104-BLK1)

Prepared: 05/10/04 Analyzed: 05/11/04

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

Calibration Check (EE41104-CCV1)

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	1.98		mg/L	2.00		99.0	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.83		"	2.00		91.5	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EE41104-DUP1)

Source: 4E07001-01

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	24.4	0.100	mg/L		24.5			0.409	20	
Magnesium	4.18	0.00100	"		4.18			0.00	20	
Potassium	18.7	0.500	"		18.4			1.62	20	
Sodium	557	1.00	"		557			0.00	20	

Environmental Lab of Texas

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Quality Assurance Review

Page 9 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:25

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

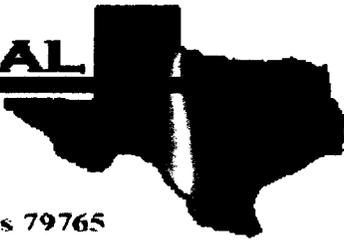
Environmental Lab of Texas

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Quality Assurance Review

Page 10 of 10

E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System M-5 SWD Site
Project Number: None Given
Location: T20S, R37E, Sec 5, Unit Letter M

Lab Order Number: 4E07004

Report Date: 05/13/04

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M5-1	4E07004-01	Water	05/06/04 13:20	05/07/04 08:05

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (4E07004-01) Water									
Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	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		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	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.

Quality Assurance Review

Page 2 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MS-1 (4E07004-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	210	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	5940	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	12400	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	420	5.00	"	10	EE41114	05/11/04	05/11/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:26

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (4E07004-01) Water									
Calcium	2110	10.0	mg/L	1000	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	565	0.100	"	100	"	"	"	"	
Potassium	56.0	0.500	"	10	"	"	"	"	
Sodium	2520	10.0	"	1000	"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

Page 4 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE41103 - EPA 5030C (GC)

Blank (EE41103-BLK1)

Prepared & Analyzed: 05/07/04

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	23.2		ug/l	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	19.7		"	20.0		98.5	80-120			

LCS (EE41103-BS1)

Prepared & Analyzed: 05/07/04

Benzene	91.9		ug/l	100		91.9	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	210		"	200		105	80-120			
Xylene (o)	106		"	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.6		"	20.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		"	20.0		118	80-120			

Calibration Check (EE41103-CCV1)

Prepared & Analyzed: 05/07/04

Benzene	85.5		ug/l	100		85.5	80-120			
Toluene	95.5		"	100		95.5	80-120			
Ethylbenzene	91.2		"	100		91.2	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	96.5		"	100		96.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.3		"	20.0		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	23.7		"	20.0		118	80-120			

Duplicate (EE41103-DUP1)

Source: 4E07001-01

Prepared & Analyzed: 05/07/04

Benzene	ND	0.00100	mg/L		ND				20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	ND	0.00100	"		ND				20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	23.5		ug/l	20.0		118	80-120			
Surrogate: 4-Bromofluorobenzene	21.4		"	20.0		107	80-120			

Environmental Lab of Texas

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Quality Assurance Review

Page 5 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

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 EE41103 - EPA 5030C (GC)

Matrix Spike (EE41103-MS1)

Source: 4E07001-02

Prepared & Analyzed: 05/07/04

Benzene	86.2		ug/l	100	ND	86.2	80-120			
Toluene	96.9		"	100	ND	96.9	80-120			
Ethylbenzene	92.9		"	100	ND	92.9	80-120			
Xylene (p/m)	196		"	200	ND	98.0	80-120			
Xylene (o)	96.7		"	100	ND	96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.8		"	20.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	23.3		"	20.0		116	80-120			

Environmental Lab of Texas

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Quality Assurance Review

Page 6 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

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 EE40709 - General Preparation (WetChem)

Blank (EE40709-BLK1)				Prepared & Analyzed: 05/07/04						
Chloride	ND	5.00	mg/L							
Matrix Spike (EE40709-MS1)				Source: 4E06007-02 Prepared & Analyzed: 05/07/04						
Chloride	514	5.00	mg/L	250	270	97.6	80-120			
Matrix Spike Dup (EE40709-MSD1)				Source: 4E06007-02 Prepared & Analyzed: 05/07/04						
Chloride	514	5.00	mg/L	250	270	97.6	80-120	0.00	20	
Reference (EE40709-SRM1)				Prepared & Analyzed: 05/07/04						
Chloride	4780		mg/L	5000		95.6	80-120			

Batch EE40710 - General Preparation (WetChem)

Blank (EE40710-BLK1)				Prepared & Analyzed: 05/07/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
Calibration Check (EE40710-CCV1)				Prepared & Analyzed: 05/07/04						
Carbonate Alkalinity	0.0454		mg/L	0.0500		90.8	80-120			
Duplicate (EE40710-DUP1)				Source: 4E06007-02 Prepared & Analyzed: 05/07/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	174	2.00	"		173			0.576	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Environmental Lab of Texas

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Quality Assurance Review

Page 7 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

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 EE41102 - General Preparation (WetChem)

Blank (EE41102-BLK1)

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EE41102-DUP1)

Source: 4E07001-01

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids 1450 5.00 mg/L 1440 0.692 20

Batch EE41114 - General Preparation (WetChem)

Blank (EE41114-BLK1)

Prepared & Analyzed: 05/11/04

Sulfate ND 0.500 mg/L

Calibration Check (EE41114-CCV1)

Prepared & Analyzed: 05/11/04

Sulfate 50.9 mg/L 50.0 102 80-120

Duplicate (EE41114-DUP1)

Source: 4E06007-02

Prepared & Analyzed: 05/11/04

Sulfate 270 2.50 mg/L 274 1.47 20

Environmental Lab of Texas

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Quality Assurance Review

Page 8 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 09:26

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 EE41104 - General Preparation (Metals)

Blank (EE41104-BLK1)

Prepared: 05/10/04 Analyzed: 05/11/04

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

Calibration Check (EE41104-CCV1)

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	1.98		mg/L	2.00		99.0	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.83		"	2.00		91.5	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EE41104-DUP1)

Source: 4E07001-01

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	24.4	0.100	mg/L		24.5			0.409	20	
Magnesium	4.18	0.00100	"		4.18			0.00	20	
Potassium	18.7	0.500	"		18.4			1.62	20	
Sodium	557	1.00	"		557			0.00	20	

Environmental Lab of Texas

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Quality Assurance Review

Page 9 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 09:26

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

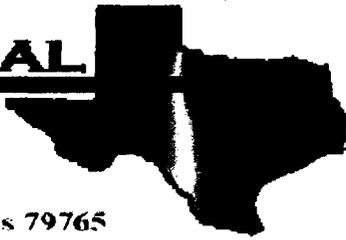
Environmental Lab of Texas

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Quality Assurance Review

Page 10 of 10

E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Location: T20S, R37E, Sec 6, Unit Letter P

Lab Order Number: 4H12015

Report Date: 08/19/04

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P6-1	4H12015-01	Water	08/10/04 15:02	08/12/04 16:45
P6-2	4H12015-02	Water	08/10/04 14:02	08/12/04 16:45

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

**Organics by GC
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4H12015-01) Water									
Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	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>		110 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.0 %	80-120		"	"	"	"	
P6-2 (4H12015-02) Water									
Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	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>		110 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.0 %	80-120		"	"	"	"	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4H12015-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	232	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	9040	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	17200	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	889	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	
P6-2 (4H12015-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	246	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	8240	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	15400	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	1220	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4H12015-01) Water									
Calcium	2240	10.0	mg/L	1000	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	652	0.100	"	100	"	"	"	"	
Potassium	73.8	0.500	"	10	"	"	"	"	
Sodium	5070	10.0	"	1000	"	"	"	"	
P6-2 (4H12015-02) Water									
Calcium	1790	10.0	mg/L	1000	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	580	0.100	"	100	"	"	"	"	
Potassium	74.0	0.500	"	10	"	"	"	"	
Sodium	4690	10.0	"	1000	"	"	"	"	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

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 EH41804 - EPA 5030C (GC)

Blank (EH41804-BLK1)

Prepared & Analyzed: 08/14/04

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	22.7		ug/l	20.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	20.2		"	20.0		101	80-120			

LCS (EH41804-BS1)

Prepared & Analyzed: 08/14/04

Benzene	89.5		ug/l	100		89.5	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	98.1		"	100		98.1	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	22.5		"	20.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	22.5		"	20.0		112	80-120			

Calibration Check (EH41804-CCV1)

Prepared & Analyzed: 08/14/04

Benzene	83.5		ug/l	100		83.5	80-120			
Toluene	91.4		"	100		91.4	80-120			
Ethylbenzene	90.5		"	100		90.5	80-120			
Xylene (p/m)	195		"	200		97.5	80-120			
Xylene (o)	91.8		"	100		91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.6		"	20.0		103	80-120			

Matrix Spike (EH41804-MS1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	82.2		ug/l	100	ND	82.2	80-120			
Toluene	93.1		"	100	ND	93.1	80-120			
Ethylbenzene	89.4		"	100	ND	89.4	80-120			
Xylene (p/m)	188		"	200	ND	94.0	80-120			
Xylene (o)	94.5		"	100	ND	94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

Environmental Lab of Texas

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

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 EH41804 - EPA 5030C (GC)

Matrix Spike Dup (EH41804-MSD1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	81.3		ug/l	100	ND	81.3	80-120	1.10	20	
Toluene	95.0		"	100	ND	95.0	80-120	2.02	20	
Ethylbenzene	90.3		"	100	ND	90.3	80-120	1.00	20	
Xylene (p/m)	189		"	200	ND	94.5	80-120	0.531	20	
Xylene (o)	89.4		"	100	ND	89.4	80-120	5.55	20	
Surrogate: <i>o,a,a</i> -Trifluorotoluene	19.9		"	20.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.0		"	20.0		100	80-120			

Environmental Lab of Texas

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Page 6 of 10

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 EH41610 - General Preparation (WetChem)

Blank (EH41610-BLK1)				Prepared & Analyzed: 08/13/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

Duplicate (EH41610-DUP1)				Source: 4H12015-01		Prepared & Analyzed: 08/13/04				
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	232	2.00	"		232		0.00		20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EH41610-SRM1)				Prepared & Analyzed: 08/13/04						
Carbonate Alkalinity	0.0530		mg/L	0.0500		106		80-120		

Batch EH41701 - General Preparation (WetChem)

Blank (EH41701-BLK1)				Prepared & Analyzed: 08/16/04						
Sulfate	ND	0.500	mg/L							

Calibration Check (EH41701-CCV1)				Prepared & Analyzed: 08/16/04						
Sulfate	51.0		mg/L	50.0		102		80-120		

Duplicate (EH41701-DUP1)				Source: 4H12014-01		Prepared & Analyzed: 08/16/04				
Sulfate	358	0.500	mg/L		322			10.6	20	

Batch EH41702 - General Preparation (WetChem)

Blank (EH41702-BLK1)				Prepared & Analyzed: 08/16/04						
Chloride	ND	5.00	mg/L							

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

Project: EME System P-6 Line Leak Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 08/19/04 14:47

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 EH41702 - General Preparation (WetChem)										
Matrix Spike (EH41702-MS1)		Source: 4H12012-21			Prepared & Analyzed: 08/16/04					
Chloride	160	5.00	mg/L	100	65.6	94.4	80-120			
Matrix Spike Dup (EH41702-MSD1)		Source: 4H12012-21			Prepared & Analyzed: 08/16/04					
Chloride	160	5.00	mg/L	100	65.6	94.4	80-120	0.00	20	
Reference (EH41702-SRM1)					Prepared & Analyzed: 08/16/04					
Chloride	4960		mg/L	5000		99.2	80-120			
Batch EH41711 - Filtration Preparation										
Blank (EH41711-BLK1)					Prepared: 08/15/04 Analyzed: 08/17/04					
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EH41711-DUP1)		Source: 4H12012-01			Prepared: 08/15/04 Analyzed: 08/17/04					
Total Dissolved Solids	539	5.00	mg/L		492			9.12	20	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

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 EH41719 - 6010B/No Digestion

Blank (EH41719-BLK1)

Prepared & Analyzed: 08/17/04

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

Calibration Check (EH41719-CCV1)

Prepared & Analyzed: 08/17/04

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.79		"	2.00		89.5	85-115			
Sodium	1.89		"	2.00		94.5	85-115			

Duplicate (EH41719-DUP1)

Source: 4H13013-04

Prepared & Analyzed: 08/17/04

Calcium	36.1	0.100	mg/L		35.2			2.52	20	
Magnesium	11.3	0.0100	"		10.9			3.60	20	
Potassium	34.3	0.500	"		33.2			3.26	20	
Sodium	405	1.00	"		415			2.44	20	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/19/04 14:47

Notes and Definitions

I-02 This result was analyzed outside of the EPA recommended holding time.

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:

8/19/04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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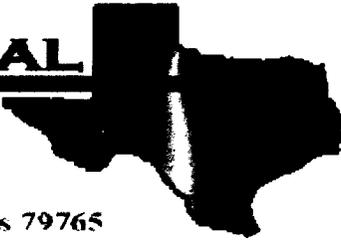
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Environmental Lab of Texas

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E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System M-5 SWD Site

Project Number: None Given

Location: T20S, R37E, Sec 5, Unit Letter M

Lab Order Number: 4H13001

Report Date: 08/20/04

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M 5-1	4H13001-01	Water	08/11/04 10:41	08/12/04 16:45

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M 5-1 (4H13001-01) Water									
Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	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>		117 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.5 %	80-120		"	"	"	"	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M 5-1 (4H13001-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	
Bicarbonate Alkalinity	222	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	6910	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	17300	5.00	"	"	EH41801	08/17/04	08/18/04	EPA 160.1	
Sulfate	470	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	

Environmental Lab of Texas

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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M 5-1 (4H13001-01) Water

Calcium	2360	10.0	mg/L	1000	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	530	0.100	"	100	"	"	"	"	
Potassium	44.2	0.500	"	10	"	"	"	"	
Sodium	2580	10.0	"	1000	"	"	"	"	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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 EH41804 - EPA 5030C (GC)

Blank (EH41804-BLK1)

Prepared & Analyzed: 08/14/04

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	22.7		ug/l	20.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	20.2		"	20.0		101	80-120			

LCS (EH41804-BS1)

Prepared & Analyzed: 08/14/04

Benzene	89.5		ug/l	100		89.5	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	98.1		"	100		98.1	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	22.5		"	20.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	22.5		"	20.0		112	80-120			

Calibration Check (EH41804-CCV1)

Prepared & Analyzed: 08/14/04

Benzene	83.5		ug/l	100		83.5	80-120			
Toluene	91.4		"	100		91.4	80-120			
Ethylbenzene	90.5		"	100		90.5	80-120			
Xylene (p/m)	195		"	200		97.5	80-120			
Xylene (o)	91.8		"	100		91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.6		"	20.0		103	80-120			

Matrix Spike (EH41804-MS1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	82.2		ug/l	100	ND	82.2	80-120			
Toluene	93.1		"	100	ND	93.1	80-120			
Ethylbenzene	89.4		"	100	ND	89.4	80-120			
Xylene (p/m)	188		"	200	ND	94.0	80-120			
Xylene (o)	94.5		"	100	ND	94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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 EH41804 - EPA 5030C (GC)

Matrix Spike Dup (EH41804-MSD1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	81.3		ug/l	100	ND	81.3	80-120	1.10	20	
Toluene	95.0		"	100	ND	95.0	80-120	2.02	20	
Ethylbenzene	90.3		"	100	ND	90.3	80-120	1.00	20	
Xylene (p/m)	189		"	200	ND	94.5	80-120	0.531	20	
Xylene (o)	89.4		"	100	ND	89.4	80-120	5.55	20	
Surrogate: a,a,a-Trifluorotoluene	19.9		"	20.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.0		"	20.0		100	80-120			

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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 EH41610 - General Preparation (WetChem)

Blank (EH41610-BLK1)

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

Duplicate (EH41610-DUP1)

Source: 4H12015-01

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	232	2.00	"		232			0.00	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EH41610-SRM1)

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	0.0530		mg/L	0.0500		106	80-120			
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Batch EH41701 - General Preparation (WetChem)

Blank (EH41701-BLK1)

Prepared & Analyzed: 08/16/04

Sulfate	ND	0.500	mg/L							
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Calibration Check (EH41701-CCV1)

Prepared & Analyzed: 08/16/04

Sulfate	51.0		mg/L	50.0		102	80-120			
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Duplicate (EH41701-DUP1)

Source: 4H12014-01

Prepared & Analyzed: 08/16/04

Sulfate	358	0.500	mg/L		322			10.6	20	
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Batch EH41702 - General Preparation (WetChem)

Blank (EH41702-BLK1)

Prepared & Analyzed: 08/16/04

Chloride	ND	5.00	mg/L							
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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 EH41702 - General Preparation (WetChem)

Matrix Spike (EH41702-MS1)		Source: 4H12012-21		Prepared & Analyzed: 08/16/04						
Chloride	160	5.00	mg/L	100	65.6	94.4	80-120			

Matrix Spike Dup (EH41702-MSD1)		Source: 4H12012-21		Prepared & Analyzed: 08/16/04						
Chloride	160	5.00	mg/L	100	65.6	94.4	80-120	0.00	20	

Reference (EH41702-SRM1)		Prepared & Analyzed: 08/16/04								
Chloride	4960		mg/L	5000		99.2	80-120			

Batch EH41801 - Filtration Preparation

Blank (EH41801-BLK1)		Prepared: 08/17/04 Analyzed: 08/18/04								
Total Dissolved Solids	ND	5.00	mg/L							

Duplicate (EH41801-DUP1)		Source: 4H17009-01		Prepared: 08/17/04 Analyzed: 08/18/04						
Total Dissolved Solids	3900	5.00	mg/L		3910			0.256	20	

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

Project: EME System M-5 SWD Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 08/20/04 18:26

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 EH41719 - 6010B/No Digestion

Blank (EH41719-BLK1)

Prepared & Analyzed: 08/17/04

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

Calibration Check (EH41719-CCV1)

Prepared & Analyzed: 08/17/04

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.79		"	2.00		89.5	85-115			
Sodium	1.89		"	2.00		94.5	85-115			

Duplicate (EH41719-DUP1)

Source: 4H13013-04

Prepared & Analyzed: 08/17/04

Calcium	36.1	0.100	mg/L		35.2			2.52	20	
Magnesium	11.3	0.0100	"		10.9			3.60	20	
Potassium	34.3	0.500	"		33.2			3.26	20	
Sodium	405	1.00	"		415			2.44	20	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
08/20/04 18:26

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:

8/20/04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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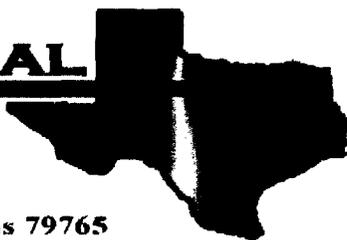
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Environmental Lab of Texas

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Page 10 of 10

E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME System P-6 Line Leak Site

Project Number: V118P6

Location: T20S, R37E, Sec 6, Unit P Letter

Lab Order Number: 4K11008

Report Date: 11/22/04

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P6-1	4K11008-01	Water	11/09/04 16:40	11/11/04 11:00
P6-2	4K11008-02	Water	11/09/04 15:40	11/11/04 11:00

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:12

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4K11008-01) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	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>		107 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %	80-120	"	"	"	"	"	
P6-2 (4K11008-02) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	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>		115 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	80-120	"	"	"	"	"	

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

Project: EME System P-6 Line Leak Site
 Project Number: V118P6
 Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
 11/22/04 17:12

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4K11008-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	230	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	9130	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	17600	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	1220	12.5	"	25	EK41904	11/11/04	11/11/04	EPA 375.4	
P6-2 (4K11008-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	228	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	7670	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	15700	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	1280	12.5	"	25	EK41904	11/11/04	11/11/04	EPA 375.4	

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:12

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (4K11008-01) Water									
Calcium	1590	10.0	mg/L	1000	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	605	1.00	"	"	"	"	"	"	
Potassium	46.8	5.00	"	100	"	"	"	"	
Sodium	3680	10.0	"	1000	"	"	"	"	
P6-2 (4K11008-02) Water									
Calcium	1360	10.0	mg/L	1000	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	469	0.100	"	100	"	"	"	"	
Potassium	39.3	5.00	"	"	"	"	"	"	
Sodium	3170	10.0	"	1000	"	"	"	"	

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:12

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 EK41502 - EPA 5030C (GC)

Blank (EK41502-BLK1)

Prepared & Analyzed: 11/12/04

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	17.8		ug/l	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

LCS (EK41502-BS1)

Prepared & Analyzed: 11/12/04

Benzene	106		ug/l	100		106	80-120			
Toluene	107		"	100		107	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	237		"	200		118	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.3		"	20.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.4		"	20.0		117	80-120			

LCS Dup (EK41502-BSD1)

Prepared & Analyzed: 11/12/04

Benzene	105		ug/l	100		105	80-120	0.948	20	
Toluene	106		"	100		106	80-120	0.939	20	
Ethylbenzene	113		"	100		113	80-120	0.00	20	
Xylene (p/m)	223		"	200		112	80-120	5.22	20	
Xylene (o)	106		"	100		106	80-120	0.939	20	
Surrogate: a,a,a-Trifluorotoluene	19.3		"	20.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	22.2		"	20.0		111	80-120			

Calibration Check (EK41502-CCV1)

Prepared & Analyzed: 11/12/04

Benzene	102		ug/l	100		102	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	213		"	200		106	80-120			
Xylene (o)	112		"	100		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.8		"	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	21.7		"	20.0		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 11

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

Project: EME System P-6 Line Leak Site
 Project Number: V118P6
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 11/22/04 17:12

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 EK41502 - EPA 5030C (GC)

Matrix Spike (EK41502-MS1)	Source: 4K11005-01	Prepared & Analyzed: 11/12/04
Benzene	116 ug/l	100 ND 116 80-120
Toluene	115 "	100 ND 115 80-120
Ethylbenzene	107 "	100 ND 107 80-120
Xylene (p/m)	227 "	200 ND 114 80-120
Xylene (o)	115 "	100 ND 115 80-120
Surrogate: a,a,a-Trifluorotoluene	21.2 "	20.0 106 80-120
Surrogate: 4-Bromofluorobenzene	21.9 "	20.0 110 80-120

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

Project: EME System P-6 Line Leak Site
 Project Number: V118P6
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 11/22/04 17:12

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 EK41206 - Filtration Preparation

Blank (EK41206-BLK1) Prepared & Analyzed: 11/11/04										
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EK41206-DUP1) Source: 4K11004-01 Prepared & Analyzed: 11/11/04										
Total Dissolved Solids	2000	5.00	mg/L		1910			4.60	20	

Batch EK41809 - General Preparation (WetChem)

Blank (EK41809-BLK1) Prepared & Analyzed: 11/17/04										
Chloride	ND	5.00	mg/L							
Matrix Spike (EK41809-MS1) Source: 4K11004-01 Prepared & Analyzed: 11/17/04										
Chloride	1220	5.00	mg/L	500	727	98.6	80-120			
Matrix Spike Dup (EK41809-MSD1) Source: 4K11004-01 Prepared & Analyzed: 11/17/04										
Chloride	1230	5.00	mg/L	500	727	101	80-120	0.816	20	
Reference (EK41809-SRM1) Prepared & Analyzed: 11/17/04										
Chloride	4960		mg/L	5000		99.2	80-120			

Batch EK41814 - General Preparation (WetChem)

Blank (EK41814-BLK1) Prepared & Analyzed: 11/11/04										
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:12

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 EK41814 - General Preparation (WetChem)

Duplicate (EK41814-DUP1)

Source: 4K11004-01

Prepared & Analyzed: 11/11/04

Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	161	2.00	"		160			0.623	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EK41814-SRM1)

Prepared & Analyzed: 11/11/04

Carbonate Alkalinity	0.0500		mg/L	0.0500		100	80-120			
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Batch EK41904 - General Preparation (WetChem)

Blank (EK41904-BLK1)

Prepared & Analyzed: 11/11/04

Sulfate	ND	0.500	mg/L							
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Calibration Check (EK41904-CCV1)

Prepared & Analyzed: 11/11/04

Sulfate	49.3		mg/L	50.0		98.6	80-120			
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Duplicate (EK41904-DUP1)

Source: 4K11004-01

Prepared & Analyzed: 11/11/04

Sulfate	241	2.50	mg/L		238			1.25	20	
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:12

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EK42201 - 6010B/No Digestion

Blank (EK42201-BLK1)

Prepared: 11/15/04 Analyzed: 11/19/04

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

Blank (EK42201-BLK2)

Prepared: 11/15/04 Analyzed: 11/19/04

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

Calibration Check (EK42201-CCV1)

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.88		"	2.00		94.0	85-115			

Calibration Check (EK42201-CCV2)

Prepared: 11/15/04 Analyzed: 11/22/04

Calcium	1.83		mg/L	2.00		91.5	85-115			
Magnesium	1.96		"	2.00		98.0	85-115			
Potassium	1.78		"	2.00		89.0	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EK42201-DUP1)

Source: 4K11013-01RE1

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	34.6	0.100	mg/L		ND				20	
Magnesium	25.6	0.0100	"		ND				20	
Potassium	4.08	0.500	"		ND				20	
Sodium	77.4	1.00	"		ND				20	

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:12

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EK42201 - 6010B/No Digestion

Duplicate (EK42201-DUP2)

Source: 4K11004-01

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	180	1.00	mg/L		179			0.557	20	
Magnesium	48.9	0.0100	"		47.2			3.54	20	
Potassium	11.7	0.500	"		9.88			16.9	20	
Sodium	283	1.00	"		268			5.44	20	

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

Project: EME System P-6 Line Leak Site
Project Number: V118P6
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:12

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: 11/22/2004

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: Rice Operating Co.

Date/Time: 11-11-04 @ 1200

Order #: 4K11008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	-2.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>	
Custody Seals intact on sample bottles?	Yes	No	<u>Not present</u>	
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:

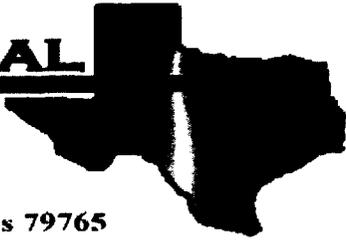
Variance Documentation:

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

Regarding: _____

Corrective Action Taken:

E NVIRONMENTAL
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System M-5 SWD Site
Project Number: None Given
Location: T20S, R37E, Sec 5, Unit Letter M

Lab Order Number: 4K11005

Report Date: 11/22/04

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M5-1	4K11005-01	Water	11/10/04 10:30	11/11/04 11:00

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:10

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (4K11005-01) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	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>		96.0 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	80-120	"	"	"	"	"	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (4K11005-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	256	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	7090	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	14000	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	614	6.25	"	12.5	EK41904	11/11/04	11/11/04	EPA 375.4	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
11/22/04 17:10

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (4K11005-01) Water									
Calcium	1600	10.0	mg/L	1000	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	428	0.100	"	100	"	"	"	"	
Potassium	39.2	0.500	"	10	"	"	"	"	
Sodium	1940	10.0	"	1000	"	"	"	"	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EK41502 - EPA 5030C (GC)

Blank (EK41502-BLK1)

Prepared & Analyzed: 11/12/04

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	17.8		ug/l	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

LCS (EK41502-BS1)

Prepared & Analyzed: 11/12/04

Benzene	106		ug/l	100		106	80-120			
Toluene	107		"	100		107	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	237		"	200		118	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.3		"	20.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.4		"	20.0		117	80-120			

LCS Dup (EK41502-BSD1)

Prepared & Analyzed: 11/12/04

Benzene	105		ug/l	100		105	80-120	0.948	20	
Toluene	106		"	100		106	80-120	0.939	20	
Ethylbenzene	113		"	100		113	80-120	0.00	20	
Xylene (p/m)	223		"	200		112	80-120	5.22	20	
Xylene (o)	106		"	100		106	80-120	0.939	20	
Surrogate: a,a,a-Trifluorotoluene	19.3		"	20.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	22.2		"	20.0		111	80-120			

Calibration Check (EK41502-CCV1)

Prepared & Analyzed: 11/12/04

Benzene	102		ug/l	100		102	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	213		"	200		106	80-120			
Xylene (o)	112		"	100		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.8		"	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	21.7		"	20.0		108	80-120			

Environmental Lab of Texas

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Page 5 of 11

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME System M-5 SWD Site Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 11/22/04 17:10
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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 EK41502 - EPA 5030C (GC)

Matrix Spike (EK41502-MS1)	Source: 4K11005-01			Prepared & Analyzed: 11/12/04						
Benzene	116		ug/l	100	ND	116	80-120			
Toluene	115		"	100	ND	115	80-120			
Ethylbenzene	107		"	100	ND	107	80-120			
Xylene (p/m)	227		"	200	ND	114	80-120			
Xylene (o)	115		"	100	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.2		"	20.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	21.9		"	20.0		110	80-120			

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK41206 - Filtration Preparation

Blank (EK41206-BLK1)

Prepared & Analyzed: 11/11/04

Total Dissolved Solids	ND	5.00	mg/L							
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Duplicate (EK41206-DUP1)

Source: 4K11004-01

Prepared & Analyzed: 11/11/04

Total Dissolved Solids	2000	5.00	mg/L		1910			4.60	20	
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Batch EK41809 - General Preparation (WetChem)

Blank (EK41809-BLK1)

Prepared & Analyzed: 11/17/04

Chloride	ND	5.00	mg/L							
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Matrix Spike (EK41809-MS1)

Source: 4K11004-01

Prepared & Analyzed: 11/17/04

Chloride	1220	5.00	mg/L	500	727	98.6	80-120			
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Matrix Spike Dup (EK41809-MSD1)

Source: 4K11004-01

Prepared & Analyzed: 11/17/04

Chloride	1230	5.00	mg/L	500	727	101	80-120	0.816	20	
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Reference (EK41809-SRM1)

Prepared & Analyzed: 11/17/04

Chloride	4960		mg/L	5000		99.2	80-120			
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Batch EK41814 - General Preparation (WetChem)

Blank (EK41814-BLK1)

Prepared & Analyzed: 11/11/04

Carbonate Alkalinity	ND	0.100	mg/L							
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Bicarbonate Alkalinity	ND	2.00	"							
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Hydroxide Alkalinity	ND	0.100	"							
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK41814 - General Preparation (WetChem)

Duplicate (EK41814-DUP1)

Source: 4K11004-01

Prepared & Analyzed: 11/11/04

Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	161	2.00	"		160			0.623	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EK41814-SRM1)

Prepared & Analyzed: 11/11/04

Carbonate Alkalinity	0.0500		mg/L	0.0500		100	80-120			
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Batch EK41904 - General Preparation (WetChem)

Blank (EK41904-BLK1)

Prepared & Analyzed: 11/11/04

Sulfate	ND	0.500	mg/L							
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Calibration Check (EK41904-CCV1)

Prepared & Analyzed: 11/11/04

Sulfate	49.3		mg/L	50.0		98.6	80-120			
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Duplicate (EK41904-DUP1)

Source: 4K11004-01

Prepared & Analyzed: 11/11/04

Sulfate	241	2.50	mg/L		238			1.25	20	
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK42201 - 6010B/No Digestion

Blank (EK42201-BLK1)

Prepared: 11/15/04 Analyzed: 11/19/04

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

Blank (EK42201-BLK2)

Prepared: 11/15/04 Analyzed: 11/19/04

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

Calibration Check (EK42201-CCV1)

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.88		"	2.00		94.0	85-115			

Calibration Check (EK42201-CCV2)

Prepared: 11/15/04 Analyzed: 11/22/04

Calcium	1.83		mg/L	2.00		91.5	85-115			
Magnesium	1.96		"	2.00		98.0	85-115			
Potassium	1.78		"	2.00		89.0	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EK42201-DUP1)

Source: 4K11013-01RE1

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	34.6	0.100	mg/L		ND				20	
Magnesium	25.6	0.0100	"		ND				20	
Potassium	4.08	0.500	"		ND				20	
Sodium	77.4	1.00	"		ND				20	

Environmental Lab of Texas

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Page 9 of 11

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK42201 - 6010B/No Digestion

Duplicate (EK42201-DUP2)

Source: 4K11004-01

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	180	1.00	mg/L		179			0.557	20	
Magnesium	48.9	0.0100	"		47.2			3.54	20	
Potassium	11.7	0.500	"		9.88			16.9	20	
Sodium	283	1.00	"		268			5.44	20	

Environmental Lab of Texas

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Page 10 of 11

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

Notes and Definitions

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

Report Approved By:

Raland K Tuttle

Date:

11/22/2004

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

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 11 of 11

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

Client: Price Operating Co.

Date/Time: 11-11-04 @ 1200

Order #: 4K11005

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	-2.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Custody Seals intact on shipping container/cooler?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not present	
Custody Seals intact on sample bottles?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> 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		
Preservations 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		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

Other observations:

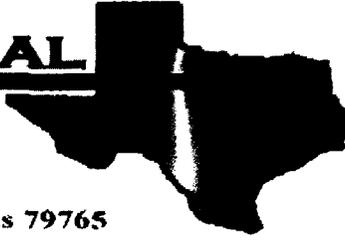
Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME System M-5 SWD Site

Project Number: None Given

Location: T2OS, R36E, Sec 5, Unit Letter M

Lab Order Number: 5B09007

Report Date: 02/20/05

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
02/20/05 14:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M5-1	5B09007-01	Water	02/08/05 09:40	02/09/05 07:00

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (SB09007-01) Water									
Benzene	ND	0.00100	mg/L	1	EB51807	02/14/05	02/15/05	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>		<i>110 %</i>	<i>80-120</i>						
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>95.5 %</i>	<i>80-120</i>						

Environmental Lab of Texas

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Page 2 of 10

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (5B09007-01) Water									
Total Alkalinity	238	2.00	mg/L	1	EB51404	02/15/05	02/15/05	EPA 310.2M	
Chloride	6710	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	
Total Dissolved Solids	13200	5.00	"	1	EB51004	02/09/05	02/10/05	EPA 160.1	
Sulfate	1450	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME System M-5 SWD Site Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 02/20/05 14:23
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**Total Metals by EPA / Standard Methods
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M5-1 (5B09007-01) Water									
Calcium	1800	10.0	mg/L	1000	EB51702	02/14/05	02/16/05	EPA 6010B	
Magnesium	431	0.100	"	100	"	"	"	"	
Potassium	40.4	0.500	"	10	"	"	"	"	
Sodium	2420	10.0	"	1000	"	"	"	"	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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 EB51807 - EPA 5030C (GC)

Blank (EB51807-BLK1)

Prepared & Analyzed: 02/14/05

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	16.5		ug/l	20.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	17.4		"	20.0		87.0	80-120			

LCS (EB51807-BS1)

Prepared & Analyzed: 02/14/05

Benzene	105		ug/l	100		105	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	95.9		"	100		95.9	80-120			
Xylene (p/m)	196		"	200		98.0	80-120			
Xylene (o)	95.7		"	100		95.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	16.5		"	20.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	16.8		"	20.0		84.0	80-120			

LCS Dup (EB51807-BSD1)

Prepared & Analyzed: 02/14/05

Benzene	113		ug/l	100		113	80-120	7.34	20	
Toluene	112		"	100		112	80-120	6.45	20	
Ethylbenzene	107		"	100		107	80-120	10.9	20	
Xylene (p/m)	224		"	200		112	80-120	13.3	20	
Xylene (o)	111		"	100		111	80-120	14.8	20	
Surrogate: a,a,a-Trifluorotoluene	18.6		"	20.0		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	20.2		"	20.0		101	80-120			

Calibration Check (EB51807-CCV1)

Prepared: 02/14/05 Analyzed: 02/16/05

Benzene	97.5		ug/l	100		97.5	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	93.1		"	100		93.1	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	97.9		"	100		97.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	16.7		"	20.0		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	17.8		"	20.0		89.0	80-120			

Environmental Lab of Texas

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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 EB51807 - EPA 5030C (GC)

Matrix Spike (EB51807-MS1)

Source: 5B09008-01

Prepared: 02/14/05 Analyzed: 02/18/05

Benzene	93.3		ug/l	100	ND	93.3	80-120			
Toluene	101		"	100	ND	101	80-120			
Ethylbenzene	102		"	100	ND	102	80-120			
Xylene (p/m)	206		"	200	ND	103	80-120			
Xylene (o)	97.3		"	100	ND	97.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	23.3		"	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	20.4		"	20.0		102	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.

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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 EB51004 - General Preparation (WetChem)										
Blank (EB51004-BLK1) Prepared: 02/09/05 Analyzed: 02/10/05										
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EB51004-DUP1) Source: 5B09003-01 Prepared: 02/09/05 Analyzed: 02/10/05										
Total Dissolved Solids	16200	5.00	mg/L		14600			10.4	20	
Batch EB51404 - General Preparation (WetChem)										
Blank (EB51404-BLK1) Prepared & Analyzed: 02/15/05										
Total Alkalinity	ND	2.00	mg/L							
Duplicate (EB51404-DUP1) Source: 5B09003-01 Prepared & Analyzed: 02/15/05										
Total Alkalinity	395	2.00	mg/L		396			0.253	20	
Reference (EB51404-SRM1) Prepared & Analyzed: 02/15/05										
Carbonate Alkalinity	0.0510		mg/L	0.0500		102	80-120			
Batch EB51713 - General Preparation (WetChem)										
Blank (EB51713-BLK1) Prepared & Analyzed: 02/10/05										
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EB51713-BS1) Prepared & Analyzed: 02/10/05										
Sulfate	9.66		mg/L	10.0		96.6	80-120			
Chloride	9.56		"	10.0		95.6	80-120			

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME System M-5 SWD Site Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 02/20/05 14:23
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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 EB51713 - General Preparation (WetChem)

LCS Dup (EB51713-BSD1)										
Prepared & Analyzed: 02/10/05										
Sulfate	9.64		mg/L	10.0		96.4	80-120	0.207	20	
Chloride	9.51		"	10.0		95.1	80-120	0.524	20	

Calibration Check (EB51713-CCV1)										
Prepared & Analyzed: 02/10/05										
Chloride	9.73		mg/L	10.0		97.3	80-120			
Sulfate	9.88		"	10.0		98.8	80-120			

Duplicate (EB51713-DUP1)										
Source: 5B09004-01 Prepared & Analyzed: 02/10/05										
Chloride	304	10.0	mg/L		304			0.00	20	
Sulfate	357	10.0	"		356			0.281	20	

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

Project: EME System M-5 SWD Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 02/20/05 14:23

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 EB51702 - 6010B/No Digestion

Blank (EB51702-BLK1)

Prepared: 02/14/05 Analyzed: 02/16/05

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

Calibration Check (EB51702-CCV1)

Prepared: 02/14/05 Analyzed: 02/16/05

Calcium	2.22		mg/L	2.00		111	85-115			
Magnesium	2.08		"	2.00		104	85-115			
Potassium	1.75		"	2.00		87.5	85-115			
Sodium	1.94		"	2.00		97.0	85-115			

Duplicate (EB51702-DUP1)

Source: SB09003-01

Prepared: 02/14/05 Analyzed: 02/16/05

Calcium	905	1.00	mg/L		848			6.50	20	
Magnesium	254	0.100	"		239			6.09	20	
Potassium	88.3	2.50	"		90.7			2.68	20	
Sodium	5810	10.0	"		4840			18.2	20	

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

Project: EME System M-5 SWD Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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:

2/20/2005

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

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

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

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

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

Client: Rice Operating Co.

Date/Time: 02-09-05 @ 0700

Order #: 5309007

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	-1.0 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 type="checkbox"/> Yes	<input type="checkbox"/> No	Not present
Chain of custody present?	<input type="checkbox"/> Yes	<input checked="" 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	
Preservations 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	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

→ on Black Bay
→ not in dropbox
Client dropping later

Other observations:

Variance Documentation:

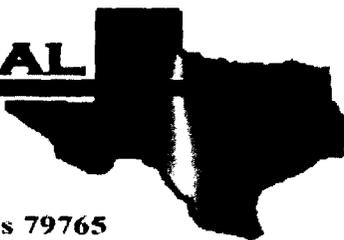
Contact Person: - Gil Van Duventer Date/Time: 02-09-05 @ 0800 Contacted by: Jeanne McMurry
Regarding:

missing CDC

Corrective Action Taken:

Client will bring CDC by later this morning

E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME System P-6 Line Leak Site

Project Number: None Given

Location: T2OS, R36E, Sec 6, Unit Letter P

Lab Order Number: 5B09008

Report Date: 02/20/05

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
02/20/05 14:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P6-1	5B09008-01	Water	02/07/05 16:45	02/09/05 07:00
P6-2	5B09008-02	Water	02/07/05 15:36	02/09/05 07:00

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (5B09008-01) Water									
Benzene	ND	0.00100	mg/L	1	EB51807	02/14/05	02/15/05	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>		<i>108 %</i>	<i>80-120</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>116 %</i>	<i>80-120</i>		"	"	"	"	
P6-2 (5B09008-02) Water									
Benzene	ND	0.00100	mg/L	1	EB51807	02/14/05	02/15/05	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>		<i>100 %</i>	<i>80-120</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>116 %</i>	<i>80-120</i>		"	"	"	"	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
02/20/05 14:23

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (SB09008-01) Water									
Total Alkalinity	218	2.00	mg/L	1	EB51404	02/15/05	02/15/05	EPA 310.2M	
Chloride	8210	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	
Total Dissolved Solids	17800	5.00	"	1	EB51004	02/09/05	02/10/05	EPA 160.1	
Sulfate	1870	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	
P6-2 (SB09008-02) Water									
Total Alkalinity	222	2.00	mg/L	1	EB51404	02/15/05	02/15/05	EPA 310.2M	
Chloride	7030	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	
Total Dissolved Solids	15300	5.00	"	1	EB51004	02/09/05	02/10/05	EPA 160.1	
Sulfate	1860	500	"	1000	EB51713	02/10/05	02/10/05	EPA 300.0	

Environmental Lab of Texas

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Page 3 of 10

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (5B09008-01) Water									
Calcium	1790	10.0	mg/L	1000	EB51702	02/14/05	02/16/05	EPA 6010B	
Magnesium	576	0.200	"	200	"	"	"	"	
Potassium	56.3	1.00	"	20	"	"	"	"	
Sodium	3960	10.0	"	1000	"	"	"	"	
P6-2 (5B09008-02) Water									
Calcium	1580	10.0	mg/L	1000	EB51702	02/14/05	02/16/05	EPA 6010B	
Magnesium	515	0.200	"	200	"	"	"	"	
Potassium	47.1	1.00	"	20	"	"	"	"	
Sodium	3550	10.0	"	1000	"	"	"	"	

Environmental Lab of Texas

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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 EB51807 - EPA 5030C (GC)

Blank (EB51807-BLK1)

Prepared & Analyzed: 02/14/05

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	16.5		ug/l	20.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	17.4		"	20.0		87.0	80-120			

LCS (EB51807-BS1)

Prepared & Analyzed: 02/14/05

Benzene	105		ug/l	100		105	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	95.9		"	100		95.9	80-120			
Xylene (p/m)	196		"	200		98.0	80-120			
Xylene (o)	95.7		"	100		95.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	16.5		"	20.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	16.8		"	20.0		84.0	80-120			

LCS Dup (EB51807-BSD1)

Prepared & Analyzed: 02/14/05

Benzene	113		ug/l	100		113	80-120	7.34	20	
Toluene	112		"	100		112	80-120	6.45	20	
Ethylbenzene	107		"	100		107	80-120	10.9	20	
Xylene (p/m)	224		"	200		112	80-120	13.3	20	
Xylene (o)	111		"	100		111	80-120	14.8	20	
Surrogate: a,a,a-Trifluorotoluene	18.6		"	20.0		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	20.2		"	20.0		101	80-120			

Calibration Check (EB51807-CCV1)

Prepared: 02/14/05 Analyzed: 02/16/05

Benzene	97.5		ug/l	100		97.5	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	93.1		"	100		93.1	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	97.9		"	100		97.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	16.7		"	20.0		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	17.8		"	20.0		89.0	80-120			

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME System P-6 Line Leak Site Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 02/20/05 14:23
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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 EB51807 - EPA 5030C (GC)

Matrix Spike (EB51807-MS1)

Source: 5B09008-01

Prepared: 02/14/05 Analyzed: 02/18/05

Benzene	93.3		ug/l	100	ND	93.3	80-120			
Toluene	101		"	100	ND	101	80-120			
Ethylbenzene	102		"	100	ND	102	80-120			
Xylene (p/m)	206		"	200	ND	103	80-120			
Xylene (o)	97.3		"	100	ND	97.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	23.3		"	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	20.4		"	20.0		102	80-120			

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
02/20/05 14:23

**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 EB51004 - General Preparation (WetChem)

Blank (EB51004-BLK1) Prepared: 02/09/05 Analyzed: 02/10/05

Total Dissolved Solids	ND	5.00	mg/L							
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Duplicate (EB51004-DUP1) Source: 5B09003-01 Prepared: 02/09/05 Analyzed: 02/10/05

Total Dissolved Solids	16200	5.00	mg/L		14600			10.4	20	
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Batch EB51404 - General Preparation (WetChem)

Blank (EB51404-BLK1) Prepared & Analyzed: 02/15/05

Total Alkalinity	ND	2.00	mg/L							
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Duplicate (EB51404-DUP1) Source: 5B09003-01 Prepared & Analyzed: 02/15/05

Total Alkalinity	395	2.00	mg/L		396			0.253	20	
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Reference (EB51404-SRM1) Prepared & Analyzed: 02/15/05

Carbonate Alkalinity	0.0510		mg/L	0.0500		102	80-120			
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Batch EB51713 - General Preparation (WetChem)

Blank (EB51713-BLK1) Prepared & Analyzed: 02/10/05

Sulfate	ND	0.500	mg/L							
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Chloride	ND	0.500	"							
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LCS (EB51713-BS1) Prepared & Analyzed: 02/10/05

Sulfate	9.66		mg/L	10.0		96.6	80-120			
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Chloride	9.56		"	10.0		95.6	80-120			
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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 EB51713 - General Preparation (WetChem)

LCS Dup (EB51713-BSD1)

Prepared & Analyzed: 02/10/05

Sulfate	9.64		mg/L	10.0		96.4	80-120	0.207	20	
Chloride	9.51		"	10.0		95.1	80-120	0.524	20	

Calibration Check (EB51713-CCV1)

Prepared & Analyzed: 02/10/05

Chloride	9.73		mg/L	10.0		97.3	80-120			
Sulfate	9.88		"	10.0		98.8	80-120			

Duplicate (EB51713-DUP1)

Source: 5B09004-01

Prepared & Analyzed: 02/10/05

Chloride	304	10.0	mg/L		304			0.00	20	
Sulfate	357	10.0	"		356			0.281	20	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
02/20/05 14:23

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 EB51702 - 6010B/No Digestion

Blank (EB51702-BLK1)

Prepared: 02/14/05 Analyzed: 02/16/05

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

Calibration Check (EB51702-CCV1)

Prepared: 02/14/05 Analyzed: 02/16/05

Calcium	2.22		mg/L	2.00		111	85-115			
Magnesium	2.08		"	2.00		104	85-115			
Potassium	1.75		"	2.00		87.5	85-115			
Sodium	1.94		"	2.00		97.0	85-115			

Duplicate (EB51702-DUP1)

Source: SB09003-01

Prepared: 02/14/05 Analyzed: 02/16/05

Calcium	905	1.00	mg/L		848			6.50	20	
Magnesium	254	0.100	"		239			6.09	20	
Potassium	88.3	2.50	"		90.7			2.68	20	
Sodium	5810	10.0	"		4840			18.2	20	

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

Project: EME System P-6 Line Leak Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
02/20/05 14:23

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: 2/20/2005

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

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

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

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

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

Client: Rice Operating Co.

Date/Time: 02-09-05 @ 0700

Order #: SB09008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	-1.0 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 checked="" 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	
Preservations 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	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

→ on Black Box
→ not in dropbox
Client dropped by later

Other observations:

Variance Documentation:

Contact Person: Gil VanDeventer Date/Time: 02-09-05 @ 0800 Contacted by: Jeanne McManus
Regarding:

missing COC

Corrective Action Taken:

Client will bring COC by later this morning

