

AP - 47

ANNUAL MONITORING REPORT

YEAR(S):
2003

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240
Phone: (505)393-9174 • Fax: (505) 397-1771

RECEIVED

MAR 12 2004

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

CERTIFIED MAIL

RETURN RECEIPT NO. 7002 2410 0000 4940 1251

March 10, 2004

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

1R0426 - 14

a - 33 ?

RE: 2003 MONITOR WELL REPORT/SAMPLING SUMMARY
BD SWD SYSTEM
LEA COUNTY, NEW MEXICO

Mr. Olson:

Rice Operating Company (ROC) takes this opportunity to submit the 2003 Monitor Well Report for the Blinebry-Drinkard (BD) Salt Water Disposal System. Listed below are 2 sites in this system that have monitor wells that are sampled quarterly pursuant to NMOCD guidelines. Groundwater impact became apparent at these sites during the remediation process of the Junction Box Upgrade Plan.

Site Name	Unit Letter	Section	Township/Range
F-17 jct.	F	17	T21S/R37E
I-27	I	27	T22S/R37E

In 2003, ROC conducted the sampling of these wells and will continue in 2004. As in 2003, either Environmental Lab of Texas of Odessa, Texas, or Cardinal Laboratories of Hobbs will conduct analytical tests of the water samples of 2004.

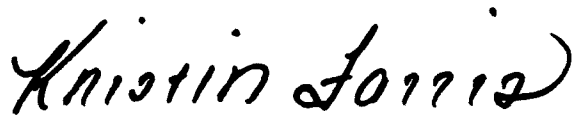
ROC will continue to address the groundwater concerns at these sites in 2004 as they are prioritized. A consultant/groundwater specialist will be contracted by ROC to generate work plans for remediation of the vadose zone at groundwater-impacted sites and to address the groundwater concerns. NMOCD can anticipate more work plan submissions for such sites in 2004. After NMOCD approval, AFE's will be submitted to System Partners for approval. Sites with confirmed groundwater impact will also be evaluated for the extent of groundwater impact. Past BD sites with high priority that are currently a major project and addressed under an

NMOCD-approved work plan like jct. J-26 and O-12 (Zachary Hinton), are not on this list and are reported separately.

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

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

RICE OPERATING COMAPANY

A handwritten signature in black ink that reads "Kristin Farris". The signature is written in a cursive, flowing style.

Kristin Farris
Project Scientist

Enclosures: Summary table & graph for each site
 Analytical results

cc: LBG, CDH, file, Chris Williams
 NMOCD, District I Office
 1625 N. French Drive
 Hobbs, NM 88240

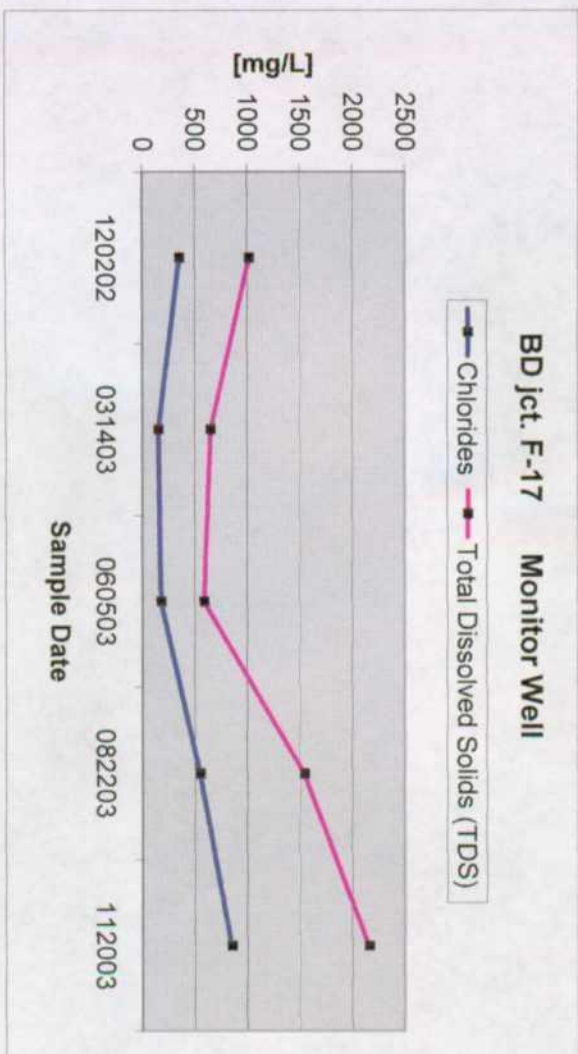
BD jct. F-17
F, 17, 21S, 37E

Rice Operating Co. Monitor Well Data Sheet

All parameter concentrations are in mg/L.

MW #	WATER LEVEL		TOTAL DEPTH		WELL VOLUME		VOLUME BAILED		SAMPLE DATE	TIME	CL	TDS	BENZENE	TOLUENE	ETHYL BENZENE		TOTAL XYLENES
	LEVEL	(ft)	DEPTH	(ft)	VOLUME	(gal)	VOLUME	(gal)									
1	75.73		87.12		1.822		5.50		120202	1045	354	1020	<0.001	<0.001	<0.001	<0.001	<0.001
1	75.67		85.39		1.550		4.60		031403	1400	151	653	<0.001	<0.001	<0.001	<0.001	<0.001
1	75.67		85.20		1.524		4.50		060503	1400	177	589	0.004	<0.001	<0.001	<0.001	<0.001
1	75.73		85.12		1.500		4.50		082203	1000	549	1540	<0.001	<0.001	<0.001	<0.001	<0.001
1	75.75		84.85		1.456		4.30		112003	1100	851	2160	<0.001	<0.001	<0.001	<0.001	<0.001

sandy



* Depth to water is measured from the top of the casing
Casing is 3.104 ft

ANALYTICAL REPORT

Prepared for:

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

Project: BD F-17
PO#: 505
Order#: G0305983
Report Date: 03/21/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0305983
Project:
Project Name: BD F-17
Location: BD F-17

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0305983-01	MW-1	WATER	3/14/03	3/14/03 19:30	See COC	See COC
<u>Lab Testing:</u>		Rejected: No	Temp:	2.0C		
8021B/5030 BTEX						
Anions						
Cations						
Total Dissolved Solids (TDS)						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305983
Project:
Project Name: BD F-17
Location: BD F-17

Lab ID: 0305983-01
Sample ID: MW-1

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0005010-02		3/20/03 15:26	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	86%	80	120

Approval: Raland K. Tuttle 3-25-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305983
Project:
Project Name: BD F-17
Location: BD F-17

Lab ID: 0305983-01

Sample ID: MW-1

Anions

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Bicarbonate Alkalinity	182	mg/L	1	2.00	310.1	3/17/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	3/17/03	SB
Chloride	151	mg/L	1	5.00	9253	3/17/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	3/17/03	SB
SULFATE, 375.4	98.4	mg/L	2	1.0	375.4	3/17/03	SB

Cations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Calcium	51.0	mg/L	10	0.10	6010B	3/19/03	SM
Magnesium	23.5	mg/L	10	0.010	6010B	3/19/03	SM
Potassium	9.19	mg/L	1	0.050	6010B	3/19/03	SM
Sodium	98.0	mg/L	100	1.0	6010B	3/19/03	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Total Dissolved Solids (TDS)	653	mg/L	1	5.0	160.1	3/17/03	TAL

Approval:

Raland K. Tuttle 3-25-03

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

RL = Reporting Limit

N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305983

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005010-02			<0.001		
Toluene-mg/L		0005010-02			<0.001		
Ethylbenzene-mg/L		0005010-02			<0.001		
p/m-Xylene-mg/L		0005010-02			<0.001		
o-Xylene-mg/L		0005010-02			<0.001		
CONTROL		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005010-03		0.1	0.109	109.%	
Toluene-mg/L		0005010-03		0.1	0.115	115.%	
Ethylbenzene-mg/L		0005010-03		0.1	0.112	112.%	
p/m-Xylene-mg/L		0005010-03		0.2	0.231	115.5%	
o-Xylene-mg/L		0005010-03		0.1	0.111	111.%	
CONTROL DUP		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005010-04		0.1	0.113	113.%	3.6%
Toluene-mg/L		0005010-04		0.1	0.115	115.%	0.%
Ethylbenzene-mg/L		0005010-04		0.1	0.115	115.%	2.6%
p/m-Xylene-mg/L		0005010-04		0.2	0.227	113.5%	1.7%
o-Xylene-mg/L		0005010-04		0.1	0.113	113.%	1.8%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005010-05		0.1	0.107	107.%	
Toluene-mg/L		0005010-05		0.1	0.112	112.%	
Ethylbenzene-mg/L		0005010-05		0.1	0.109	109.%	
p/m-Xylene-mg/L		0005010-05		0.2	0.224	112.%	
o-Xylene-mg/L		0005010-05		0.1	0.104	104.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0305983

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0004955-01			2.00		
Carbonate Alkalinity-mg/L		0004957-01			<0.10		
Chloride-mg/L		0004953-01			<5.00		
Hydroxide Alkalinity-mg/L		0004959-01			<0.10		
SULFATE, 375.4-mg/L		0004961-01			<0.50		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0305981-01	226		225		0.4%
Carbonate Alkalinity-mg/L		0305981-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0305981-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0305966-02	319		311		2.5%
MS	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0305981-01	53.2	100	152	98.8%	
MSD	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0305981-01	53.2	100	151	97.8%	0.7%
SRM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0004955-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0004957-04		0.05	0.0496	99.2%	
Chloride-mg/L		0004953-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0004959-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0004961-04		50	52	104.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0305983

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0004974-02			<0.010		
Magnesium-mg/L		0004974-02			<0.001		
Potassium-mg/L		0004974-02			<0.050		
Sodium-mg/L		0004974-02			<0.010		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0305966-01	12.8		13.0		1.6%
Magnesium-mg/L		0305966-01	2.5		2.57		2.8%
Potassium-mg/L		0305966-01	5.38		5.44		1.1%
Sodium-mg/L		0305966-01	360		365		1.4%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0004974-05		2	2.19	109.5%	
Magnesium-mg/L		0004974-05		2	2.06	103.%	
Potassium-mg/L		0004974-05		2	1.87	93.5%	
Sodium-mg/L		0004974-05		2	1.96	98.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305983

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0004969-01			<5.0		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0305984-01	2310		2330		0.9%

ANALYTICAL REPORT

Prepared for:

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

Project: Jct F-17
PO#: 505
Order#: G0306668
Report Date: 06/11/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0306668
Project:
Project Name: Jct F-17
Location: B.D.

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306668-01	MW1	WATER	6/5/03 14:00	6/5/03 19:50	See COC	See COC
<u>Lab Testing:</u>		Rejected: No	Temp:	4.0 C		
8021B/5030 BTEX						
Anions						
Cations						
Total Dissolved Solids (TDS)						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306668
Project:
Project Name: Jct F-17
Location: B.D.

Lab ID: 0306668-01
Sample ID: MW1

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0005801-02		6/11/03 9:02	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.004	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	102%	80	120
Bromofluorobenzene	89%	80	120

Approval:

Celestine Keene 06/12/03
Raland K. Tuttle, Lab Director, QA Officer
Celestine D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306668
Project:
Project Name: Jct F-17
Location: B.D.

Lab ID: 0306668-01

Sample ID: MW1

Anions

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Bicarbonate Alkalinity	180	mg/L	2	4.0	310.1	6/6/03	SB
Carbonate Alkalinity	< 0.20	mg/L	2	0.20	310.1	6/6/03	SB
Chloride	177	mg/L	1	5.00	9253	6/6/03	SB
Hydroxide Alkalinity	< 0.20	mg/L	2	0.20	310.1	6/6/03	SB
SULFATE, 375.4	97.6	mg/L	2	1.0	375.4	6/6/03	SB

Cations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Calcium	70.8	mg/L	10	0.10	6010B	6/6/03	SM
Magnesium	31.4	mg/L	10	0.010	6010B	6/6/03	SM
Potassium	5.33	mg/L	10	0.50	6010B	6/6/03	SM
Sodium	98.0	mg/L	10	0.10	6010B	6/6/03	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Total Dissolved Solids (TDS)	589	mg/L	1	5.0	160.1	6/9/03	SB

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

Date

RL = Reporting Limit

N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306668

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005801-02			<0.001		
Toluene-mg/L		0005801-02			<0.001		
Ethylbenzene-mg/L		0005801-02			<0.001		
p/m-Xylene-mg/L		0005801-02			<0.001		
o-Xylene-mg/L		0005801-02			<0.001		
CONTROL							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005801-03		0.1	0.101	101.%	
Toluene-mg/L		0005801-03		0.1	0.104	104.%	
Ethylbenzene-mg/L		0005801-03		0.1	0.111	111.%	
p/m-Xylene-mg/L		0005801-03		0.2	0.238	119.%	
o-Xylene-mg/L		0005801-03		0.1	0.112	112.%	
CONTROL DUP							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005801-04		0.1	0.101	101.%	0.%
Toluene-mg/L		0005801-04		0.1	0.093	93.%	11.2%
Ethylbenzene-mg/L		0005801-04		0.1	0.095	95.%	15.5%
p/m-Xylene-mg/L		0005801-04		0.2	0.202	101.%	16.4%
o-Xylene-mg/L		0005801-04		0.1	0.095	95.%	16.4%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005801-05		0.1	0.095	95.%	
Toluene-mg/L		0005801-05		0.1	0.095	95.%	
Ethylbenzene-mg/L		0005801-05		0.1	0.098	98.%	
p/m-Xylene-mg/L		0005801-05		0.2	0.206	103.%	
o-Xylene-mg/L		0005801-05		0.1	0.098	98.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0306668

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0005759-01			<2.00		
Carbonate Alkalinity-mg/L		0005760-01			<0.10		
Chloride-mg/L		0005758-01			<5.00		
Hydroxide Alkalinity-mg/L		0005761-01			<0.10		
SULFATE, 375.4-mg/L		0005762-01			<0.5		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0306663-01	494		492		0.4%
Carbonate Alkalinity-mg/L		0306663-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0306663-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0306663-01	20.5		19.5		5.0%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0306663-01	2300	2500	4786	99.4%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0306663-01	2300	2500	4830	101.2%	0.9%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0005759-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0005760-04		0.05	0.0496	99.2%	
Chloride-mg/L		0005758-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0005761-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0005762-04		50	51.8	103.6%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0306668

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0005755-02			<0.010	
Magnesium-mg/L		0005755-02			<0.001	
Potassium-mg/L		0005755-02			<0.050	
Sodium-mg/L		0005755-02			<0.010	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0306666-01	54.5		53.7	1.5%
Magnesium-mg/L		0306666-01	16.5		16.1	2.5%
Potassium-mg/L		0306666-01	37.6		37.6	0.0%
Sodium-mg/L		0306666-01	1080		1090	0.9%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0005755-05		2	2.00	100.0%
Magnesium-mg/L		0005755-05		2	2.12	106.0%
Potassium-mg/L		0005755-05		2	1.80	90.0%
Sodium-mg/L		0005755-05		2	1.92	96.0%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306668

BLANK						
WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L	0005772-01			<5.0		
DUPLICATE						
WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L	0306663-01	4184		4312		3.0%

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris

Project Name: Jct F-17

Company Name RICE Operating

Project #:

Company Address: 122 W. Taylor

Project Loc: BD

City/State/Zip: Fla 665, NM 88240

PO #: 505

Telephone No. (505) 393-9174

Fax No: (505) 397-1471

Sample Signature: Israel Juarez

Sample Information		Received by:		Relinquished by:	
Sample Number	Date	Date	Time	Date	Time
0306668	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306669	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306670	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306671	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306672	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306673	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306674	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306675	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306676	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306677	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306678	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306679	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306680	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306681	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306682	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306683	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306684	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306685	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306686	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306687	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306688	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306689	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306690	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306691	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306692	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306693	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306694	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306695	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306696	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306697	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306698	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306699	6/5/03	6/5/03	17:50	Israel Juary	17:50
0306700	6/5/03	6/5/03	17:50	Israel Juary	17:50

ANALYTICAL REPORT

Prepared for:

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

Project: F-17

PO#:

Order#: G0307308

Report Date: 08/27/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0307308
Project:
Project Name: F-17
Location: BD

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0307308-01	MW1	WATER	8/22/03 10:00	8/25/03 9:03	See COC	See COC
<u>Lab Testing:</u>		Rejected: No	Temp: 4.5 C			
8021B/5030 BTEX						
Anions						
Cations						
Total Dissolved Solids (TDS)						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307308
Project:
Project Name: F-17
Location: BD

Lab ID: 0307308-01
Sample ID: MW1

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0006638-02		8/25/03	1	1	JMM	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	118%	80	120
Bromofluorobenzene	109%	80	120

Approval:

Celey D. Keene
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Org. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

08/27/03
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307308
Project:
Project Name: F-17
Location: BD

Lab ID: 0307308-01

Sample ID: MW1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	182	mg/L	2	4.0	310.1	8/25/03	SB
Carbonate Alkalinity	< 0.20	mg/L	2	0.20	310.1	8/25/03	SB
Chloride	549	mg/L	1	5.00	9253	8/27/03	SB
Hydroxide Alkalinity	< 0.20	mg/L	2	0.20	310.1	8/25/03	SB
SULFATE, 375.4	112	mg/L	2	1.0	375.4	8/26/03	SB

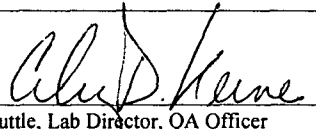
Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	114	mg/L	100	1.0	6010B	8/26/03	SM
Magnesium	49.7	mg/L	10	0.010	6010B	8/26/03	SM
Potassium	27.5	mg/L	10	0.50	6010B	8/26/03	SM
Sodium	450	mg/L	100	1.0	6010B	8/26/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	1540	mg/L	1	5.0	160.1	8/25/03	TAL

Approval:


Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307308

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0006638-02			<0.001	
Toluene-mg/L		0006638-02			<0.001	
Ethylbenzene-mg/L		0006638-02			<0.001	
p/m-Xylene-mg/L		0006638-02			<0.001	
o-Xylene-mg/L		0006638-02			<0.001	
CONTROL						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0006638-03		0.1	0.111	111.%
Toluene-mg/L		0006638-03		0.1	0.114	114.%
Ethylbenzene-mg/L		0006638-03		0.1	0.105	105.%
p/m-Xylene-mg/L		0006638-03		0.2	0.222	111.%
o-Xylene-mg/L		0006638-03		0.1	0.100	100.%
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0307295-06	0		<0.001	0.%
Toluene-mg/L		0307295-06	0		<0.001	0.%
Ethylbenzene-mg/L		0307295-06	0		<0.001	0.%
p/m-Xylene-mg/L		0307295-06	0		<0.001	0.%
o-Xylene-mg/L		0307295-06	0		<0.001	0.%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0006638-05		0.1	0.109	109.%
Toluene-mg/L		0006638-05		0.1	0.114	114.%
Ethylbenzene-mg/L		0006638-05		0.1	0.104	104.%
p/m-Xylene-mg/L		0006638-05		0.2	0.227	113.5%
o-Xylene-mg/L		0006638-05		0.1	0.104	104.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0307308

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Bicarbonate Alkalinity-mg/L		0006617-01			<2.00	
Carbonate Alkalinity-mg/L		0006618-01			<0.10	
Chloride-mg/L		0006640-01			<5.00	
Hydroxide Alkalinity-mg/L		0006619-01			<0.10	
SULFATE, 375.4-mg/L		0006634-01			<0.50	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Bicarbonate Alkalinity-mg/L		0307300-01	500		502	0.4%
Carbonate Alkalinity-mg/L		0307300-01	0		< 0.20	0.0%
Hydroxide Alkalinity-mg/L		0307300-01	0		< 0.20	0.0%
SULFATE, 375.4-mg/L		0307300-01	4.9		5.00	2.0%
MS						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Chloride-mg/L		0307300-01	2060	1000	3050	99.0%
MSD						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Chloride-mg/L		0307300-01	2060	1000	3070	101.0%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Bicarbonate Alkalinity-mg/L		0006617-04		0.05	0.0496	99.2%
Carbonate Alkalinity-mg/L		0006618-04		0.05	0.0496	99.2%
Chloride-mg/L		0006640-04		5000	4960	99.2%
Hydroxide Alkalinity-mg/L		0006619-04		0.05	0.0496	99.2%
SULFATE, 375.4-mg/L		0006634-04		50	50.7	101.4%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0307308

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Calcium-mg/L		0006632-01			<0.010	
Magnesium-mg/L		0006632-01			<0.001	
Potassium-mg/L		0006632-01			<0.050	
Sodium-mg/L		0006632-01			<0.010	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Calcium-mg/L		0307300-01	78.1		77.3	1.0%
Magnesium-mg/L		0307300-01	30.4		29.8	2.0%
Potassium-mg/L		0307300-01	5.82		4.95	16.2%
Sodium-mg/L		0307300-01	1150		1160	0.9%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Calcium-mg/L		0006632-04		2	2.05	102.5%
Magnesium-mg/L		0006632-04		2	2.04	102.0%
Potassium-mg/L		0006632-04		2	1.73	86.5%
Sodium-mg/L		0006632-04		2	1.73	86.5%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0307308

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0006633-01			<5.0		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0307303-01	2550		2830		10.4%

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Keistin Farris

f-17

RICE Operating

Project #:

133 W. Taylor

Project Loc:

Flabbs, NM 88240

PO #:

Fax No: (505) 397-1471

Sampler Signature:

J. Galt

[illegible]

Special Instructions:

Actions, Cations TDS

Relinquished by:

Date	Time
8/22/03	5:00

Received from



100

Relative Abundance (%)

Date	Time
8/25/03	0900

2000

Anderson

Two

Sample Containers: Indict?

Temperature Upon Receipt

Laboratory Comments:

77

11

34

1177.11

ANALYTICAL REPORT

Prepared for:

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

**Project: F-17
PO#: 505
Order#: G0308004
Report Date: 11/25/2003**

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0308004
Project:
Project Name: F-17
Location: BD

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0308004-01	MW-1	WATER	11/20/03 11:00	11/20/03 20:30	See COC	See COC
<u>Lab Testing:</u>		Rejected: No	Temp: 4.0 C			
8021B/5030 BTEX						
Anions						
Cations						
Total Dissolved Solids (TDS)						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0308004
Project:
Project Name: F-17
Location: BD

Lab ID: 0308004-01
Sample ID: MW-1

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0007531-02		11/22/03	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	89%	80	120

Approval:

Raland K. Tuttle 11-26-03

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0308004
Project:
Project Name: F-17
Location: BD

Lab ID: 0308004-01
Sample ID: MW-1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	204	mg/L	1	2.00	310.1	11/21/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	11/21/03	SB
Chloride	851	mg/L	1	5.00	325	11/21/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	11/21/03	SB
SULFATE, 375.4	132	mg/L	2	1.0	375.4	11/24/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	183	mg/L	100	1.0	6010B	11/21/03	SM
Magnesium	70.7	mg/L	10	0.010	6010B	11/21/03	SM
Potassium	9.01	mg/L	10	0.50	6010B	11/21/03	SM
Sodium	385	mg/L	100	1.0	6010B	11/21/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	2160	mg/L	1	5.0	160.1	11/22/03	SB

Approval: Raland K. Tuttle 11-26-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0308004

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0007531-02			<0.001	
Toluene-mg/L		0007531-02			<0.001	
Ethylbenzene-mg/L		0007531-02			<0.001	
p/m-Xylene-mg/L		0007531-02			<0.001	
o-Xylene-mg/L		0007531-02			<0.001	
CONTROL						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0007531-03		0.1	0.096	96.%
Toluene-mg/L		0007531-03		0.1	0.092	92.%
Ethylbenzene-mg/L		0007531-03		0.1	0.091	91.%
p/m-Xylene-mg/L		0007531-03		0.2	0.182	91.%
o-Xylene-mg/L		0007531-03		0.1	0.090	90.%
CONTROL DUP						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0007531-04		0.1	0.101	101.% 5.1%
Toluene-mg/L		0007531-04		0.1	0.097	97.% 5.3%
Ethylbenzene-mg/L		0007531-04		0.1	0.092	92.% 1.1%
p/m-Xylene-mg/L		0007531-04		0.2	0.183	91.5% 0.5%
o-Xylene-mg/L		0007531-04		0.1	0.087	87.% 3.4%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0007531-05		0.1	0.099	99.%
Toluene-mg/L		0007531-05		0.1	0.094	94.%
Ethylbenzene-mg/L		0007531-05		0.1	0.091	91.%
p/m-Xylene-mg/L		0007531-05		0.2	0.181	90.5%
o-Xylene-mg/L		0007531-05		0.1	0.087	87.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0308004

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0007511-01			<2.00		
Carbonate Alkalinity-mg/L		0007513-01			<0.10		
Chloride-mg/L		0007517-01			<5.00		
Hydroxide Alkalinity-mg/L		0007515-01			<0.10		
SULFATE, 375.4-mg/L		0007546-01			<0.50		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0308005-01	362		364		0.6%
Carbonate Alkalinity-mg/L		0308005-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0308005-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0307979-01	20.9		21.6		3.3%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0308000-01	1990	1000	2980	99.0%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0308000-01	1990	1000	3000	101.0%	0.7%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0007511-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0007513-04		0.05	0.0496	99.2%	
Chloride-mg/L		0007517-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0007515-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0007546-04		50	49.0	98.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0308004

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0007495-02			<0.010		
Magnesium-mg/L		0007495-02			<0.001		
Potassium-mg/L		0007495-02			<0.050		
Sodium-mg/L		0007495-02			<0.010		
DUPLICATE							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0307979-01	81		81.6		0.7%
Magnesium-mg/L		0307979-01	20.1		19.9		1.1%
Potassium-mg/L		0307979-01	7.1		7.25		2.1%
Sodium-mg/L		0307979-01	1290		1280		0.8%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0007495-05		2	1.76	88.1%	
Magnesium-mg/L		0007495-05		2	2.17	108.5%	
Potassium-mg/L		0007495-05		2	1.93	96.5%	
Sodium-mg/L		0007495-05		2	2.21	110.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0308004

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0007522-01			<5.00		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0308000-01	7400		7360		0.5%

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: F-17

Project #:

Project Loc:

PO #: 505

Fax No: (505) 397-1471

Sampler Signature:

Sample Signature:		FIELD CODE		Date Sampled	Time Sampled	No. of Containers	Preservative				Matrix				Analyze For:		Y	N								
Refined	Blank	LAB # (add use only)					HNO ₃	H ₂ O	NACl	TLC	None	Other (Specify)	Water	Silage	Soil	Other (Specify)			TPH 418.1	TPH TX 1005/1006	TPH 6015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	PTX 6021B/6030	RUSH TAT (Pre-Schedule)
0308004			4W1	11-20-03	11:00	1		X					X													
			4W1	11-20-03	11:00	2		X																		

Special Instructions:

Major Anions, Cations, TDS

Refined by: J. Smith

Blank by: CD Hargum

Received by:

11/20/03 3:18

11/20 2030

Received by ELOF: Kala & K. Lee