

AP - 64

**ANNUAL GW MONITORING
REPORT**

**DATE:
2003**

RICE Operating Company

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

AP-64
Annual GW Mon. Report
2003

CERTIFIED MAIL

RETURN RECEIPT NO. 7002 2410 0000 4940 1268

March 1, 2004

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: REQUEST FOR CASE CLOSURE
2003 MONITOR WELL REPORT/SAMPLING SUMMARY
ROC F-29 SWD FACILITY, HOBBS, NEW MEXICO
SEC. 29, T18S, R38E**

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2003 Monitor Well Report for the F-29 Salt Water Disposal Facility located on the West County Road By-Pass in Hobbs. There are 3 monitor wells at this site that are sampled quarterly pursuant to NMOCD guidelines. These groundwater impacts became evident during the removal of redwood tanks in 1999.

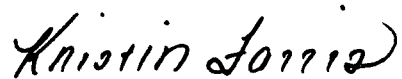
Environmental Technology Group, Inc. of Hobbs sampled the monitor wells in 2003. Cardinal Laboratories of Hobbs or Environmental Lab of Texas of Odessa analyzed water samples.

Concentrations of chloride and total dissolved solids (TDS) have been below or only slightly higher than WQCC standards at all monitor wells at the site. These concentrations are not detrimental to drinking water because there is no privately owned land surrounding the site, as Occidental Permian Corporation (OXY) owns the surrounding land. ROC petitions NMOCD for closure of this site. OXY has been informed of this proposal.

MW-4 EXCEEDS STANDARDS

Thank you for your consideration concerning this annual summary of groundwater monitoring information and closure request. 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 script is cursive and fluid, with the first name and last name clearly legible.

Kristin Farris
Project Scientist

Enclosures: Summary table & graph
 Analytical results

Cc: LBG, CDH, Roy Escobedo, file,

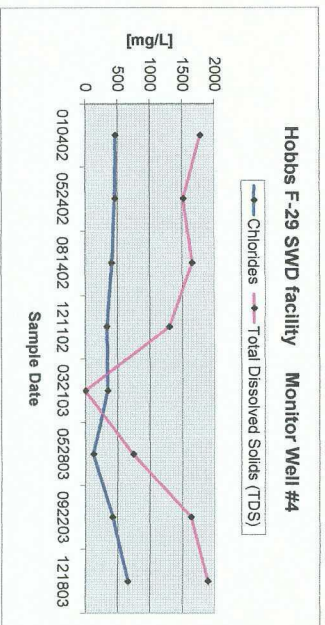
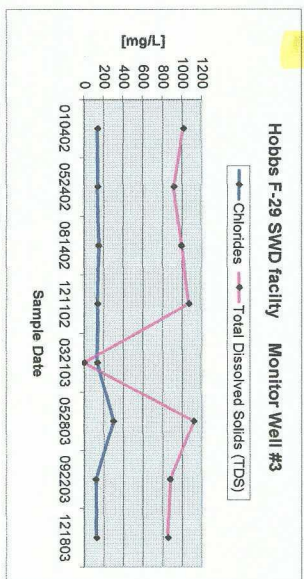
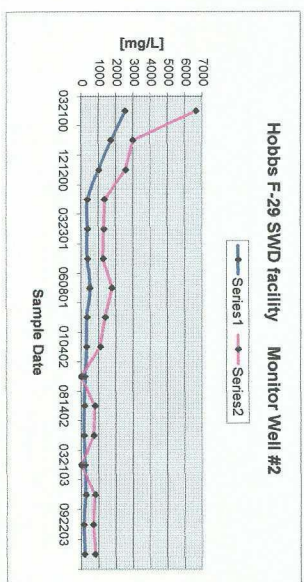
Chris Williams
NMOCD, District I Office
1625 N. French Drive
Hobbs, NM 88240

All parameter concentrations are in mg/L

MMW#	WATER LEVEL	TOTAL DEPTH	WELL VOLUME	BAILED VOLUME	SAMPLE DATE	TIME	CL-	TDS	BENZENE	TOLUENE	BENZENE	ETHYL BENZENE	TOTAL XYLENES
2	XXX	XXX	XXX	XXX	032100	XXX	2564	6660	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	092700	XXX	1748	3032	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	121200	XXX	1027	2586	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	031801	XXX	396	1373	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	032301	XXX	368	1312	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	050701	XXX	365	1272	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	080801	XXX	513	1786	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	081401	XXX	340	1385	XXX	XXX	XXX	XXX	XXX
51.16	59.15	0.205	8.800	XXX	010402	XXX	308	1114	XXX	XXX	XXX	XXX	XXX
52.07	62.80	0.650	20.50	081402	1425	1455	221	XXX	0.100	0.100	0.100	0.300	0.300
52.58	59.82	4.710	14.12	121102	0827	172	738	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
52.94	59.76	4.430	13.29	032103	1140	230	XXX	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.15	59.74	4.280	12.85	052803	0955	257	804	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.71	59.77	10.480	31.46	092203	0908	151	700	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
54.10	59.86	3.760	11.28	121803	0900	208	815	<0.002	0.003	<0.002	<0.002	0.014	0.014
3	51.24	53.60	0.362	XXX	010402	XXX	136	1013	XXX	XXX	XXX	XXX	XXX
51.75	66.10	2.136	6.50	052402	1040	137	917	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
52.12	66.33	2.274	9.00	081402	1520	151	998	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
52.64	64.65	1.920	5.76	121102	0915	136	1069	0.005	<0.002	<0.002	<0.002	<0.006	<0.006
52.98	64.47	1.830	5.51	032103	1215	133	XXX	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.70	62.58	1.420	4.26	052803	0945	301	1120	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.74	63.15	1.530	4.80	092203	0916	120	881	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
54.12	63.11	1.460	4.39	121803	0945	124	862	<0.002	<0.002	<0.002	<0.002	<0.006	<0.006
4	51.56	53.74	0.349	XXX	010402	XXX	464	1781	XXX	XXX	XXX	XXX	XXX
52.10	64.85	2.040	6.25	052402	1330	461	1520	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
52.50	66.30	2.048	8.50	081402	1350	416	1660	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.00	63.59	1.690	5.08	121102	854	336	1302	0.003	<0.002	<0.002	<0.002	<0.006	<0.006
53.41	63.31	1.580	4.75	032103	1200	346	XXX	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
53.25	63.78	1.680	5.05	052803	1005	124	742	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
54.21	62.46	1.340	4.03	092203	0925	425	1640	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
54.59	62.43	1.270	3.83	121803	0920	660	1902	<0.002	<0.002	<0.002	<0.002	<0.006	<0.006

(sandy)

(4.5" diameter, clear & sandy; lost bailer)





PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

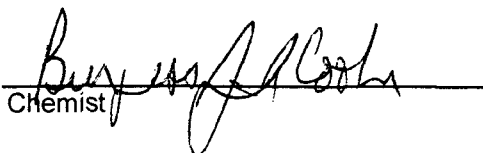
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

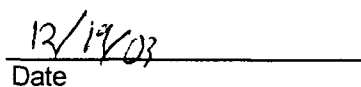
Receiving Date: 12/18/03
Reporting Date: 12/19/03
Project Number: RI-2412
Project Name: F-29 SWD
Project Location: HOBBS, NM

Sampling Date: 12/18/03
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/18/03	12/18/03	12/18/03	12/18/03
H8267-1	MW 2	<0.002	0.003	<0.002	0.014
H8267-2	MW 3	<0.002	<0.002	<0.002	<0.006
H8267-3	MW 4	<0.002	<0.002	<0.002	<0.006
Quality Control		0.099	0.100	0.099	0.302
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.1	100	98.7	101
Relative Percent Difference		3.2	3.6	3.1	2.5

METHOD: EPA SW-846 8260


Chemist


Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H8267B.XLS



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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/18/03
Reporting Date: 12/19/03
Project Number: RI-2412
Project Name: F-29 SWD
Project Location: HOBBS, NM

Sampling Date: 12/18/03
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
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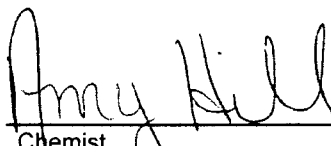
ANALYSIS DATE:	12/18/03	12/18/03	12/18/03	12/18/03	12/18/03	12/18/03	12/18/03
H8267-1 MW 2	42	142	28	1.79	1501		198
H8267-2 MW 3	219	261	40	2.41	2932		239
H8267-3 MW4	27	140	26	1.76	1363		267
Quality Control	NR	56	59	5.17	1322		NR
True Value QC	NR	50	50	5.00	1413		NR
% Recovery	NR	112	118	103	93.6		NR
Relative Percent Difference	NR	0	0	1	0.7		NR

METHODS:	SM3500-Ca-D3500-Mg E	8049	120.1	310.1
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Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
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ANALYSIS DATE:	12/18/03	12/18/03	12/18/03	12/18/03	12/18/03	12/19/03
H8267-1 MW 2	208	71	0	241	7.22	815
H8267-2 MW 3	660	123	0	292	7.37	1902
H8267-3 MW4	124	73	0	325	7.48	852
Quality Control	940	53.65	NR	996	7.02	NR
True Value QC	1000	50.00	NR	1000	7.00	NR
% Recovery	94.0	107	NR	99.6	100	NR
Relative Percent Difference	7.4	1.5	NR	0	0.1	1.4

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Chemist

12/19/03
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H8267



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Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

4 Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

ROC F-29

ANALYTICAL REPORT

Prepared for:

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

Project: RI-2412 F-29

PO#: RI-2412 F-29

Order#: G0307535

Report Date: 09/26/2003

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#: G0307535
Project:
Project Name: RI-2412 F-29
Location: None Given

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>
0307535-01	MW-2	WATER	9/22/03 9:08	9/23/03 10:45	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: See COC		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Total Dissolved Solids (TDS)					
0307535-02	MW-3	WATER	9/22/03 9:16	9/23/03 10:45	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: See COC		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Total Dissolved Solids (TDS)					
0307535-03	MW-4	WATER	9/22/03 9:25	9/23/03 10:45	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: See COC		
	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#: G0307535
Project:
Project Name: RI-2412 F-29
Location: None Given

Lab ID: 0307535-01

Sample ID: MW-2

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006917-02		9/24/03	1	1	RKT	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	89%	80	120
Bromofluorobenzene	81%	80	120

Lab ID: 0307535-02

Sample ID: MW-3

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006917-02		9/24/03	1	1	RKT	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	93%	80	120
Bromofluorobenzene	81%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307535
Project:
Project Name: RI-2412 F-29
Location: None Given

Lab ID: 0307535-03
Sample ID: MW-4

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>		
0006917-02		9/24/03	1	1	RKT	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	105%	80	120
Bromofluorobenzene	84%	80	120

Approval: Raland K. Tuttle 10-01-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307535
Project:
Project Name: RI-2412 F-29
Location: None Given

Lab ID: 0307535-01
Sample ID: MW-2

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	182	mg/L	1	2.00	310.1	9/23/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
Chloride	151	mg/L	1	5.00	9253	9/23/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
SULFATE, 375.4	173	mg/L	5	2.5	375.4	9/25/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	114	mg/L	100	1.0	6010B	9/25/03	SM
Magnesium	22.9	mg/L	10	0.010	6010B	9/25/03	SM
Potassium	4.93	mg/L	1	0.050	6010B	9/25/03	SM
Sodium	88.8	mg/L	100	1.0	6010B	9/25/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	700	mg/L	1	5.0	160.1	9/24/03	SB

Lab ID: 0307535-02
Sample ID: MW-3

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	254	mg/L	1	2.00	310.1	9/23/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
Chloride	120	mg/L	1	5.00	9253	9/23/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
SULFATE, 375.4	238	mg/L	5	2.5	375.4	9/25/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	146	mg/L	100	1.0	6010B	9/25/03	SM
Magnesium	27.2	mg/L	10	0.010	6010B	9/25/03	SM
Potassium	4.53	mg/L	1	0.050	6010B	9/25/03	SM
Sodium	82.4	mg/L	100	1.0	6010B	9/25/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	881	mg/L	1	5.0	160.1	9/24/03	SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307535
Project:
Project Name: RI-2412 F-29
Location: None Given

Lab ID: 0307535-03
Sample ID: MW-4

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	202	mg/L	1	2.00	310.1	9/23/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
Chloride	425	mg/L	1	5.00	9253	9/23/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	9/23/03	SB
SULFATE, 375.4	271	mg/L	5	2.5	375.4	9/25/03	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	238	mg/L	100	1.0	6010B	9/25/03	SM
Magnesium	46.8	mg/L	10	0.010	6010B	9/25/03	SM
Potassium	5.91	mg/L	1	0.050	6010B	9/25/03	SM
Sodium	140	mg/L	100	1.0	6010B	9/25/03	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)	1640	mg/L	1	5.0	160.1	9/24/03	SB

Approval:

Raland K. Tuttle 10-03-03
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

Page 2 of 2

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#: G0307535**

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0006917-02			<0.001		
Toluene-mg/L		0006917-02			<0.001		
Ethylbenzene-mg/L		0006917-02			<0.001		
p/m-Xylene-mg/L		0006917-02			<0.001		
o-Xylene-mg/L		0006917-02			<0.001		
CONTROL	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0006917-03		0.1	0.090	90.%	
Toluene-mg/L		0006917-03		0.1	0.089	89.%	
Ethylbenzene-mg/L		0006917-03		0.1	0.087	87.%	
p/m-Xylene-mg/L		0006917-03		0.2	0.175	87.5%	
o-Xylene-mg/L		0006917-03		0.1	0.086	86.%	
CONTROL DUP	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0006917-04		0.1	0.091	91.%	1.1%
Toluene-mg/L		0006917-04		0.1	0.092	92.%	3.3%
Ethylbenzene-mg/L		0006917-04		0.1	0.089	89.%	2.3%
p/m-Xylene-mg/L		0006917-04		0.2	0.179	89.5%	2.3%
o-Xylene-mg/L		0006917-04		0.1	0.087	87.%	1.2%
SRM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0006917-05		0.1	0.096	96.%	
Toluene-mg/L		0006917-05		0.1	0.095	95.%	
Ethylbenzene-mg/L		0006917-05		0.1	0.091	91.%	
p/m-Xylene-mg/L		0006917-05		0.2	0.183	91.5%	
o-Xylene-mg/L		0006917-05		0.1	0.089	89.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0307535

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0006905-01			<2.00		
Carbonate Alkalinity-mg/L		0006906-01			<0.10		
Chloride-mg/L		0006904-01			<5.00		
Hydroxide Alkalinity-mg/L		0006907-01			<0.10		
SULFATE, 375.4-mg/L		0006943-01			<.50		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0307534-01	227		228		0.4%
Carbonate Alkalinity-mg/L		0307534-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0307534-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0307534-01	88.8		89.0		0.2%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0307534-01	31.9	100	133	101.1%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0307534-01	31.9	100	131	99.1%	1.5%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0006905-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0006906-04		0.05	0.0496	99.2%	
Chloride-mg/L		0006904-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0006907-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0006943-04		50	50.80	101.6%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Cations**

Order#: G0307535

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0006926-02			<0.010		
Magnesium-mg/L		0006926-02			<0.001		
Potassium-mg/L		0006926-02			<0.050		
Sodium-mg/L		0006926-02			<0.010		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0307534-02	339		338		0.3%
Magnesium-mg/L		0307534-02	124		124		0.%
Potassium-mg/L		0307534-02	90.4		88.6		2.%
Sodium-mg/L		0307534-02	3440		3384		1.6%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0006926-05		2	1.97	98.5%	
Magnesium-mg/L		0006926-05		2	2.13	106.5%	
Potassium-mg/L		0006926-05		2	1.79	89.5%	
Sodium-mg/L		0006926-05		2	1.86	93.%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0307535

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0006925-01			<5.00		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0307534-02	10900		10800		0.9%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0307535

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0006925-01			<5.00		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0307534-02	10900		10800		0.9%

ANALYTICAL REPORT

Prepared for:

KEN DUTTON

E.T.G.I.

2540 WEST MARLAND

HOBBS, NM 88240

Project: Rice

PO#:

Order#: G0306587

Report Date: 05/30/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

E.T.G.I.
2540 WEST MARLAND
HOBBS, NM 88240
505-397-4701

Order#: G0306587
Project:
Project Name: Rice
Location: none given

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>
0306587-01	MW-2	WATER	5/28/03 9:55	5/28/03 13:25	See COC	ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 2.5 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Total Dissolved Solids (TDS)					
0306587-02	MW-3	WATER	5/28/03 9:45	5/28/03 13:25	See COC	ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Total Dissolved Solids (TDS)					
0306587-03	MW-4	WATER	5/28/03 10:05	5/28/03 13:25	See COC	ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Total Dissolved Solids (TDS)					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

KEN DUTTON
E.T.G.I.
2540 WEST MARLAND
HOBBS, NM 88240

Order#: G0306587
Project:
Project Name: Rice
Location: none given

Lab ID: 0306587-01
Sample ID: MW-2

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0005664-02		5/28/03 17:50	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	89%	80	120
Bromofluorobenzene	93%	80	120

Lab ID: 0306587-02
Sample ID: MW-3

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0005664-02		5/28/03 18:12	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	95%	80	120
Bromofluorobenzene	92%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

KEN DUTTON
E.T.G.I.
2540 WEST MARLAND
HOBBS, NM 88240

Order#: G0306587
Project:
Project Name: Rice
Location: none given

Lab ID: 0306587-03
Sample ID: MW-4

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0005664-02		5/28/03 18:34	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	92%	80	120
Bromofluorobenzene	90%	80	120

Approval:

Celey D. Keene 05/30/03
Rand 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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

KEN DUTTON
E.T.G.I.
2540 WEST MARLAND
HOBBBS, NM 88240

Order#: G0306587
Project:
Project Name: Rice
Location: none given

Lab ID: 0306587-01
Sample ID: MW-2

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	198	mg/L	1	2.00	310.1	5/29/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
Chloride	257	mg/L	1	5.00	9253	5/29/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
SULFATE, 375.4	138	mg/L	2.5	1.25	375.4	5/29/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	145	mg/L	100	1.0	6010B	5/29/03	SM
Magnesium	25.5	mg/L	10	0.010	6010B	5/29/03	SM
Potassium	6.48	mg/L	1	0.050	6010B	5/29/03	SM
Sodium	93.2	mg/L	100	1.0	6010B	5/29/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	804	mg/L	1	5.0	160.1	5/28/03	SB

Lab ID: 0306587-02
Sample ID: MW-3

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	192	mg/L	1	2.00	310.1	5/29/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
Chloride	301	mg/L	1	5.00	9253	5/29/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
SULFATE, 375.4	240	mg/L	5	2.5	375.4	5/29/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	804	mg/L	100	1.0	6010B	5/29/03	SM
Magnesium	35.3	mg/L	10	0.010	6010B	5/29/03	SM
Potassium	6.37	mg/L	1	0.050	6010B	5/29/03	SM
Sodium	116	mg/L	100	1.0	6010B	5/29/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	1120	mg/L	1	5.0	160.1	5/28/03	SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

KEN DUTTON
E.T.G.I.
2540 WEST MARLAND
HOBBS, NM 88240

Order#: G0306587
Project:
Project Name: Rice
Location: none given

Lab ID: 0306587-03
Sample ID: MW-4

Anions

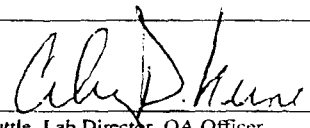
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	222	mg/L	1	2.00	310.1	5/29/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
Chloride	124	mg/L	1	5.00	9253	5/29/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	5/29/03	SB
SULFATE, 375.4	269	mg/L	5	2.5	375.4	5/29/03	SB

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	155	mg/L	100	1.0	6010B	5/29/03	SM
Magnesium	24.4	mg/L	10	0.010	6010B	5/29/03	SM
Potassium	4.89	mg/L	1	0.050	6010B	5/29/03	SM
Sodium	101	mg/L	10	0.10	6010B	5/29/03	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	742	mg/L	1	5.0	160.1	5/28/03	SB

Approval:  05/29/03

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

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306587

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005664-02			<0.001		
Toluene-mg/L		0005664-02			<0.001		
Ethylbenzene-mg/L		0005664-02			<0.001		
p/m-Xylene-mg/L		0005664-02			<0.001		
o-Xylene-mg/L		0005664-02			<0.001		
CONTROL		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005664-03		0.1	0.094	94.0%	
Toluene-mg/L		0005664-03		0.1	0.091	91.0%	
Ethylbenzene-mg/L		0005664-03		0.1	0.092	92.0%	
p/m-Xylene-mg/L		0005664-03		0.2	0.191	95.5%	
o-Xylene-mg/L		0005664-03		0.1	0.094	94.0%	
CONTROL DUP		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005664-04		0.1	0.093	93.0%	1.1%
Toluene-mg/L		0005664-04		0.1	0.088	88.0%	3.4%
Ethylbenzene-mg/L		0005664-04		0.1	0.084	84.0%	9.1%
p/m-Xylene-mg/L		0005664-04		0.2	0.173	86.5%	9.9%
o-Xylene-mg/L		0005664-04		0.1	0.085	85.0%	10.1%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Benzene-mg/L		0005664-05		0.1	0.098	98.0%	
Toluene-mg/L		0005664-05		0.1	0.093	93.0%	
Ethylbenzene-mg/L		0005664-05		0.1	0.092	92.0%	
p/m-Xylene-mg/L		0005664-05		0.2	0.190	95.0%	
o-Xylene-mg/L		0005664-05		0.1	0.093	93.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0306587

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0005679-01			<2.00		
Carbonate Alkalinity-mg/L		0005680-01			<0.10		
Chloride-mg/L		0005668-01			<5.00		
Hydroxide Alkalinity-mg/L		0005681-01			<0.10		
SULFATE, 375.4-mg/L		0005678-01			<0.5		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0306587-02	192		191		0.5%
Carbonate Alkalinity-mg/L		0306587-02	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0306587-02	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0306587-03	269		264		1.9%
MS	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0306587-01	257	500	744	97.4%	
MSD	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0306587-01	257	500	753	99.2%	1.2%
SRM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L		0005679-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0005680-04		0.05	0.0496	99.2%	
Chloride-mg/L		0005668-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0005681-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0005678-04		50	51.9	103.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0306587

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0005686-02			<0.010		
Magnesium-mg/L		0005686-02			<0.001		
Potassium-mg/L		0005686-02			<0.050		
Sodium-mg/L		0005686-02			<0.010		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0306587-02	804		802		0.2%
Magnesium-mg/L		0306587-02	35.3		36.0		2.0%
Potassium-mg/L		0306587-02	6.37		6.40		0.5%
Sodium-mg/L		0306587-02	116		114		1.7%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0005686-05		2	1.96	98.0%	
Magnesium-mg/L		0005686-05		2	2.10	105.0%	
Potassium-mg/L		0005686-05		2	1.84	92.0%	
Sodium-mg/L		0005686-05		2	1.78	89.0%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0306587

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0005672-01			<5.00		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0306587-01	804		962		17.9%

CHAIN-OF-CUSTODY

WWW.ANALYSYSINC.COM

ANALYSYS
INC.

Send Reports To:

Bill to (if different):

Company Name Eastman Kodak Technology Corp.Company Name RiceAddress 3512 Montopolis Drive, Austin, TX 78741

Address _____

City Houston State TX Zip 77058

City _____ State _____ Zip _____

ATTN: _____

ATTN: _____

Phone (512) 397-4882 Fax (512) 397-4701

Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: _____

Sampler: _____

Analyses Requested (1)
Please attach explanatory information as required3512 Montopolis Drive, Austin, TX 78741
Phone: (512) 385-5886 Fax: (512) 385-7411209 N. I.D., Ste K, Corpus Christi, TX 78401
Phone: (361) 289-6384 Fax: (361) 289-0857

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. #	BTX Chlorides Anions Cations TDS				Comments
01 MW-2	5-28-03	9:55	1		X			X	X	X	X	25°C
02 MW-3	5-28-03	9:45	1		X			X	X	X	X	35°C
03 MW-4	5-28-03	10:05	1		X		030658	X	X	X	X	35°C
												(3) 500 mL HDPE w/ HNO ₃
												(3) 250 mL HDPE
												(6) 40 mL glass w/ HCl

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MFL/PLD). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants ASI List List at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By

Sample Received By

Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<u>ETAT</u>	<u>ETAT</u>	<u>5-28-03</u>	<u>10:07</u>	<u>ETAT</u>	<u>ETAT</u>	<u>5-28-03</u>	<u>10:07 A</u>
<u>ETAT</u>	<u>ETAT</u>	<u>5-28-03</u>	<u>1:25 PM</u>	<u>ETAT</u>	<u>ETAT</u>	<u>5-28-03</u>	<u>1:25 PM</u>

[Forwarding of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYTICAL REPORT

Prepared for:

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

ROC

F-29

Project: Rice
PO#: RI-2412
Order#: G0306056
Report Date: 03/28/2003

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#: G0306056
Project: RI-2412
Project Name: Rice
Location: None Given

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>
0306056-01	MW-2	WATER	3/21/03 11:40	3/24/03 19:30	See COC	See COC
	<u>Lab Testing:</u> 8021B/5030 BTEX Anions Cations	Rejected: No		Temp: 1.5 C		
0306056-02	MW-3	WATER	3/21/03 12:15	3/24/03 19:30	See COC	See COC
	<u>Lab Testing:</u> 8021B/5030 BTEX Anions Cations	Rejected: No		Temp: 1.5 C		
0306056-03	MW-4	WATER	3/21/03 12:00	3/24/03 19:30	See COC	See COC
	<u>Lab Testing:</u> 8021B/5030 BTEX Anions Cations	Rejected: No		Temp: 1.5 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306056
Project: RI-2412
Project Name: Rice
Location: None Given

Lab ID: 0306056-01
Sample ID: MW-2

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005077-02		3/27/03 17:12	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	105%	80	120
Bromofluorobenzene	85%	80	120

Lab ID: 0306056-02
Sample ID: MW-3

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005077-02		3/27/03 17:32	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	104%	80	120
Bromofluorobenzene	80%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306056
Project: RI-2412
Project Name: Rice
Location: None Given

Lab ID: 0306056-03
Sample ID: MW-4

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005077-02		3/27/03 17:52	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	102%	80	120
Bromofluorobenzene	92%	80	120

Approval:

Raland K. Tuttle 3-28-03
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.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306056
Project: RI-2412
Project Name: Rice
Location: None Given

Lab ID: 0306056-01
Sample ID: MW-2

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	193	mg/L	1	2.00	310.1	3/25/03	CK
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK
Chloride	230	mg/L	1	5.00	9253	3/25/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK
SULFATE, 375.4	140	mg/L	2.5	1.25	375.4	3/26/03	CK

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	138	mg/L	10	0.10	6010B	3/25/03	SM
Magnesium	25.7	mg/L	10	0.010	6010B	3/25/03	SM
Potassium	5.86	mg/L	1	0.050	6010B	3/25/03	SM
Sodium	113	mg/L	10	0.10	6010B	3/25/03	SM

Lab ID: 0306056-02
Sample ID: MW-3

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	232	mg/L	1	2.00	310.1	3/25/03	CK
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK
Chloride	133	mg/L	1	5.00	9253	3/25/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK
SULFATE, 375.4	266	mg/L	5	2.5	375.4	3/26/03	CK

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	882	mg/L	100	1.0	6010B	3/25/03	SM
Magnesium	30.2	mg/L	10	0.010	6010B	3/25/03	SM
Potassium	5.76	mg/L	1	0.050	6010B	3/25/03	SM
Sodium	135	mg/L	10	0.10	6010B	3/25/03	SM

Lab ID: 0306056-03
Sample ID: MW-4

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	198	mg/L	1	2.00	310.1	3/25/03	CK
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK
Chloride	346	mg/L	1	5.00	9253	3/25/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	3/25/03	CK

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306056
Project: RI-2412
Project Name: Rice
Location: None Given

Lab ID: 0306056-03

Sample ID: MW-4

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>
SULFATE, 375.4	289	mg/L	5	2.5	375.4	3/26/03	CK

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	669	mg/L	100	1.0	6010B	3/25/03	SM
Magnesium	42.9	mg/L	10	0.010	6010B	3/25/03	SM
Potassium	6.69	mg/L	1	0.050	6010B	3/25/03	SM
Sodium	206	mg/L	10	0.10	6010B	3/25/03	SM

Approval:

Raland K. Tuttle 3-28-03

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#: G0306056

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005077-02			<0.001		
Toluene-mg/L		0005077-02			<0.001		
Ethylbenzene-mg/L		0005077-02			<0.001		
p/m-Xylene-mg/L		0005077-02			<0.001		
o-Xylene-mg/L		0005077-02			<0.001		
CONTROL							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005077-03		0.1	0.094	94.%	
Toluene-mg/L		0005077-03		0.1	0.094	94.%	
Ethylbenzene-mg/L		0005077-03		0.1	0.095	95.%	
p/m-Xylene-mg/L		0005077-03		0.2	0.196	98.%	
o-Xylene-mg/L		0005077-03		0.1	0.096	96.%	
CONTROL DUP							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005077-04		0.1	0.106	106.%	12.%
Toluene-mg/L		0005077-04		0.1	0.106	106.%	12.%
Ethylbenzene-mg/L		0005077-04		0.1	0.104	104.%	9.%
p/m-Xylene-mg/L		0005077-04		0.2	0.215	107.5%	9.2%
o-Xylene-mg/L		0005077-04		0.1	0.103	103.%	7.%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0005077-05		0.1	0.101	101.%	
Toluene-mg/L		0005077-05		0.1	0.101	101.%	
Ethylbenzene-mg/L		0005077-05		0.1	0.100	100.%	
p/m-Xylene-mg/L		0005077-05		0.2	0.208	104.%	
o-Xylene-mg/L		0005077-05		0.1	0.100	100.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0306056

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0005043-01			<2.00	
Carbonate Alkalinity-mg/L		0005043-01			<0.10	
Chloride-mg/L		0005042-01			<5.00	
Hydroxide Alkalinity-mg/L		0005043-01			<0.10	
SULFATE, 375.4-mg/L		0005072-01			<0.5	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0306056-01	193		192	0.5%
Carbonate Alkalinity-mg/L		0306056-01	0		<0.10	0.0%
Hydroxide Alkalinity-mg/L		0306056-01	0		<0.10	0.0%
SULFATE, 375.4-mg/L		0306056-01	140		144	2.8%
MS						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Chloride-mg/L		0306056-01	230	500	718	97.6%
MSD						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Chloride-mg/L		0306056-01	230	500	709	95.8% 1.3%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0005043-04		0.05	0.0524	104.8%
Carbonate Alkalinity-mg/L		0005043-04		0.05	0.0524	104.8%
Chloride-mg/L		0005042-04		5000	4960	99.2%
Hydroxide Alkalinity-mg/L		0005043-04		0.05	0.0524	104.8%
SULFATE, 375.4-mg/L		0005072-04		50	57.5	115.0%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0306056

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0005058-02			<0.010	
Magnesium-mg/L		0005058-02			<0.001	
Potassium-mg/L		0005058-02			<0.050	
Sodium-mg/L		0005058-02			<0.010	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0306056-01	138		138	0.0%
Magnesium-mg/L		0306056-01	25.7		24.8	3.6%
Potassium-mg/L		0306056-01	5.86		5.90	0.7%
Sodium-mg/L		0306056-01	113		114	0.9%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Calcium-mg/L		0005058-05		2	2.30	115.0%
Magnesium-mg/L		0005058-05		2	2.10	105.0%
Potassium-mg/L		0005058-05		2	1.90	95.0%
Sodium-mg/L		0005058-05		2	2.12	106.0%

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G. I.
 Address 3540 W. Maryland
 City Hobbs State NR Zip 88240
 ATTN: Ken Oatton
 Phone 505-397-4882 Fax 505-397-4761

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: RF-2412 Sampler: Justin Fink

Tax Results to RICE.
Report + Invoice to Rice
Fax ETGI

Company Name Rice
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____



4221 Friedrich Lane, Suite 100, Austin, TX 78711
 (512) 444-5896

Analyses Requested (1)

Please attach explanatory information as required.

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Containers	Comments
MW-2	3-21-03	11:40	4		X		0304056-01	X	(1) L Amber glass (1) 500 mL HDPE
MW-3	3-21-03	12:15	4		X		02	X	(1) L Amber glass (1) 500 mL HDPE
MW-4	3-21-03	12:00	4		X		03	X	(1) L Amber glass (1) 500 mL HDPE
									*missing 40 mL glass samples called Carolyn 3-25-03

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using AST's method of choice and all data will be reported to AST's normal reporting limits (MDL/POI). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, AST will default to Priority Full-scan AST's HSL list at AST's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By

Sample Received By

Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Fink	ETGI	3-21-03					
W. Hargrave	ETGI	3-24-03	12:30	R. L. Clark	ETGI	3-24-03	19:30

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/supplier to AnalySys, Inc.'s standard terms.

15°C