

AP - 44

ANNUAL MONITORING REPORT

YEAR(S):

2003

RICE Operating Company

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

CERTIFIED MAIL

RETURN RECEIPT NO. 7002 2410 0000 4940 1282

March 4, 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: 2003 MONITOR WELL REPORT/SAMPLING SUMMARY
EME SWD SYSTEM
LEA COUNTY, NEW MEXICO

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2003 Monitor Well Report for the Eunice Monument Eumont (EME) Salt Water Disposal System. Listed below are 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 except for H-13, which was the result of a pipeline leak.

Site Name	Unit Letter	Section	Township/Range
E-5 jct.	E	5	T20S, R37E
N-5 jct.	N	5	T20S, R37E
K-6 jct.	K	6	T20S, R37E
M-16-1 jct.	M	16	T20S, R37E
K-33-1 jct.	K	33	T19S, R37E
H-13 leak	H	13	T20S, R36E
A-20 jct.	A	20	T20S, R37E

NO #
1R0 429-00

ROC samples these monitor wells each quarter. Analysis of the samples was provided by Cardinal Laboratories of Hobbs and Environmental Lab of Texas of Odessa. In 2004, ROC will continue to conduct the sampling of the monitor wells at these sites. As in 2003, either Environmental Lab of Texas of Odessa, Texas, or Cardinal Laboratories of Hobbs will continue to conduct analytical tests of the water samples of 2004.

ROC will continue to address the groundwater concerns at these sites in 2004 by contracting a consultant/groundwater specialist 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 as they are prioritized 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.

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

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

RICE OPERATING COMAPANY

Kristin Farris

Kristin Farris
Project Scientist

Enclosures: Summary table & graph for each site
 Analytical results

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

EME H-13 Leak Site
T 20 S, R 36 E

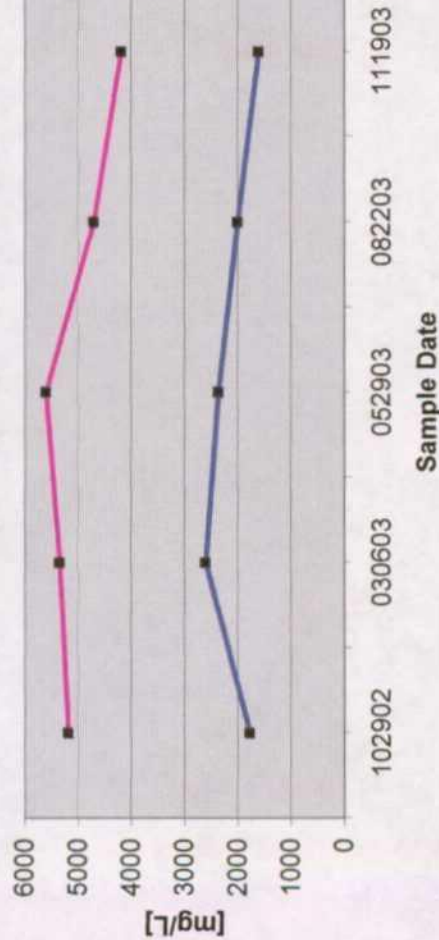
Rice Operating Co. Monitor Well Data Sheet

All parameter concentrations are in mg/L.

MW #	WATER LEVEL (ft)	TOTAL DEPTH	WELL VOLUME	VOLUME BAILED (gal)	SAMPLE DATE	TIME	CL-	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
1	33.19	43.94	1.720	5.25	102902	1027	1770	5180	<0.001	<0.001	<0.001	<0.001
1	33.18	43.90	1.710	5.10	030603	1045	2600	5340	<0.001	<0.001	<0.001	<0.001
1	33.20	43.91	1.212	5.10	052903	1230	2360	5600	<0.001	<0.001	<0.001	<0.001
1	33.40	43.90	1.680	5.04	082203	1441	2000	4700	<0.001	<0.001	<0.001	<0.001
1	33.35	43.91	1.600	5.00	111903	1245	1600	4180	<0.001	<0.001	<0.001	0.001

EME H-13 leak Monitor Well

— Chlorides — Total Dissolved Solids (TDS)



* Depth to water is measured from the top of the casing
Casing is 2.438 ft

ANALYTICAL REPORT

Prepared for:

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

Project: EME H-13

PO#:

Order#: G0305907

Report Date: 03/14/2003

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#: G0305907
Project:
Project Name: EME H-13
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>
0305907-01	MW 1	WATER	3/6/03 10:45	3/6/03 18:50	See COC	See COC
<u>Lab Testing:</u>		Rejected: No	Temp:	4 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#: G0305907
Project:
Project Name: EME H-13
Location: None Given

Lab ID: 0305907-01
Sample ID: MW 1

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004923-02		3/13/03 9:31	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	90%	80	120
Bromofluorobenzene	97%	80	120

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.

3-17-03

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305907
Project:
Project Name: EME H-13
Location: None Given

Lab ID: 0305907-01
Sample ID: MW 1

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>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Calcium	360	mg/L	100	1.0	6010B	03/14/2003	3/14/03	SM
Magnesium	160	mg/L	100	0.10	6010B	03/14/2003	3/14/03	SM
Potassium	24.4	mg/L	10	0.50	6010B	03/14/2003	3/14/03	SM
Sodium	1230	mg/L	1000	10.0	6010B	03/14/2003	3/14/03	SM

Approval:

Raland K. Tuttle 3-14-03

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#: G0305907
Project:
Project Name: EME H-13
Location: None Given

Lab ID: 0305907-01

Sample ID: MW 1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	206	mg/L	1	2.00	310.1	3/7/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	3/7/03	SB
Chloride	2600	mg/L	1	5.00	9253	3/7/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	3/7/03	SB
SULFATE, 375.4	1020	mg/L	25	12.5	375.4	3/13/03	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Total Dissolved Solids (TDS)	5340	mg/L	1	5.0	160.1	3/11/03	TAL

Approval: Raland K. Tuttle 3-18-03
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

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305907

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0004923-02			<0.001	
Toluene-mg/L		0004923-02			<0.001	
Ethylbenzene-mg/L		0004923-02			<0.001	
p/m-Xylene-mg/L		0004923-02			<0.001	
o-Xylene-mg/L		0004923-02			<0.001	
CONTROL						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0004923-03		0.1	0.089	89.%
Toluene-mg/L		0004923-03		0.1	0.092	92.%
Ethylbenzene-mg/L		0004923-03		0.1	0.094	94.%
p/m-Xylene-mg/L		0004923-03		0.2	0.197	98.5%
o-Xylene-mg/L		0004923-03		0.1	0.098	98.%
CONTROL DUP						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0004923-04		0.1	0.089	89.%
Toluene-mg/L		0004923-04		0.1	0.089	89.%
Ethylbenzene-mg/L		0004923-04		0.1	0.094	94.%
p/m-Xylene-mg/L		0004923-04		0.2	0.194	97.%
o-Xylene-mg/L		0004923-04		0.1	0.099	99.%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
Benzene-mg/L		0004923-05		0.1	0.085	85.%
Toluene-mg/L		0004923-05		0.1	0.086	86.%
Ethylbenzene-mg/L		0004923-05		0.1	0.088	88.%
p/m-Xylene-mg/L		0004923-05		0.2	0.182	91.%
o-Xylene-mg/L		0004923-05		0.1	0.093	93.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0305907

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0004888-01			<2.00		
Carbonate Alkalinity-mg/L		0004892-01			<0.10		
Chloride-mg/L		0004891-01			<5.00		
Hydroxide Alkalinity-mg/L		0004890-01			<0.10		
SULFATE, 375.4-mg/L		0004928-01			<0.50		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0305907-01	206		207		0.5%
Carbonate Alkalinity-mg/L		0305907-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0305907-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0305907-01	1020		988		3.2%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0305907-01	2600	1000	3580	98.0%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0305907-01	2600	1000	3600	100.0%	0.6%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0004888-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0004892-04		0.05	0.0496	99.2%	
Chloride-mg/L		0004891-04		5000	4963	99.3%	
Hydroxide Alkalinity-mg/L		0004890-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0004928-04		50	49.0	98.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0305907

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0004936-02			<0.010		
Magnesium-mg/L		0004936-02			<0.001		
Potassium-mg/L		0004936-02			<0.050		
Sodium-mg/L		0004936-02			<0.010		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0305907-01	360		364		1.1%
Magnesium-mg/L		0305907-01	160		164		2.5%
Potassium-mg/L		0305907-01	24.4		24.8		1.6%
Sodium-mg/L		0305907-01	1230		1170		5.0%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Calcium-mg/L		0004936-05		2	2.11	105.5%	
Magnesium-mg/L		0004936-05		2	2.08	104.0%	
Potassium-mg/L		0004936-05		2	1.84	92.0%	
Sodium-mg/L		0004936-05		2	1.93	96.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305907

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0004906-01			<5.0		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0305907-01	5340		5370		0.6%

Environmental Lab of Texas, Inc.

12500 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: EME H-13
Company Name: RICE Operating Project #: _____
Company Address: 122 W. Taylor Project Loc: _____
City/State/Zip: Hobbs, NM 88240 PO #: _____
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: Joe Pratt

FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative					Matrix	Analyze For:
				HNO ₃	HCl (2) 40mL glass	NaOH	H ₂ SO ₄	None L.H.P.C.		
MW1	3-6-03	10:45	1	X					Water	TPH 418.1
MW1	3-6-03	10:45	2	X					Sludge	TPH TX 1005/1006
									Soil	TPH 6015M GROUNDRO
									Other (Specify)	Metals: As Ag Ba Cd Cr Pb Hg Se
										Semivolatiles
										BTEX 6021B/5030
										RUSH TAT (Pre-Schedule)
										Standard TAT

Special Instructions:

Relinquished by: Joe Pratt Date: 3-6-03 Time: 16:30

Relinquished by: Carolyn Ann Taylor Date: 3-6-03 Time: 18:50

Received by: Rel. CKH Date: 3-6-03 Time: 18:50

Sample Container's intact? Y
Temperature Upon Receipt: 4°C
Laboratory Comments:

ANALYTICAL REPORT

Prepared for:

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

Project: Leak H-13
PO#: 510
Order#: G0306599
Report Date: 06/04/2003

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#: G0306599
Project:
Project Name: Leak H-13
Location: EME

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>
0306599-01	MWI	WATER	5/29/03 12:30	5/29/03 19:40	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#: G0306599
Project:
Project Name: Leak H-13
Location: EME

Lab ID: 0306599-01
Sample ID: MW1

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0005706-02		5/30/03 13:25	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	98%	80	120
Bromofluorobenzene	103%	80	120

Approval:

Aly D. Keene 06/04/03
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

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

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306599
Project:
Project Name: Leak H-13
Location: EME

Lab ID: 0306599-01

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	220	mg/L	1	2.00	310.1	5/30/03	WL
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	5/30/03	WL
Chloride	2360	mg/L	1	5.00	9253	5/30/03	WL
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	5/30/03	WL
SULFATE, 375.4	920	mg/L	25	12.5	375.4	6/2/03	SB

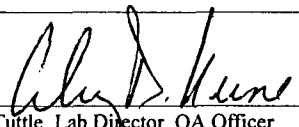
Cations

<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	342	mg/L	100	1.0	6010B	6/3/03	SM
Magnesium	150	mg/L	100	0.10	6010B	6/3/03	SM
Potassium	28.0	mg/L	10	0.50	6010B	6/3/03	SM
Sodium	1030	mg/L	1000	10.0	6010B	6/3/03	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)	5600	mg/L	1	5.0	160.1	6/2/03	TAL

Approval:


Rafand 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#: G0306599

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0005706-02			<0.001	
Toluene-mg/L		0005706-02			<0.001	
Ethylbenzene-mg/L		0005706-02			<0.001	
p/m-Xylene-mg/L		0005706-02			<0.001	
o-Xylene-mg/L		0005706-02			<0.001	
MS						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0306601-01	0	0.1	0.097	97.%
Toluene-mg/L		0306601-01	0	0.1	0.096	96.%
Ethylbenzene-mg/L		0306601-01	0	0.1	0.094	94.%
p/m-Xylene-mg/L		0306601-01	0	0.2	0.196	98.%
o-Xylene-mg/L		0306601-01	0	0.1	0.094	94.%
MSD						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0306601-01	0	0.1	0.096	96.% 1.%
Toluene-mg/L		0306601-01	0	0.1	0.093	93.% 3.2%
Ethylbenzene-mg/L		0306601-01	0	0.1	0.093	93.% 1.1%
p/m-Xylene-mg/L		0306601-01	0	0.2	0.193	96.5% 1.5%
o-Xylene-mg/L		0306601-01	0	0.1	0.095	95.% 1.1%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Benzene-mg/L		0005706-05		0.1	0.093	93.%
Toluene-mg/L		0005706-05		0.1	0.089	89.%
Ethylbenzene-mg/L		0005706-05		0.1	0.087	87.%
p/m-Xylene-mg/L		0005706-05		0.2	0.181	90.5%
o-Xylene-mg/L		0005706-05		0.1	0.088	88.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0306599

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0005720-01			<2.00		
Carbonate Alkalinity-mg/L		0005721-01			<0.10		
Chloride-mg/L		0005723-01			<5.00		
Hydroxide Alkalinity-mg/L		0005722-01			<0.10		
SULFATE, 375.4-mg/L		0005697-01			<0.5		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0306596-01	484		480		0.8%
Carbonate Alkalinity-mg/L		0306596-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0306596-01	0		<0.10		0.0%
SULFATE, 375.4-mg/L		0306599-01	920		895		2.8%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0306596-01	12400	5000	17700	106.0%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0306596-01	12400	5000	17500	102.0%	1.1%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0005720-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0005721-04		0.05	0.0496	99.2%	
Chloride-mg/L		0005723-04		5000	5320	106.4%	
Hydroxide Alkalinity-mg/L		0005722-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0005697-04		50	51.1	102.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0306599

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0005716-02			<0.010		
Magnesium-mg/L		0005716-02			<0.001		
Potassium-mg/L		0005716-02			<0.050		
Sodium-mg/L		0005716-02			<0.010		
DUPLICATE							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0306596-01	1080		1100		1.8%
Magnesium-mg/L		0306596-01	355		358		0.8%
Potassium-mg/L		0306596-01	63.1		61.8		2.1%
Sodium-mg/L		0306596-01	6910		6790		1.8%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0005716-05		2	1.98	99.%	
Magnesium-mg/L		0005716-05		2	2.10	105.%	
Potassium-mg/L		0005716-05		2	1.82	91.%	
Sodium-mg/L		0005716-05		2	1.93	96.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306599

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0005714-01			<5.0		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0306599-01	5600		5540		1.1%

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

Company Name: RICE Operating

Company Address: 122 W. Taylor

City/State/Zip: Holbrook, NM 88840

Telephone No: (505) 393-9174

Sampler Signature: [Signature]

Fax No: (505) 397-1471

Project Name: Leak H-13

Project #:

Project Loc: ENE

PO #: 510

LAB # (105 105 011)		FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix				Analyze For:										Sample Containers Intact? Temperature Upon Receipt Laboratory Comments
						IC	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sediment	Soil	Other (Specify)	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT		
0306599		MW1	5/29/03	1230	1	X					X			X													
		MW1	5/29/03	1230	2	X		X						X													

Special Instructions:

Major concerns & Cations: IDS

Relinquished by: [Signature] Date: 5/29/03 Time: 1230

Relinquished by: [Signature] Date: 5/29/03 Time: 15:40

Received by:

Received by ELOT

[Signature] Date: 5-29-03 Time: 1940

ANALYTICAL REPORT

Prepared for:

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

Project: H-13

PO#:

Order#: G0307307

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#: G0307307
Project:
Project Name: H-13
Location: EME

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>
0307307-01	MW1	WATER	8/22/03 14:40	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#: G0307307
Project:
Project Name: H-13
Location: EME

Lab ID: 0307307-01
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>		
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	119%	80	120
Bromofluorobenzene	107%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307307
Project:
Project Name: H-13
Location: EME

Lab ID: 0307307-01

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	216	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	2000	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	622	mg/L	12.5	6.25	375.4	8/26/03	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	307	mg/L	100	1.0	6010B	8/26/03	SM
Magnesium	130	mg/L	100	0.10	6010B	8/26/03	SM
Potassium	41.6	mg/L	10	0.50	6010B	8/26/03	SM
Sodium	2120	mg/L	1000	10.0	6010B	8/26/03	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)	4700	mg/L	1	5.0	160.1	8/25/03	TAL

Approval:

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

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

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307307

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#: G0307307

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0307300-01	2060	1000	3050	99.0%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0307300-01	2060	1000	3070	101.0%	0.7%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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#: G0307307

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
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#: G0307307

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%

ANALYTICAL REPORT

Prepared for:

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

**Project: H-13
PO#: 510
Order#: G0307981
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#: G0307981
Project:
Project Name: H-13
Location: EME

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>
0307981-01	MW-1	WATER	11/19/03 12:45	11/19/03 19:40	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#: G0307981
Project:
Project Name: H-13
Location: EME

Lab ID: 0307981-01
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	100%	80	120
Bromofluorobenzene	84%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0307981
Project:
Project Name: H-13
Location: EME

Lab ID: 0307981-01

Sample ID: MW-1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	216	mg/L	1	2.00	310.1	11/20/03	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	11/20/03	SB
Chloride	1600	mg/L	1	5.00	325	11/20/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	11/20/03	SB
SULFATE, 375.4	370	mg/L	5	2.5	375.4	11/24/03	SB

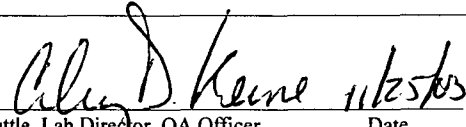
Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Calcium	314	mg/L	100	1.0	6010B	11/21/03	SM
Magnesium	137	mg/L	100	0.10	6010B	11/21/03	SM
Potassium	14.0	mg/L	10	0.50	6010B	11/21/03	SM
Sodium	626	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)	4180	mg/L	1	5.0	160.1	11/20/03	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 I, LTD.

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

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0307981

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0007510-01			<2.00	
Carbonate Alkalinity-mg/L		0007512-01			<0.10	
Chloride-mg/L		0007516-01			<5.00	
Hydroxide Alkalinity-mg/L		0007514-01			<0.10	
SULFATE, 375.4-mg/L		0007546-01			<0.50	
DUPLICATE						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0307979-01	468		466	0.4%
Carbonate Alkalinity-mg/L		0307979-01	0		<0.10	0.0%
Hydroxide Alkalinity-mg/L		0307979-01	0		<0.10	0.0%
SULFATE, 375.4-mg/L		0307979-01	20.9		21.6	3.3%
MS						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Chloride-mg/L		0307979-01	1930	500	2430	100.0%
MSD						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Chloride-mg/L		0307979-01	1930	500	2420	98.0%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery RPD
Bicarbonate Alkalinity-mg/L		0007510-04		0.05	0.0496	99.2%
Carbonate Alkalinity-mg/L		0007512-04		0.05	0.0496	99.2%
Chloride-mg/L		0007516-04		5000	4960	99.2%
Hydroxide Alkalinity-mg/L		0007514-04		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

8021B/5030 BTEX

Order#: G0307981

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
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
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
Benzene-mg/L		0007531-04		0.1	0.101	101.%
Toluene-mg/L		0007531-04		0.1	0.097	97.%
Ethylbenzene-mg/L		0007531-04		0.1	0.092	92.%
p/m-Xylene-mg/L		0007531-04		0.2	0.183	91.5%
o-Xylene-mg/L		0007531-04		0.1	0.087	87.%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
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

Cations

Order#: G0307981

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	1.0%
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	88.0%
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%

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QUALITY CONTROL REPORT

Test Parameters

Order#: G0307981

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0007518-01			<5.00		
DUPLICATE	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L		0307979-01	3590		3600		0.3%

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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[illegible]