

AP - 48

**ANNUAL  
MONITORING REPORT**

**YEAR(S):**

2005



# Highlander Environmental Corp.

Midland, Texas

2006 MAR 21 PM 12 06

CERTIFIED MAIL  
RETURN RECEIPT NO. 7004 2510 0001 1869 1009

March 16, 2006

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: 2005 Annual Summary Report, Rice Operating Company, Justis Saltwater Disposal System (SWD) Jct. L-1, Unit L, Section 1, T-25-S, R-37-E, Lea County, New Mexico, NMOCD CASE #1R0423-0 (AP-48)**

Dear Mr. Price:

Highlander Environmental Corp. (Highlander) takes this opportunity to submit the 2005 Annual Summary Report for the Rice Operating Company (ROC), Jct. L-1 site located in the Justis Salt Water Disposal System.

## Background

As part of the RICE Operating Company (ROC) Junction Box Upgrade Workplan, the original Justis L-1 junction box was removed and replaced with a new water tight junction box, located 50 feet south of the old box. Once the junction box was removed, evaluation of the surrounding and subsurface soils was initiated. Delineation was conducted with a backhoe. Chloride testing and PID field screening were performed at regular intervals. The final excavation measured 20 feet x 22 feet x 12 feet deep. PID concentrations were minimal and laboratory confirmed TPH concentrations were well below NMOCD regulatory guidelines. Chloride concentrations, however, did not appear to decline with depth.

On 12/29/2003, a soil boring was placed into the center of the excavation and advanced to a depth of 80' below ground surface, apparently encountering a saturated zone at 75' below ground surface. The borehole was plugged and a 1.5 foot thick clay barrier was placed into the excavation at 6 feet below ground surface. The remainder of the excavation was backfilled with excavated soils. No TPH impact to groundwater was indicated. On February 24, 2004,

ROC submitted a Junction Box Disclosure Form to the NMOCD.

On June 15, 2004, Highlander submitted a work plan for a confirmation borehole and possible monitor well placement at the site. The NMOCD responded with requested revisions to the workplan and on November 3, 2004, Highlander submitted a revised workplan to address NMOCD concerns. The workplan was approved by the NMOCD on November 4, 2004. Highlander supervised the installation of Monitor Well (MW-1) on December 19, 2004. The well was purged and sampled on December 21, 2004. On January 14, 2005, Rice submitted a Notification of Groundwater Impact to the NMOCD. Groundwater has been sampled and analyzed on a quarterly basis. Traces of benzene and ethylbenzene found in the original sampling have not been evident in subsequent sampling events.

### **Stage I Abatement Plan**

On May 5, 2005, Daniel Sanchez with the NMOCD requested a Rule 19, Stage I Abatement Plan for this site. On July 12, 2005 a Stage I Abatement Plan was submitted to the NMOCD. The plan was certified "Administratively Complete" on November 18, 2005. The Public Notice requirement of the Stage I Abatement Plan was satisfied in December, 2005. Prior to submission of this 2005 Annual Report, the Stage I Abatement Plan approval was received, dated February 23, 2006.

### **Monitor Well Sampling**

The site monitor well (MW-1) was sampled on March 29, June 16, September 15 and December 5, 2005 (Quarterly). Prior to sampling, the well was gauged for static water level. The monitor well cap was opened and water level measurements were taken from the top of the casing. The measurements were taken to the nearest 0.01 feet.

The well was then purged using a portable submersible pump. Approximately three casing volumes of water were purged from the well prior to sampling. The pump and associated tubing were decontaminated with a laboratory grade detergent and rinsed with deionized water. Cumulative water level measurements and purge volumes for the monitor wells are included in the Tables Section of this report.

The well was also inspected for the presence of phase-separated hydrocarbons (PSH). Groundwater samples were collected as soon as possible after the groundwater returned to its static level. Groundwater samples were collected using clean disposable polyethylene bailers and disposable line. The samples were transferred into labeled and preserved containers provided by the laboratory. The samples were delivered under proper chain-of-custody control to Environmental Labs of Texas, Inc., Odessa, Texas. The groundwater samples were analyzed for major anions, by methods 310.1, 9253 and 375.4, cations by method 6010B, Total Dissolved Solids (TDS) by method 160.1 and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) by method EPA 8021B. Copies of the laboratory reports are enclosed in Appendix A.

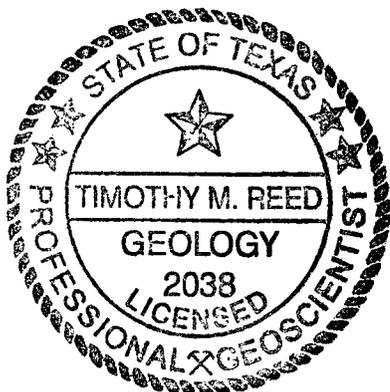


### Monitor Well Sample Results

There were no BTEX constituents at or above the New Mexico Water Quality Control Commission (WQCC) standards. Chloride and total dissolved solid (TDS) concentrations from monitor well MW-1 have been declining since the original sampling (12/21/04) to near the WQCC standards of 250 mg/L (chloride) and 1000 mg/L (TDS). The chloride concentrations have declined from 1060 mg/L to 390 mg/L, and the TDS concentrations have declined from 2620 mg/L to 1410 mg/L. Cumulative analytical data is summarized in the Table Section of this report.

### Conclusions and Recommendations

1. In 2005, there were no BTEX constituents at or above the New Mexico Water Quality Control Commission (WQCC) standards.
2. Chloride and total dissolved solid (TDS) concentrations from monitor well MW-1 have been declining since the original sampling (12/21/04) to near the WQCC standards of 250 mg/L (chloride) and 1000 mg/L (TDS). The chloride concentrations have declined from 1060 mg/L to 390 mg/L, and the TDS concentrations have declined from 2620 mg/L to 1410 mg/L.
3. Quarterly monitoring at this site will continue and an annual report will be prepared and submitted to the NMOCD in the first quarter of 2007.
4. Prior to submission of this 2005 Annual Report, the Stage I Abatement Plan approval was received, dated February 23, 2006. The Stage I Abatement Plan will be implemented as approved. Once completed, a Stage II Abatement Plan will be prepared and submitted to the NMOCD.



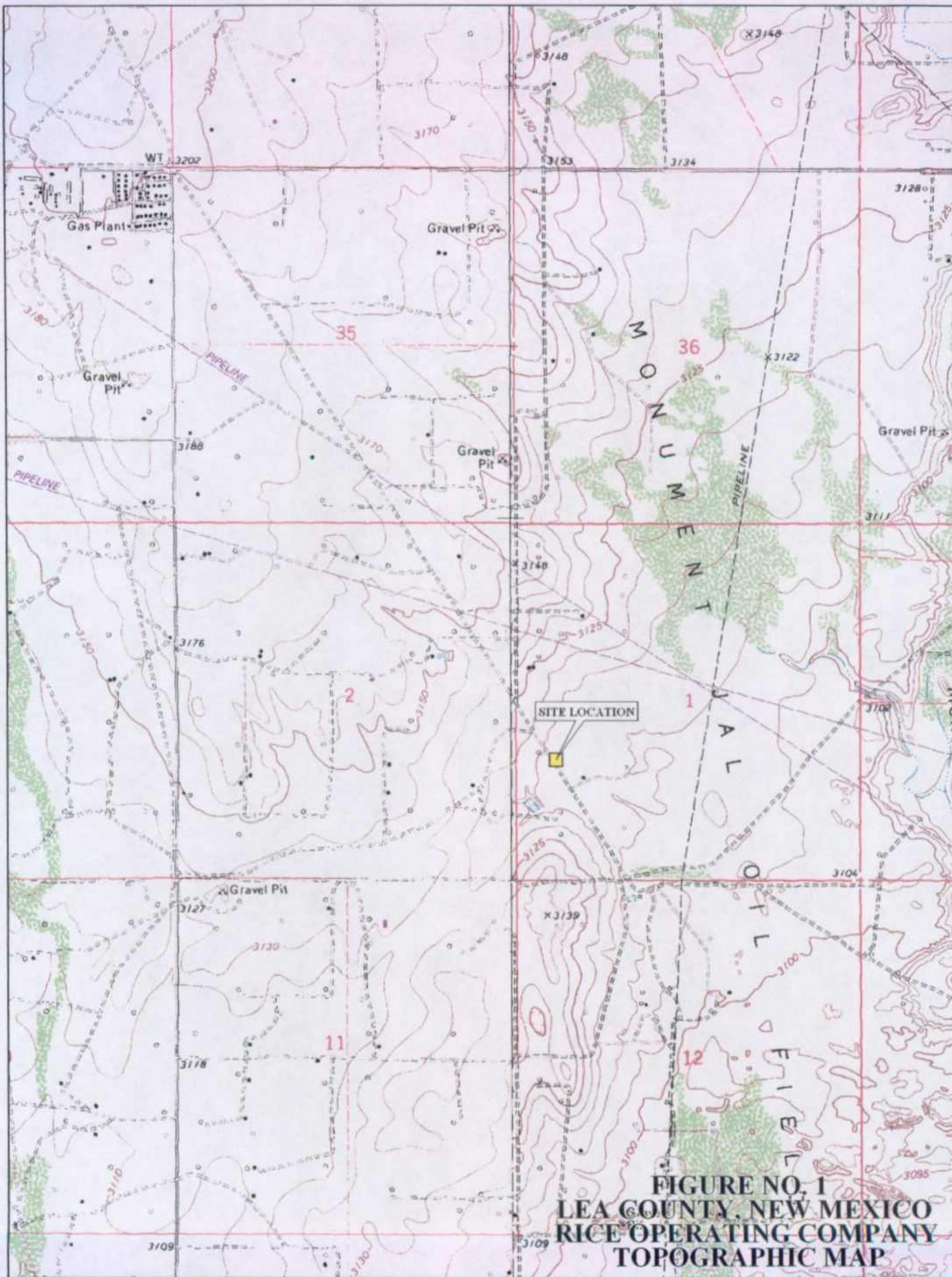
Respectfully Submitted,  
HIGHLANDER ENVIRONMENTAL CORP.

A handwritten signature in cursive script that reads "Tim Reed".

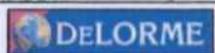
Timothy M. Reed, P.G.  
Vice President

cc: ROC

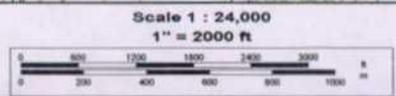




**FIGURE NO. 1  
LEA COUNTY, NEW MEXICO  
RICE OPERATING COMPANY  
TOPOGRAPHIC MAP**



© 2002 DeLorme. 3-D TopoQuads®. Data copyright of content owner.  
www.delorme.com



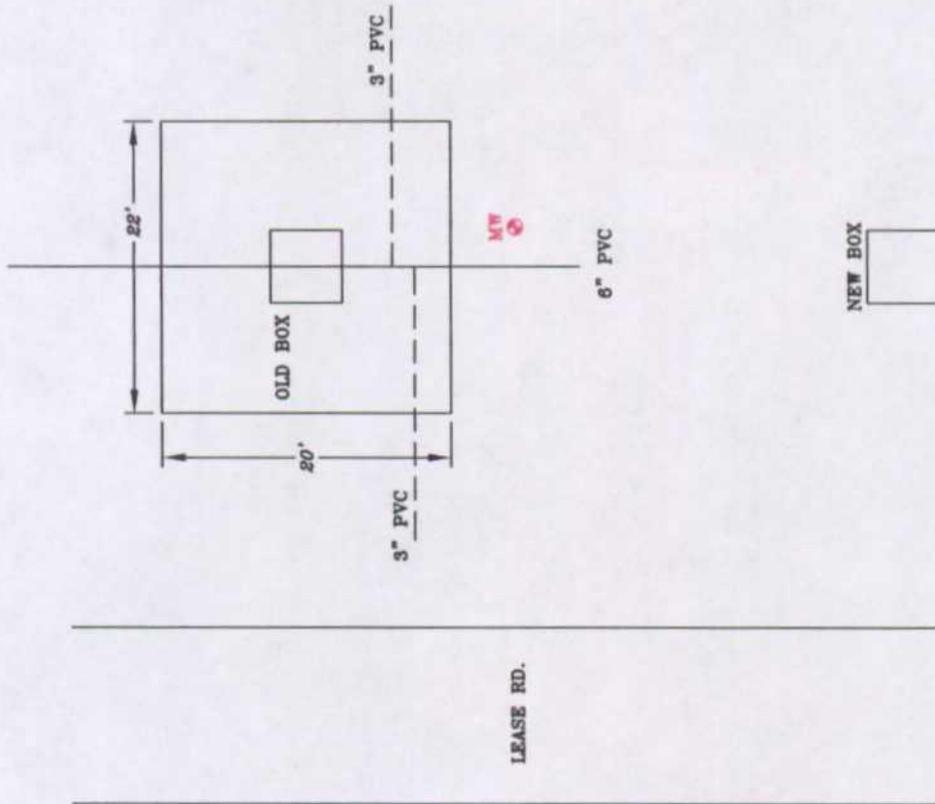
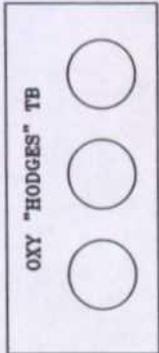


FIGURE NO. 2

LEA COUNTY, NEW MEXICO  
 RICE OPERATING COMPANY  
 JUSTIS L-1  
 SITE MAP  
 HIGHLANDER ENVIRONMENTAL CORP.  
 MIDLAND, TEXAS

DATE:	7/8/05
CHK. BY:	JJ
FILE:	100000114
SCALE:	AS SHOWN

NOT TO SCALE

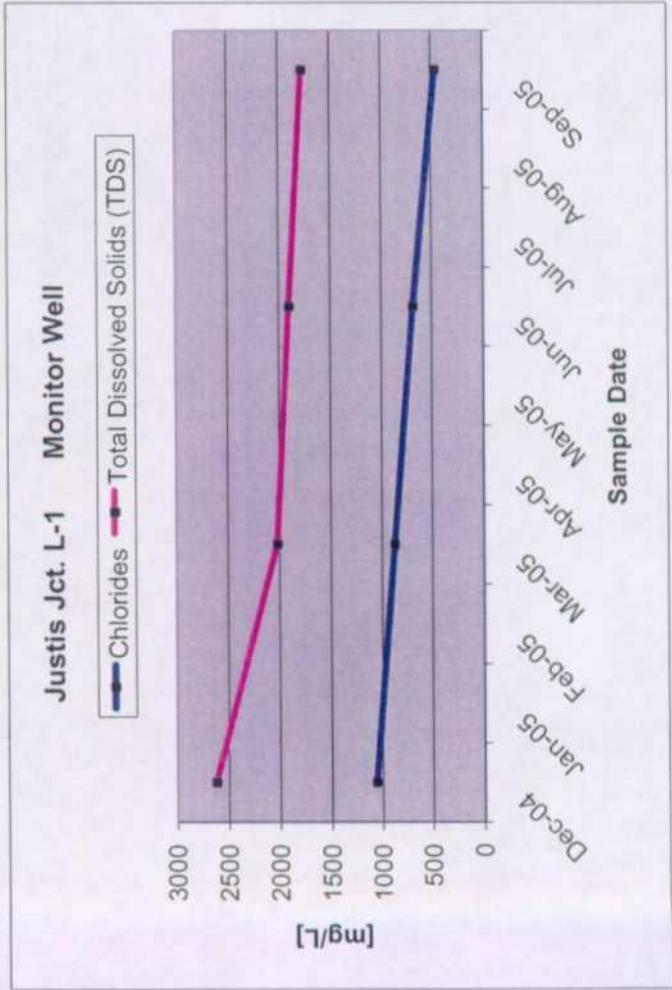
**Justis L-1 vent**

unit 'L', Sec. 1, T25S, R37E

2-in. well completed on 12/10/2004

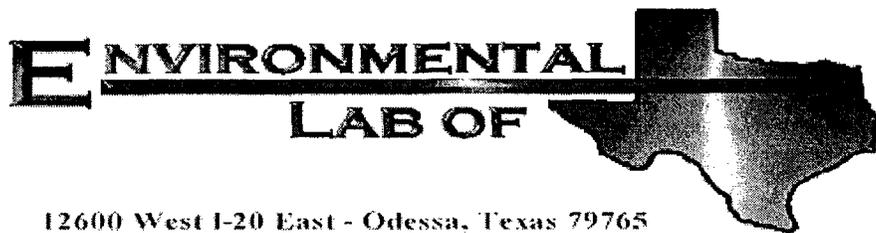
All concentrations are in mg/L

MW #	DEPTH TO WATER	TOTAL DEPTH	WELL VOLUME	VOLUME PURGED	SAMPLE DATE	Cl <sup>-</sup>	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SULFATE	COMMENTS
1	78.43	92.00	-	20.00	12/21/04	1060	2620	0.0158	<0.001	0.00209	<0.001	550	
1	78.19	92.00	-	20.00	3/29/05	873	2020	0.000904	<0.001	<0.001	<0.001	502	
1	78.11	92.00	-	20.00	6/16/2005	684	1900	<0.001	<0.001	<0.001	<0.001	468	
1	77.95	92.00	-	25.00	9/15/2005	464	1770	<0.001	<0.001	<0.001	<0.001	307	
1	77.80	92.00	2.300	8.00	12/5/2005	390	1410	<0.001	<0.001	<0.001	0.000666	245	



**Analytical Report**

**4/08/2005**



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

Prepared for:

Tim Reed

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justice L-1

Project Number: 2142

Location: Lea County, NM

Lab Order Number: 5C31008

Report Date: 04/08/05

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
04/08/05 11:01

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5C31008-01	Water	03/29/05 11:10	03/31/05 15:00

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
04/08/05 11:01

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5C31008-01) Water</b>									
Benzene	I [0.000904]	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		114 %		80-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %		80-120	"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
04/08/05 11:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5C31008-01) Water</b>									
<b>Total Alkalinity</b>	<b>222</b>	<b>2.00</b>	<b>mg/L</b>	<b>1</b>	<b>ED50709</b>	<b>04/07/05</b>	<b>04/07/05</b>	<b>EPA 310.2M</b>	
<b>Chloride</b>	<b>873</b>	<b>12.5</b>	<b>"</b>	<b>25</b>	<b>ED50612</b>	<b>04/06/05</b>	<b>04/06/05</b>	<b>EPA 300.0</b>	
<b>Total Dissolved Solids</b>	<b>2020</b>	<b>5.00</b>	<b>"</b>	<b>1</b>	<b>ED50502</b>	<b>04/04/05</b>	<b>04/05/05</b>	<b>EPA 160.1</b>	
<b>Sulfate</b>	<b>502</b>	<b>12.5</b>	<b>"</b>	<b>25</b>	<b>ED50612</b>	<b>04/06/05</b>	<b>04/06/05</b>	<b>EPA 300.0</b>	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
04/08/05 11:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5C31008-01) Water</b>									
Calcium	225	1.00	mg/L	100	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	77.8	0.0200	"	20	"	"	"	"	
Potassium	13.2	0.500	"	10	"	"	"	"	
Sodium	421	1.00	"	100	"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
04/08/05 11:01

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

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

**Batch ED50404 - EPA 5030C (GC)**

**Blank (ED50404-BLK1)**

Prepared & Analyzed: 04/01/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	21.6		ug/l	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	18.5		"	20.0		92.5	80-120			

**LCS (ED50404-BS1)**

Prepared & Analyzed: 04/01/05

Benzene	96.6		ug/l	100		96.6	80-120			
Toluene	96.1		"	100		96.1	80-120			
Ethylbenzene	95.2		"	100		95.2	80-120			
Xylene (p/m)	195		"	200		97.5	80-120			
Xylene (o)	93.5		"	100		93.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.5		"	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	17.5		"	20.0		87.5	80-120			

**Calibration Check (ED50404-CCV1)**

Prepared: 04/01/05 Analyzed: 04/02/05

Benzene	95.2		ug/l	100		95.2	80-120			
Toluene	95.1		"	100		95.1	80-120			
Ethylbenzene	96.9		"	100		96.9	80-120			
Xylene (p/m)	193		"	200		96.5	80-120			
Xylene (o)	95.6		"	100		95.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.7		"	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	20.7		"	20.0		104	80-120			

**Matrix Spike (ED50404-MS1)**

Source: SC28003-07

Prepared: 04/01/05 Analyzed: 04/04/05

Benzene	93.8		ug/l	100	ND	93.8	80-120			
Toluene	95.1		"	100	ND	95.1	80-120			
Ethylbenzene	102		"	100	ND	102	80-120			
Xylene (p/m)	204		"	200	ND	102	80-120			
Xylene (o)	99.7		"	100	ND	99.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	23.9		"	20.0		120	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 10

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 04/08/05 11:01

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

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

**Batch ED50404 - EPA 5030C (GC)**

**Matrix Spike Dup (ED50404-MSD1)**

Source: 5C28003-07

Prepared: 04/01/05 Analyzed: 04/04/05

Benzene	91.9		ug/l	100	ND	91.9	80-120	2.05	20	
Toluene	93.5		"	100	ND	93.5	80-120	1.70	20	
Ethylbenzene	93.0		"	100	ND	93.0	80-120	9.23	20	
Xylene (p/m)	189		"	200	ND	94.5	80-120	7.63	20	
Xylene (o)	93.6		"	100	ND	93.6	80-120	6.31	20	
Surrogate: a,a,a-Trifluorotoluene	22.0		"	20.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	16.3		"	20.0		81.5	80-120			

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
04/08/05 11:01

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

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

**Batch ED50502 - General Preparation (WetChem)**

**Blank (ED50502-BLK1)** Prepared: 04/04/05 Analyzed: 04/05/05

Total Dissolved Solids ND 5.00 mg/L

**Duplicate (ED50502-DUP1)** Source: 5C31008-01 Prepared: 04/04/05 Analyzed: 04/05/05

Total Dissolved Solids 1970 5.00 mg/L 2020 2.51 20

**Batch ED50612 - General Preparation (WetChem)**

**Blank (ED50612-BLK1)** Prepared & Analyzed: 04/06/05

Chloride ND 0.500 mg/L

Sulfate ND 0.500 "

**LCS (ED50612-BS1)** Prepared & Analyzed: 04/06/05

Chloride 10.9 mg/L 10.0 109 80-120

Sulfate 9.46 " 10.0 94.6 80-120

**Calibration Check (ED50612-CCV1)** Prepared & Analyzed: 04/06/05

Chloride 10.6 mg/L 10.0 106 80-120

Sulfate 9.55 " 10.0 95.5 80-120

**Duplicate (ED50612-DUP1)** Source: 5C31008-01 Prepared & Analyzed: 04/06/05

Chloride 862 12.5 mg/L 873 1.27 20

Sulfate 493 12.5 " 502 1.81 20

**Batch ED50709 - General Preparation (WetChem)**

**Blank (ED50709-BLK1)** Prepared & Analyzed: 04/07/05

Total Alkalinity ND 2.00 mg/L



Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 04/08/05 11:01

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

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

**Batch ED50802 - 6010B/No Digestion**

**Blank (ED50802-BLK1)**

Prepared: 04/06/05 Analyzed: 04/07/05

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

**Calibration Check (ED50802-CCV1)**

Prepared: 04/06/05 Analyzed: 04/07/05

Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	1.71		"	2.00		85.5	85-115			
Sodium	1.83		"	2.00		91.5	85-115			

**Duplicate (ED50802-DUP1)**

Source: 5C31008-01

Prepared: 04/06/05 Analyzed: 04/07/05

Calcium	214	1.00	mg/L		225			5.01	20	
Magnesium	74.7	0.0200	"		77.8			4.07	20	
Potassium	11.4	0.500	"		13.2			14.6	20	
Sodium	376	1.00	"		421			11.3	20	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 9 of 10

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

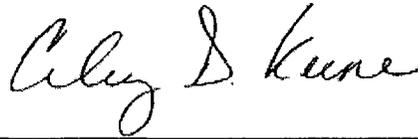
Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
04/08/05 11:01

### Notes and Definitions

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

Report Approved By: \_\_\_\_\_



Date: 4/8/2005

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

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

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

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

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 10 of 10



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

Client: Highlander Env.  
 Date/Time: 5/31/05 3:00  
 Order #: 5031008  
 Initials: CK

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	1.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

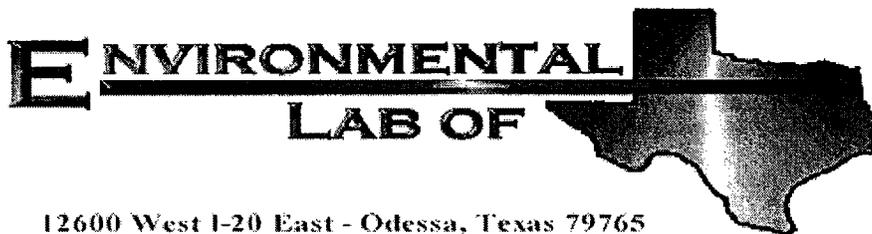
\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Analytical Report**

**6/23/2005**



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

Prepared for:

Tim Reed

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justice L-1

Project Number: 2142

Location: None Given

Lab Order Number: 5F20006

Report Date: 06/23/05

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
06/23/05 16:56

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5F20006-01	Water	06/16/05 09:10	06/17/05 18:00

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 06/23/05 16:56

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (SF20006-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.0 %	80-120		"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
06/23/05 16:56

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (SF20006-01) Water</b>									
Total Alkalinity	226	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	684	25.0	"	50	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	1900	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	468	25.0	"	50	EF52209	06/20/05	06/20/05	EPA 300.0	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
06/23/05 16:56

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5F20006-01) Water</b>									
Calcium	179	0.500	mg/L	50	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	75.3	0.0500	"	"	"	"	"	"	
Potassium	9.55	0.500	"	10	"	"	"	"	
Sodium	326	0.500	"	50	"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
06/23/05 16:56

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

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

**Batch EF51702 - EPA 5030C (GC)**

**Blank (EF51702-BLK1)**

Prepared & Analyzed: 06/20/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	21.1		ug/l	20.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	17.2		"	20.0		86.0	80-120			

**LCS (EF51702-BS1)**

Prepared & Analyzed: 06/20/05

Benzene	104		ug/l	100		104	80-120			
Toluene	109		"	100		109	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	202		"	200		101	80-120			
Xylene (o)	92.5		"	100		92.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.9		"	20.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	21.2		"	20.0		106	80-120			

**LCS Dup (EF51702-BSD1)**

Prepared & Analyzed: 06/20/05

Benzene	101		ug/l	100		101	80-120	2.93	20	
Toluene	109		"	100		109	80-120	0.00	20	
Ethylbenzene	102		"	100		102	80-120	6.64	20	
Xylene (p/m)	202		"	200		101	80-120	0.00	20	
Xylene (o)	90.4		"	100		90.4	80-120	2.30	20	
Surrogate: a,a,a-Trifluorotoluene	19.3		"	20.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.1		"	20.0		100	80-120			

**Calibration Check (EF51702-CCV1)**

Prepared & Analyzed: 06/20/05

Benzene	93.9		ug/l	100		93.9	80-120			
Toluene	97.5		"	100		97.5	80-120			
Ethylbenzene	89.6		"	100		89.6	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	85.9		"	100		85.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.0		"	20.0		85.0	80-120			
Surrogate: 4-Bromofluorobenzene	20.0		"	20.0		100	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
06/23/05 16:56

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

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

**Batch EF51702 - EPA 5030C (GC)**

**Matrix Spike (EF51702-MS1)**

Source: SF15001-08

Prepared: 06/20/05 Analyzed: 06/21/05

Benzene	99.5		ug/l	100	ND	99.5	80-120			
Toluene	102		"	100	ND	102	80-120			
Ethylbenzene	96.6		"	100	ND	96.6	80-120			
Xylene (p/m)	189		"	200	ND	94.5	80-120			
Xylene (o)	86.5		"	100	ND	86.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.3		"	20.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	21.1		"	20.0		106	80-120			

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 6 of 10

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 06/23/05 16:56

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

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

**Batch EF52209 - General Preparation (WetChem)**

**Blank (EF52209-BLK1)**

Prepared & Analyzed: 06/20/05

Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

**LCS (EF52209-BS1)**

Prepared & Analyzed: 06/20/05

Sulfate	10.4		mg/L	10.0		104	80-120			
Chloride	11.2		"	10.0		112	80-120			

**Calibration Check (EF52209-CCV1)**

Prepared & Analyzed: 06/20/05

Sulfate	10.3		mg/L	10.0		103	80-120			
Chloride	10.9		"	10.0		109	80-120			

**Duplicate (EF52209-DUP1)**

Source: SF17027-01

Prepared & Analyzed: 06/20/05

Sulfate	1740	50.0	mg/L		1780			2.27	20	
Chloride	1650	50.0	"		1660			0.604	20	

**Batch EF52212 - Filtration Preparation**

**Blank (EF52212-BLK1)**

Prepared: 06/22/05 Analyzed: 06/23/05

Total Dissolved Solids	ND	5.00	mg/L							
------------------------	----	------	------	--	--	--	--	--	--	--

**Duplicate (EF52212-DUP1)**

Source: SF16004-04

Prepared: 06/22/05 Analyzed: 06/23/05

Total Dissolved Solids	277	5.00	mg/L		276			0.362	20	
------------------------	-----	------	------	--	-----	--	--	-------	----	--

**Batch EF52213 - General Preparation (WetChem)**

**Blank (EF52213-BLK1)**

Prepared & Analyzed: 06/22/05

Total Alkalinity	ND	2.00	mg/L							
------------------	----	------	------	--	--	--	--	--	--	--

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 06/23/05 16:56

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EF52213 - General Preparation (WetChem)</b>										
<b>Duplicate (EF52213-DUP1)</b>		<b>Source: SF16009-01</b>			<b>Prepared &amp; Analyzed: 06/22/05</b>					
Total Alkalinity	153	2.00	mg/L		153			0.00	20	
<b>Reference (EF52213-SRM1)</b>		<b>Prepared &amp; Analyzed: 06/22/05</b>								
Bicarbonate Alkalinity	230		mg/L	200		115	80-120			

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justice L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946  
 Reported:  
 06/23/05 16:56

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

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

**Batch EF52114 - 6010B/No Digestion**

**Blank (EF52114-BLK1)**

Prepared & Analyzed: 06/21/05

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

**Calibration Check (EF52114-CCV1)**

Prepared & Analyzed: 06/21/05

Calcium	1.94		mg/L	2.00		97.0	85-115			
Magnesium	2.14		"	2.00		107	85-115			
Potassium	1.75		"	2.00		87.5	85-115			
Sodium	1.73		"	2.00		86.5	85-115			

**Duplicate (EF52114-DUP1)**

Source: SF16004-01

Prepared & Analyzed: 06/21/05

Calcium	20.4	0.100	mg/L		21.8			6.64	20	
Magnesium	19.6	0.0100	"		21.9			11.1	20	
Potassium	10.1	0.500	"		10.5			3.88	20	
Sodium	64.0	0.100	"		65.2			1.86	20	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 9 of 10

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justice L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
Reported:  
06/23/05 16:56

### Notes and Definitions

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

Report Approved By: \_\_\_\_\_

*Raland K Tuttle*

Date: \_\_\_\_\_

6/23/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

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

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

# Analysis Request and Chain of Custody Record

## HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.  
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: *KICE Operating Company* SITE MANAGER: *Tim Reed*

PROJECT NO.: *2142*

PROJECT NAME: *JUSTIS 6-1*

SAMPLE IDENTIFICATION

MATRIX  
COMP.  
GRAB

DATE  
TIME

LAB I.D. NUMBER  
*DF1000*

*6/16/05 9:10*  
*MW-1*

NUMBER OF CONTAINERS  
FILTERED (Y/N)

*3*

*X*

*X*

*X*

*X*

*X*

*X*

PRESERVATIVE METHOD

HCL  
KINDS  
ICE  
NONE

PAGE: \_\_\_\_\_ OF: \_\_\_\_\_

ANALYSIS REQUEST  
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	PCB's Vol. 8240/8260/824	
<input type="checkbox"/>	PCB's 8030/808	
<input type="checkbox"/>	GCMS Semi Vol. 8270/826	
<input type="checkbox"/>	GCMS Vol. 8240/8260/824	
<input type="checkbox"/>	PCB's 8030/808	
<input checked="" type="checkbox"/>	PCB's 8030/808	
<input type="checkbox"/>	RSD, TSS, pH, Chloride	
<input type="checkbox"/>	Gamma Spec.	
<input type="checkbox"/>	Alpha Beta (Air)	
<input type="checkbox"/>	PbM (Asbestos)	
<input checked="" type="checkbox"/>	Major anions & cations	

DATE: *6-17-05* TIME: *1800*  
 RECEIVED BY: (Signature) *[Signature]*  
 RECEIVED BY: (Signature) *[Signature]*  
 RECEIVED BY: (Signature) *[Signature]*  
 RECEIVED BY: (Signature) *[Signature]*  
 DATE: *06-17-05* TIME: *1800*

RECEIVING LABORATORY: *LAVIEN INC. Labs at IX*  
 ADDRESS: *1500 N. 10th St.*  
 CITY: *Levelland, TX* STATE: *TX* ZIP: \_\_\_\_\_  
 CONTACT: *Teal* PHONE: \_\_\_\_\_

SAMPLE CONDITION WHEN RECEIVED:  
*1-L HOPE*  
*2.40mL glass vial*  
*3.5°C*  
 MATRIX: *Water*  
 SD-Soil  
 A-Air  
 SL-Soils  
 0-Other

REMARKS:  
*None*

SHIPMENT BY: (Print & Ship) *Key Tag*  
 SAMPLE SHIPPED BY: (Circle) *FEDEX*  
 HAZARDOUS:  YES  NO  
 UFS: \_\_\_\_\_  
 OTHER: \_\_\_\_\_  
 RESULTS BY: \_\_\_\_\_  
 RUSH CHARGE AUTHORIZED: Yes  No   
 HIGHLANDER CONTACT PERSON: *Tim Reed*

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

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

Client: Highlander  
 Date/Time: 6/2/05  
 Order #: SP20006  
 Initials: ck

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	35 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<del>Not present</del>
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

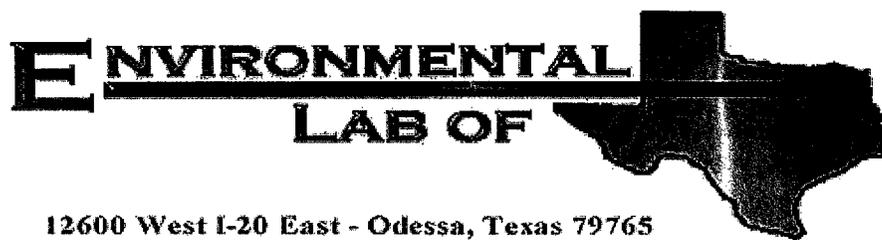
\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Analytical Report**

**9/29/2005**



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Tim Reed

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justis L-1

Project Number: 2142

Location: Lea County, NM

Lab Order Number: 5119005

Report Date: 09/29/05

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946  
**Reported:**  
09/29/05 09:58

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5119005-01	Water	09/15/05 10:30	09/16/05 15:45

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justis L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
 09/29/05 09:58

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (SI19005-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	E151910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.8 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.5 %		80-120	"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
09/29/05 09:58

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5I19005-01) Water</b>									
Total Alkalinity	212	2.00	mg/L	1	E152215	09/21/05	09/21/05	EPA 310.2M	
Chloride	464	25.0	"	50	E152001	09/19/05	09/20/05	EPA 300.0	
pH	7.16		pH Units	1	E152004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	1770	5.00	mg/L	"	E152607	09/21/05	09/22/05	EPA 160.1	
Sulfate	307	25.0	"	50	E152001	09/19/05	09/20/05	EPA 300.0	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 3 of 10

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
09/29/05 09:58

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (SI19005-01) Water</b>									
Calcium	156	0.500	mg/L	50	E152709	09/27/05	09/27/05	EPA 6010B	
Magnesium	54.4	0.0100	"	10	"	"	"	"	
Potassium	8.89	0.500	"	"	"	"	"	"	
Sodium	295	0.500	"	50	"	"	"	"	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 4 of 10

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
09/29/05 09:58

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

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

**Batch EI51910 - EPA 5030C (GC)**

<b>Blank (EI51910-BLK1)</b>		Prepared: 09/19/05 Analyzed: 09/22/05								
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/l	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.7		"	40.0		89.2	80-120			

<b>LCS (EI51910-BS1)</b>		Prepared: 09/19/05 Analyzed: 09/21/05								
Benzene	45.3		ug/l	50.0		90.6	80-120			
Toluene	42.9		"	50.0		85.8	80-120			
Ethylbenzene	48.3		"	50.0		96.6	80-120			
Xylene (p/m)	89.1		"	100		89.1	80-120			
Xylene (o)	54.6		"	50.0		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		"	40.0		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		"	40.0		115	80-120			

<b>Calibration Check (EI51910-CCV1)</b>		Prepared: 09/19/05 Analyzed: 09/22/05								
Benzene	47.1		ug/l	50.0		94.2	80-120			
Toluene	44.9		"	50.0		89.8	80-120			
Ethylbenzene	49.1		"	50.0		98.2	80-120			
Xylene (p/m)	89.8		"	100		89.8	80-120			
Xylene (o)	52.6		"	50.0		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		"	40.0		94.2	0-200			
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	0-200			

<b>Matrix Spike (EI51910-MS1)</b>		Source: 5115012-34	Prepared: 09/19/05 Analyzed: 09/22/05							
Benzene	41.2		ug/l	50.0	ND	82.4	80-120			
Toluene	40.3		"	50.0	ND	80.6	80-120			
Ethylbenzene	40.0		"	50.0	ND	80.0	80-120			
Xylene (p/m)	80.7		"	100	ND	80.7	80-120			
Xylene (o)	40.6		"	50.0	ND	81.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.7		"	40.0		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.6		"	40.0		86.5	80-120			

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justis L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
 09/29/05 09:58

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

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

**Batch EI51910 - EPA 5030C (GC)**

Matrix Spike Dup (EI51910-MSD1)	Source: 5115012-34			Prepared: 09/19/05 Analyzed: 09/22/05						
Benzene	42.6		ug/l	50.0	ND	85.2	80-120	3.34	20	
Toluene	40.0		"	50.0	ND	80.0	80-120	0.747	20	
Ethylbenzene	41.6		"	50.0	ND	83.2	80-120	3.92	20	
Xylene (p/m)	81.2		"	100	ND	81.2	80-120	0.618	20	
Xylene (o)	42.9		"	50.0	ND	85.8	80-120	5.51	20	
Surrogate: a,a,a-Trifluorotoluene	35.1		"	40.0		87.8	80-120			
Surrogate: 4-Bromofluorobenzene	35.6		"	40.0		89.0	80-120			

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justis L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
 09/29/05 09:58

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**

**Environmental Lab of Texas**

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

**Batch EI52001 - General Preparation (WetChem)**

**Blank (EI52001-BLK1)** Prepared: 09/19/05 Analyzed: 09/20/05

Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							

**LCS (EI52001-BS1)** Prepared: 09/19/05 Analyzed: 09/20/05

Chloride	8.10		mg/L	10.0		81.0	80-120			
Sulfate	8.85		"	10.0		88.5	80-120			

**Calibration Check (EI52001-CCV1)** Prepared: 09/19/05 Analyzed: 09/20/05

Chloride	10.2		mg/L	10.0		102	80-120			
Sulfate	10.2		"	10.0		102	80-120			

**Duplicate (EI52001-DUP1)** Source: 5I19003-01 Prepared: 09/19/05 Analyzed: 09/20/05

Chloride	154	5.00	mg/L		151			1.97	20	
Sulfate	134	5.00	"		133			0.749	20	

**Batch EI52004 - General Preparation (WetChem)**

**Calibration Check (EI52004-CCV1)** Prepared & Analyzed: 09/19/05

pH	6.96		pH Units	7.00		99.4	97.5-102.5			O-04
----	------	--	----------	------	--	------	------------	--	--	------

**Duplicate (EI52004-DUP1)** Source: 5I19003-01 Prepared & Analyzed: 09/19/05

pH	7.27		pH Units		7.32			0.685	2.5	O-04
----	------	--	----------	--	------	--	--	-------	-----	------

**Batch EI52215 - General Preparation (WetChem)**

**Blank (EI52215-BLK1)** Prepared & Analyzed: 09/21/05

Total Alkalinity	ND	2.00	mg/L							
------------------	----	------	------	--	--	--	--	--	--	--

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
09/29/05 09:58

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**

**Environmental Lab of Texas**

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

**Batch E152215 - General Preparation (WetChem)**

**Calibration Check (E152215-CCV1)**

Prepared & Analyzed: 09/21/05

Bicarbonate Alkalinity 229 mg/L 200 114 80-120

**Duplicate (E152215-DUP1)**

Source: 5I13005-01

Prepared & Analyzed: 09/21/05

Total Alkalinity 0.00 2.00 mg/L 96.0 20

**Batch E152607 - General Preparation (WetChem)**

**Blank (E152607-BLK1)**

Prepared & Analyzed: 09/22/05

Total Dissolved Solids ND 5.00 mg/L

**Duplicate (E152607-DUP1)**

Source: 5I19003-01

Prepared & Analyzed: 09/22/05

Total Dissolved Solids 812 5.00 mg/L 840 3.39 5

**Duplicate (E152607-DUP2)**

Source: 5I19033-08

Prepared & Analyzed: 09/22/05

Total Dissolved Solids 22100 5.00 mg/L 22400 1.35 5

Highlander Environmental Corp.  
 1910 N. Big Spring St.  
 Midland TX, 79705

Project: Rice/ Justis L-1  
 Project Number: 2142  
 Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
 09/29/05 09:58

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

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

**Batch EI52709 - 6010B/No Digestion**

**Blank (EI52709-BLK1)**

Prepared & Analyzed: 09/27/05

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

**Calibration Check (EI52709-CCV1)**

Prepared & Analyzed: 09/27/05

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	1.83		"	2.00		91.5	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.77		"	2.00		88.5	85-115			

**Duplicate (EI52709-DUP1)**

Source: 5I19003-01

Prepared & Analyzed: 09/27/05

Calcium	78.0	0.500	mg/L		80.2			2.78	20	
Magnesium	32.2	0.0100	"		32.6			1.23	20	
Potassium	8.07	0.250	"		8.08			0.124	20	
Sodium	88.9	0.500	"		87.7			1.36	20	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Rice/ Justis L-1  
Project Number: 2142  
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:  
09/29/05 09:58

### Notes and Definitions

O-04 This sample was analyzed outside the EPA recommended holding time.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:

*Raland K Tuttle*

Date: 9/29/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

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

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

# Analysis Request and Chain of Custody Record

## HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.  
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: **Rice**

SITE MANAGER: **Tim Reed**

PROJECT NO.: **2142**

PROJECT NAME: **Rice / Justice L-1**  
SAMPLE IDENTIFICATION: **Lee County, TX**

LAB I.D. NUMBER: **5119005**

DATE: **9/15/05** TIME: **10:30**

NUMBER OF CONTAINERS: **3**

FLTERS (Y/N): **MX**

PRESERVATIVE METHOD: **ICE**

DATE: **9/15/05**

TIME: **10:30**

DATE: **9/15/05**

TIME: **10:30**

DATE: **9/15/05**

TIME: **10:30**

DATE: **9/15/05**

TIME: **10:30**

PAGE: \_\_\_\_\_ OF: \_\_\_\_\_

### ANALYSIS REQUEST

(Circle or Specify Method No.)

PCB's 8080/808	
GCM's Semi Vol. 8270/825	
GCM's Vol. 8240/8200/824	
TCIP Volatiles	
TCIP Semi Volatiles	
TCIP Metals Ag As Ba Cd Cr Pb Hg Se	
TCIP Metals Ag As Ba Cd Cr Pb Hg Se	
PAH 8270	
TPH 418.1 8015 MOD. 731005	
MTBE 8020/808	
OTHER 8020/808	<input checked="" type="checkbox"/>
PCB's 8080/808	
PCB's 8080/808	
BOD, TSS, P, (TSS), Chloride	<input checked="" type="checkbox"/>
Gumma Spec.	
Alpha Beta (air)	
PLM (Asbestos)	
Metalloids	<input checked="" type="checkbox"/>

RELINQUISHED BY: (Signature) <i>[Signature]</i>	Date: <b>9/16/05</b>	Time: <b>7:45</b>	RECEIVED BY: (Signature) _____	Date: _____	Time: _____
RELINQUISHED BY: (Signature) _____	Date: _____	Time: _____	RECEIVED BY: (Signature) _____	Date: _____	Time: _____
RELINQUISHED BY: (Signature) _____	Date: _____	Time: _____	RECEIVED BY: (Signature) _____	Date: _____	Time: _____
RECEIVING LABORATORY: <b>EET</b>	ADDRESS: _____	CITY: <b>DRESSY</b>	STATE: <b>TX</b>	ZIP: _____	PHONE: _____
SAMPLE CONDITION WHEN RECEIVED: <b>3.0 label/leak</b>			MATRIX: <b>3.0</b>		
DATE: <b>9/16/05</b>			TIME: <b>3:45</b>		
REMARKS: _____					

RECEIVED BY: (Print & Sign) **Tim Reed** Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 SAMPLE SHIPPED BY: (Circle) **UPS** AIRBILL # \_\_\_\_\_ OTHER: \_\_\_\_\_  
 HIGHLANDER CONTACT PERSON: **Tim Reed**  
 RUSH CHARGES AUTHORIZED: Yes  No

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy

# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 9/16/05 3:45

Order #: 5T19005

Initials: CK

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	30	C
Shipping container/cooler in good condition?	Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	Yes	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Yes	No		
Chain of custody agrees with sample label(s)	Yes	No		
Container labels legible and intact?	Yes	No		
Sample Matrix and properties same as on chain of custody?	Yes	No		
Samples in proper container/bottle?	Yes	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	Yes	No		
Preservations documented on Chain of Custody?	Yes	No		
Containers documented on Chain of Custody?	Yes	No		
Sufficient sample amount for indicated test?	Yes	No		
All samples received within sufficient hold time?	Yes	No		
VOC samples have zero headspace?	Yes	No	Not Applicable	

Other observations:

---



---

### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

---

Corrective Action Taken:

---



---



---



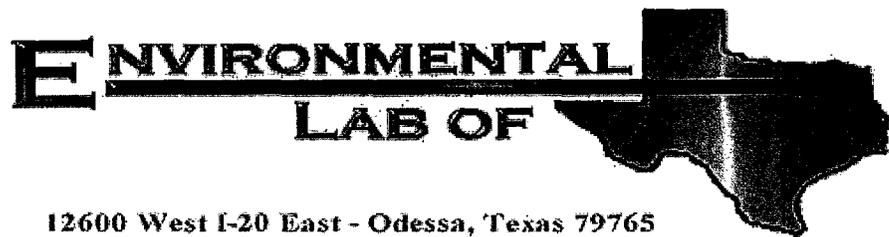
---



---

**Analytical Report**

**12/22/05**



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Justis L-1 Vent

Project Number: None Given

Location: Lea County

Lab Order Number: 5L07011

Report Date: 12/22/05

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	5L07011-01	Water	12/05/05 16:45	12/07/05 15:15

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

Project: Justis L-1 Vent  
 Project Number: None Given  
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
 12/22/05 17:00

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Monitor Well #1 (5L07011-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/08/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	I [0.000666]	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-120		"	"	"	"	

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

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

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Monitor Well #1 (SL07011-01) Water</b>									
Total Alkalinity	220	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.2M	
Chloride	390	10.0	"	20	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	1410	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	245	10.0	"	20	EL50917	12/08/05	12/09/05	EPA 300.0	

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Monitor Well #1 (SL07011-01) Water</b>									
Calcium	138	0.500	mg/L	50	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	44.6	0.0100	"	10	"	"	"	"	
Potassium	9.24	0.500	"	"	"	"	"	"	
Sodium	284	0.500	"	50	"	"	"	"	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 4 of 10

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

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

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

**Batch EL50801 - EPA 5030C (GC)**

<b>Blank (EL50801-BLK1)</b>										
										Prepared & Analyzed: 12/08/05
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	33.8		ug/l	40.0		84.5	80-120			
Surrogate: 4-Bromofluorobenzene	32.6		"	40.0		81.5	80-120			

<b>LCS (EL50801-BS1)</b>										
										Prepared & Analyzed: 12/08/05
Benzene	0.0492	0.00100	mg/L	0.0500		98.4	80-120			
Toluene	0.0526	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0503	0.00100	"	0.0500		101	80-120			
Xylene (p/m)	0.0973	0.00100	"	0.100		97.3	80-120			
Xylene (o)	0.0504	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.9		ug/l	40.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	43.9		"	40.0		110	80-120			

<b>Calibration Check (EL50801-CCV1)</b>										
										Prepared & Analyzed: 12/08/05
Benzene	42.9		ug/l	50.0		85.8	80-120			
Toluene	43.5		"	50.0		87.0	80-120			
Ethylbenzene	41.6		"	50.0		83.2	80-120			
Xylene (p/m)	83.4		"	100		83.4	80-120			
Xylene (o)	42.5		"	50.0		85.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.3		"	40.0		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120			

<b>Matrix Spike (EL50801-MS1)</b>										
			Source: 5L05006-08							
										Prepared & Analyzed: 12/08/05
Benzene	0.0434	0.00100	mg/L	0.0500	ND	86.8	80-120			
Toluene	0.0451	0.00100	"	0.0500	ND	90.2	80-120			
Ethylbenzene	0.0429	0.00100	"	0.0500	ND	85.8	80-120			
Xylene (p/m)	0.0842	0.00100	"	0.100	ND	84.2	80-120			
Xylene (o)	0.0438	0.00100	"	0.0500	ND	87.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.5		ug/l	40.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			

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

Project: Justis L-1 Vent  
 Project Number: None Given  
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471  
 Reported:  
 12/22/05 17:00

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

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

**Batch EL50801 - EPA 5030C (GC)**

**Matrix Spike Dup (EL50801-MSD1)**

Source: SL05006-08

Prepared & Analyzed: 12/08/05

Benzene	0.0459	0.00100	mg/L	0.0500	ND	91.8	80-120	5.60	20	
Toluene	0.0500	0.00100	"	0.0500	ND	100	80-120	10.3	20	
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120	11.4	20	
Xylene (p/m)	0.0929	0.00100	"	0.100	ND	92.9	80-120	9.82	20	
Xylene (o)	0.0491	0.00100	"	0.0500	ND	98.2	80-120	11.4	20	
Surrogate: a,a,a-Trifluorotoluene	38.6		ug/l	40.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

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

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

**Batch EL50917 - General Preparation (WetChem)**

**Blank (EL50917-BLK1)** Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							

**LCS (EL50917-BS1)** Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	8.00		mg/L	10.0		80.0	80-120			
Sulfate	9.08		"	10.0		90.8	80-120			

**Calibration Check (EL50917-CCV1)** Prepared: 12/08/05 Analyzed: 12/09/05

Sulfate	9.19		mg/L	10.0		91.9	80-120			
Chloride	8.12		"	10.0		81.2	80-120			

**Duplicate (EL50917-DUP1)** Source: 5L07010-01 Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	96.0	5.00	mg/L		93.5			2.64	20	
Sulfate	117	5.00	"		114			2.60	20	

**Batch EL51202 - General Preparation (WetChem)**

**Blank (EL51202-BLK1)** Prepared & Analyzed: 12/12/05

Total Alkalinity	ND	2.00	mg/L							
------------------	----	------	------	--	--	--	--	--	--	--

**Duplicate (EL51202-DUP1)** Source: 5L07010-01 Prepared & Analyzed: 12/12/05

Total Alkalinity	178	4.00	mg/L		180			1.12	20	
------------------	-----	------	------	--	-----	--	--	------	----	--

**Reference (EL51202-SRM1)** Prepared & Analyzed: 12/12/05

Bicarbonate Alkalinity	230		mg/L	200		115	80-120			
------------------------	-----	--	------	-----	--	-----	--------	--	--	--

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 7 of 10

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

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

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

**Batch EL51210 - General Preparation (WetChem)**

**Blank (EL51210-BLK1)**

Prepared: 12/08/05 Analyzed: 12/09/05

Total Dissolved Solids ND 5.00 mg/L

**Duplicate (EL51210-DUP1)**

Source: 5L07010-01

Prepared: 12/08/05 Analyzed: 12/09/05

Total Dissolved Solids 604 5.00 mg/L 586 3.03 5

**Duplicate (EL51210-DUP2)**

Source: 5L08004-05

Prepared: 12/08/05 Analyzed: 12/09/05

Total Dissolved Solids 2700 5.00 mg/L 2840 5.05 5

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

Project: Justis L-1 Vent  
 Project Number: None Given  
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471  
 Reported:  
 12/22/05 17:00

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

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

**Batch EL51903 - 6010B/No Digestion**

**Blank (EL51903-BLK1)**

Prepared & Analyzed: 12/16/05

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

**Calibration Check (EL51903-CCV1)**

Prepared & Analyzed: 12/16/05

Calcium	1.95		mg/L	2.00		97.5	85-115			
Magnesium	2.11		"	2.00		106	85-115			
Potassium	1.82		"	2.00		91.0	85-115			
Sodium	1.74		"	2.00		87.0	85-115			

**Duplicate (EL51903-DUP1)**

Source: 5L06016-01

Prepared & Analyzed: 12/16/05

Calcium	53.1	0.100	mg/L		51.6			2.87	20	
Magnesium	7.42	0.0100	"		7.48			0.805	20	
Potassium	3.54	0.0500	"		3.53			0.283	20	
Sodium	43.3	0.100	"		41.7			3.76	20	

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

Project: Justis L-1 Vent  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
12/22/05 17:00

### Notes and Definitions

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

Report Approved By:

*Raland K Tuttle*

Date:

12/22/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

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

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



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

Client: RICE OP.  
 Date/Time: 12/7/05 3:15  
 Order #: 5601011  
 Initials: CK

**Sample Receipt Checklist**

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

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_