

1R - 425-26

# REPORTS

DATE:

2007

Vacuum Mobil "P" EOL

RECEIVED

APR - 3 2007

Environmental Bureau  
Oil Conservation Division

# Disclosure

RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	Mobil 'P' EOL	A	26	17S	35E	Lea	System Abandoned--no box		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/2/2005 Date Completed 4/20/2006 NMOCD Witness no

Soil Excavated 267 cubic yards Excavation Length 30 Width 20 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 3/27/2006 Sample Depth 12 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	1480
BOTTOM COMP.	0.1	<10.0	<10.0	1750
REMED. BACKFILL	0.1	<10.0	<10.0	1950

LOCATION	DEPTH (ft)	ppm
delineation trench at junction	3	290
	4	299
	5	686
	6	709
	7	872
	8	1286
	9	1601
	10	1733
	11	1999
	12	2189
4-wall comp.	n/a	1050
bottom comp.	12	1554
backfill comp.	n/a	1404

General Description of Remedial Action: This junction box was addressed as part of the abandonment of the Vacuum SWD system. After the box lumber was removed, the site was delineated using a trackhoe to collect soil samples at regular intervals, producing a 30 x 20 x 12-ft-deep excavation. Chloride and organic vapors were measured in the field for each sample. All PID readings yielded very low concentrations (<10 ppm), however, chloride concentrations increased with depth. The excavated soil was blended on site and then returned to the hole up to 6 ft BGS where a 1-ft-thick clay barrier was installed. The remaining fill was placed on top of the clay. Additional fill was needed so clean, imported fill was used to backfill the remainder of the excavation. An identification plate was placed on the surface of the site to mark the location of the former junction for future environmental consideration and the presence of the clay below. The disturbed surface was seeded with a blend of native vegetation on 4/24/2006 and is expected to return to productive capacity at a normal rate. On 4/3/2006, OCD was notified of potential groundwater impact at this site. ROC has retained the consultant, L. Peter Galusky Jr., Ph.D. to address environmental concerns at this site.

enclosures: photos, lab results, PID field screenings, cl- graph, excavation cross-section

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 3/6/2007 TITLE Project Scientist

\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

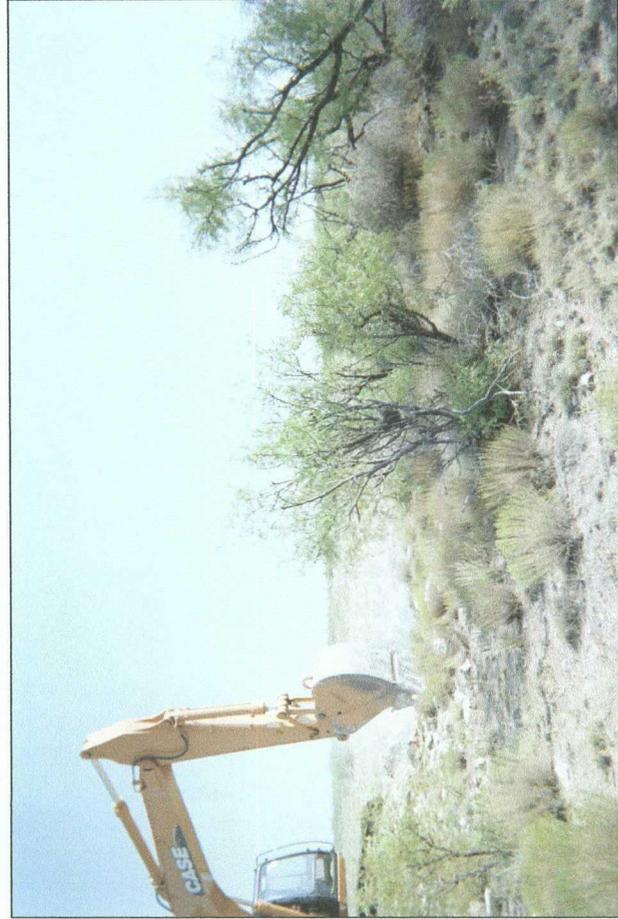
# Vacuum Mobil 'P' EOL

Unit 'A', Section 26, T17S, R35E



junction box prior to excavation

7/11/2005



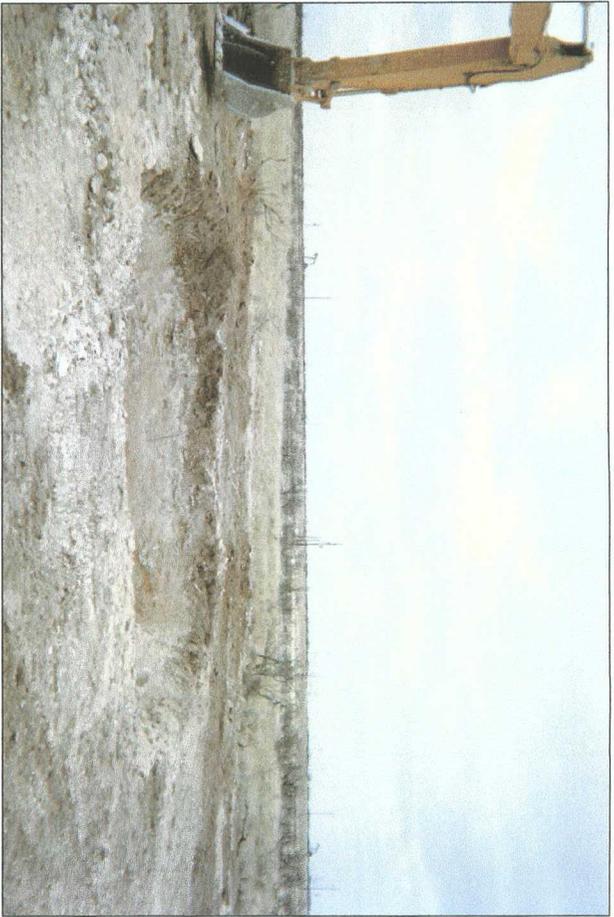
beginning delineation with trackhoe

8/2/2005



collecting soil samples from excavation

3/23/2006



final 30 x 20 x 12 ft deep excavation



installing clay barrier at 6 ft

4/13/2006



identification plate to mark former junction site and clay barrier below



seeding disturbed area at backfilled site

4/24/2006

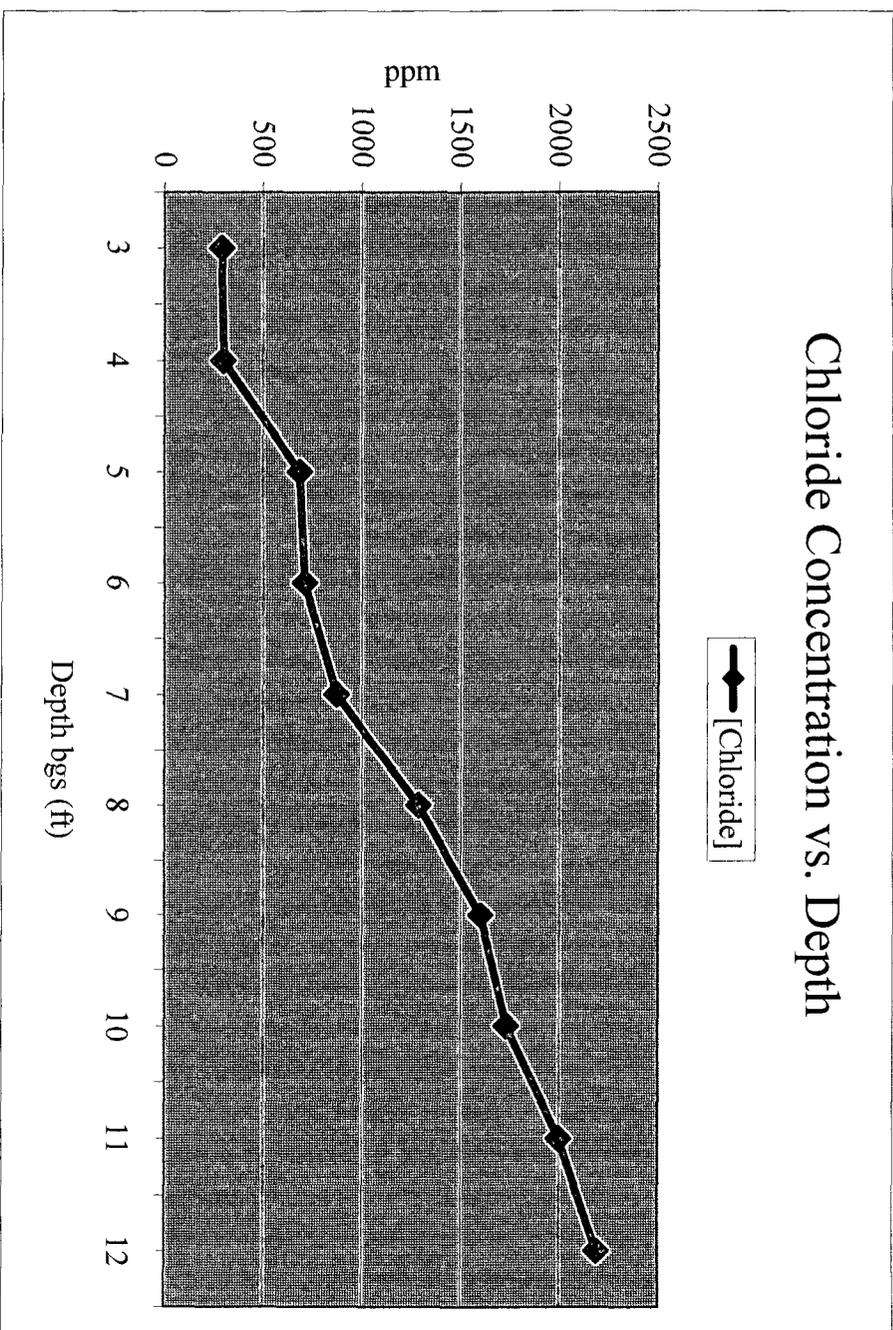
# Vacuum Mobil 'P' EOL

unit 'A', Sec. 26, T17S, R35E

Vertical Delineation at Source

Depth bgs (ft)	[Cl] ppm
3	290
4	299
5	686
6	709
7	872
8	1286
9	1601
10	1733
11	1999
12	2189

Groundwater = 50 ft



# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

Phone: (505) 393-9174 Fax: (505) 397-1471

## VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.  MODEL: PGM 761S  
 MODEL  MODEL: PGM 761S  
 NO.  MODEL: PGM 7600

SERIAL NO: 104412  
 SERIAL NO: 104490  
 SERIAL NO: 110-12383

LOT NO: 05-2859  
 FILL DATE: 7-19-05  
 ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE  
 EXP. DATE: 1-19-05  
 METER READING ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	mobil PEOL	A	26	17S	35E

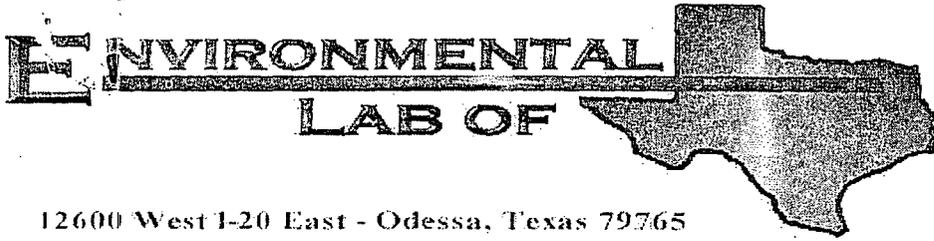
*Comp*

SAMPLE	PID RESULTS	SAMPLE	PID RESULTS
Blended soil for backfill	0.1		
Bottom comp @ 12' B65	0.1		
4 wall comp	0.1		
North wall 5 points comp	0.1		
East wall 5 point comp	0.1		
South wall 5 point comp	0.1		
West wall 5 point comp	0.1		

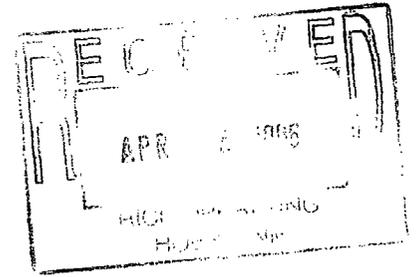
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE: *M. L. ...*

DATE: 3-27-06



12600 West 1-20 East - Odessa, Texas 79765



FINAL

COPY

# Analytical Report

Prepared for:

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

VAC

Project: Mobile P EOL  
Project Number: None Given  
Location: None Given

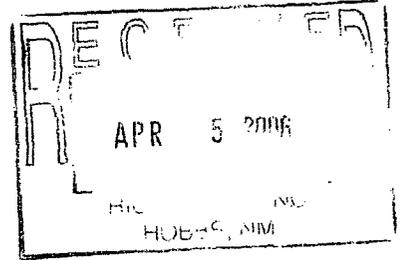
Lab Order Number: 6C28002

Report Date: 03/30/06

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: Mobile P EOL Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471 Reported: 03/30/06 11:32
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp.@ 12' bgs	6C28002-01	Soil	03/27/06 10:30	03/28/06 08:00
4 Wall Comp.	6C28002-02	Soil	03/27/06 11:30	03/28/06 08:00
Blended Soil for Backfill	6C28002-03	Soil	03/27/06 09:10	03/28/06 08:00

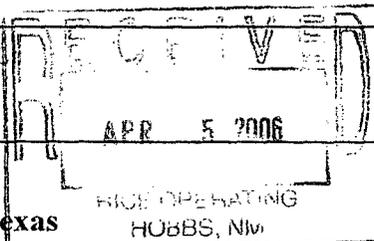


Rice Operating Co.  
122 W. Taylor  
Hobbs, NM, 88240

Project: Mobile P EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/30/06 11:32



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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Bottom Comp.@ 12' bgs (6C28002-01) Soil</b>									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62820	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		103 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		103 %		70-130	"	"	"	"	
<b>4 Wall Comp. (6C28002-02) Soil</b>									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62820	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		106 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		109 %		70-130	"	"	"	"	
<b>Blended Soil for Backfill (6C28002-03) Soil</b>									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62820	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		108 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		111 %		70-130	"	"	"	"	

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

Project: Mobile P EOL  
Project Number: None Given  
Project Manager: Roy Rascon

**RECEIVED**  
 APR 5 2006  
 Environmental Lab of Texas

Fax: (505) 397-1471  
Reported:  
03/30/06 11:32

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

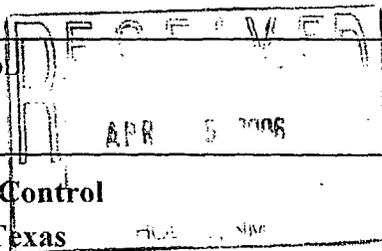
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Bottom Comp.@ 12' bgs (6C28002-01) Soil</b>									
Chloride	1750	20.0	mg/kg	40	EC62816	03/28/06	03/28/06	EPA 300.0	
% Moisture	9.7	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
<b>4 Wall Comp. (6C28002-02) Soil</b>									
Chloride	1480	20.0	mg/kg	40	EC62816	03/28/06	03/28/06	EPA 300.0	
% Moisture	4.6	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
<b>Blended Soil for Backfill (6C28002-03) Soil</b>									
Chloride	1950	25.0	mg/kg	50	EC62816	03/28/06	03/28/06	EPA 300.0	
% Moisture	2.5	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	

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

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Reported:  
03/30/06 11:32



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EC62820 - Solvent Extraction (GC)**

**Blank (EC62820-BLK1)**

Prepared: 03/28/06 Analyzed: 03/29/06

Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.2	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			

**LCS (EC62820-BS1)**

Prepared: 03/28/06 Analyzed: 03/29/06

Carbon Ranges C6-C12	599	10.0	mg/kg wet	500		120	75-125			
Carbon Ranges C12-C28	591	10.0	"	500		118	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1000		119	75-125			
Surrogate: 1-Chlorooctane	64.5		mg/kg	50.0		129	70-130			
Surrogate: 1-Chlorooctadecane	63.3		"	50.0		127	70-130			

**Calibration Check (EC62820-CCV1)**

Prepared: 03/28/06 Analyzed: 03/29/06

Carbon Ranges C6-C12	236		mg/kg	250		94.4	80-120			
Carbon Ranges C12-C28	298		"	250		119	80-120			
Total Hydrocarbon C6-C35	534		"	500		107	80-120			
Surrogate: 1-Chlorooctane	54.3		"	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	53.6		"	50.0		107	70-130			

**Matrix Spike (EC62820-MS1)**

Source: 6C27008-04

Prepared: 03/28/06 Analyzed: 03/29/06

Carbon Ranges C6-C12	589	10.0	mg/kg dry	594	ND	99.2	75-125			
Carbon Ranges C12-C28	569	10.0	"	594	ND	95.8	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1190	ND	97.5	75-125			
Surrogate: 1-Chlorooctane	57.7		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	51.8		"	50.0		104	70-130			

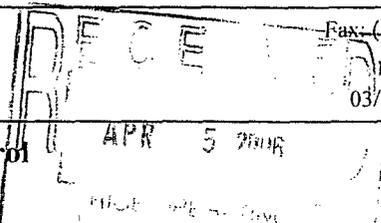
Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Mobile P EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/30/06 11:32

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



Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
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**Batch EC62820 - Solvent Extraction (GC)**

**Matrix Spike Dup (EC62820-MSD1)**

Source: 6C27008-04 Prepared: 03/28/06 Analyzed: 03/29/06

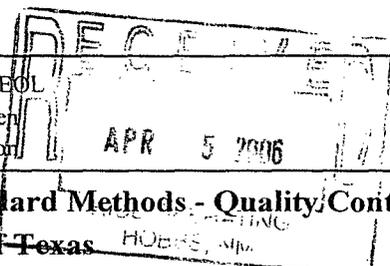
Carbon Ranges C6-C12	605	10.0	mg/kg dry	594	ND	102	75-125	2.68	20	
Carbon Ranges C12-C28	585	10.0	"	594	ND	98.5	75-125	2.77	20	
Total Hydrocarbon C6-C35	1190	10.0	"	1190	ND	100	75-125	2.55	20	
Surrogate: 1-Chlorooctane	59.0		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	53.1		"	50.0		106	70-130			

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

Project: Mobile P EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/30/06 11:32



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EC62816 - Water Extraction**

<b>Blank (EC62816-BLK1)</b>				Prepared & Analyzed: 03/28/06						
Chloride	ND	0.500	mg/kg							
<b>LCS (EC62816-BS1)</b>				Prepared & Analyzed: 03/28/06						
Chloride	9.30		mg/L	10.0		93.0	80-120			
<b>Calibration Check (EC62816-CCV1)</b>				Prepared & Analyzed: 03/28/06						
Chloride	9.15		mg/L	10.0		91.5	80-120			
<b>Duplicate (EC62816-DUP1)</b>				Source: 6C28001-01 Prepared & Analyzed: 03/28/06						
Chloride	6.43	5.00	mg/kg		6.59			2.46	20	

**Batch EC62905 - General Preparation (Prep)**

<b>Blank (EC62905-BLK1)</b>				Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	100		%							
<b>Duplicate (EC62905-DUP1)</b>				Source: 6C27008-01 Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	93.2		%		93.4			0.214	20	
<b>Duplicate (EC62905-DUP2)</b>				Source: 6C28002-03 Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	97.5		%		97.5			0.00	20	
<b>Duplicate (EC62905-DUP3)</b>				Source: 6C28010-03 Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	88.3		%		88.2			0.113	20	

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

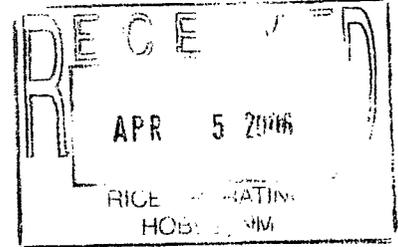
Project: Mobile P EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/30/06 11:32

### 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: 3-30-06

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.

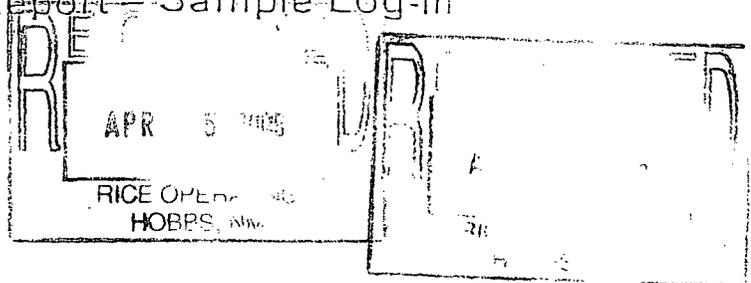
If you have received this material in error, please notify us immediately at 432-563-1800.



Environmental Lab of Texas

Variance / Corrective Action Report - Sample Log-In

Client Rice Op.  
 Date/Time 3/28/06 8:00  
 Order #: 6028002  
 Initials: CK



Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			2.0 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:

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

# Vacuum Mobil 'P' EOL

30 x 20 x 12-ft-deep

Excavation Cross-Section

