1R – 427 - 200

REPORTS

DATE:

4-11-05

EME A-34 Boot

IR0427-200

FINAL

REPORT

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	A-34 boot	A	34	19S	36E	Lea	no box–eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper OTHER _____

Depth to Groundwater 70 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20 *

Date Started 9/14/2004 Date Completed 2/28/2005 NMOCD Witness no

Soil Excavated 67 cubic yards Excavation Length 15 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 2/10/2005 **Sample Depth** 12 ft

Procure 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.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	228
BOTTOM COMP.	0.1	<10.0	<10.0	208
REMED. BACKFILL	0.1	<10.0	<10.0	138

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction	5	719
	6	719
	7	869
	8	209
	9	119
	10	89
	11	89
	12	89
5 ft WEST of junction	1	721
	2	573
	3	551
	4	496
	5	351
	6	288
	7	148
	8	115
	9	119
	10	143
	11	114
	12	114

General Description of Remedial Action: This location had 2 junction boxes, one of which contained a boot. The boxes were removed and the pipeline was re-plumbed straight through the location. The site was delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals, producing a 15 x 10 x 12-ft-deep excavation. All PID readings were 0.0 or 0.1 ppm and lab results on final samples confirmed non-detect TPH levels (<10.0 ppm), meeting NMOCD guidelines. Chloride concentrations exhibited significant trends of decline with depth and breadth, indicating non-saturated historical vadose conditions (see graphs). The excavated spoils were blended on-site and then backfilled into the excavation. The disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. This junction has been eliminated and a new box is not required.

* Active windmill located 966 ft northwest of location.

enclosures: chloride graphs, photos, lab results, PID field screenings

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

SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 4/11/2005 TITLE Project Scientist

EME A-34 boot

unit 'A', sec. 34, T19S, R36E

undisturbed junction boxes (looking west) 9/13/2004

delineation 5 ft west of junction 10/25/2004

delineation 5 ft north of junction 2/7/2005

backfilling 10 x 15 x 12-ft-deep excavation 2/28/2005

backfill complete 2/28/2005

seeding disturbed surface (looking west) 3/18/2005

EME A-34 boot

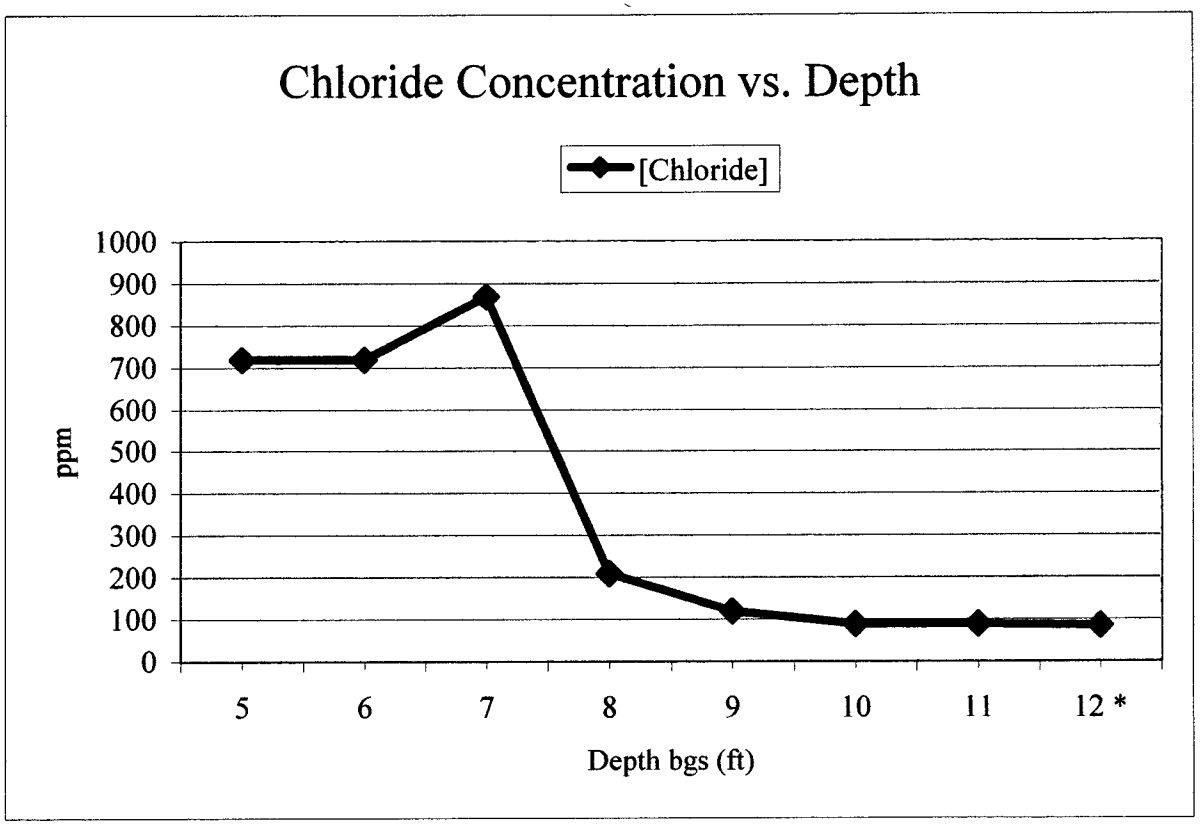
T19S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
5	719
6	719
7	869
8	209
9	119
10	89
11	89
12 *	85.1

* field test = 89 ppm;
lab test = 85.1 ppm

Groundwater = 70 ft



EME A-34 boot

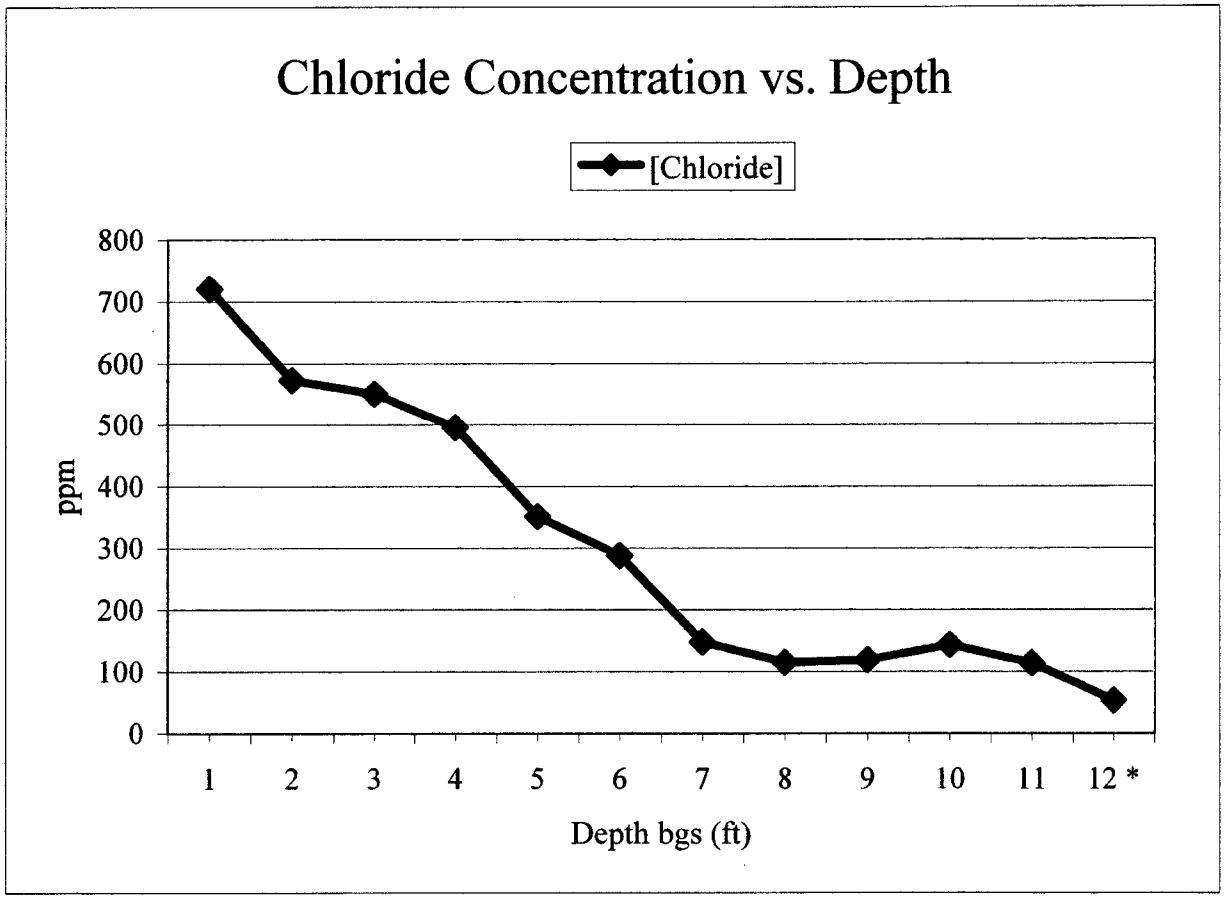
T19S, R36E

5 ft WEST of junction

Depth bgs (ft)	[Cl⁻] ppm
1	721
2	573
3	551
4	496
5	351
6	288
7	148
8	115
9	119
10	143
11	114
12 *	53.2

* field test = 114 ppm;
lab test = 53.2 ppm

Groundwater = 70 ft



ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME A-34

Project Number: None Given

Location: None Given

Lab Order Number: 5B16005

Report Date: 02/21/05

Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp.12'	5B16005-01	Soil	02/10/05 14:00	02/16/05 07:45
4 Wall Comp.	5B16005-02	Soil	02/10/05 14:15	02/16/05 07:45
REMD Backfill	5B16005-03	Soil	02/10/05 14:30	02/16/05 07:45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp.12' (5B16005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB51604	02/16/05	02/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.8 %*	*70-130*		"	"	"	"	
4 Wall Comp. (5B16005-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB51604	02/16/05	02/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.8 %*	*70-130*		"	"	"	"	
REMD Backfill (5B16005-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB51604	02/16/05	02/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.6 %*	*70-130*		"	"	"	"	

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.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp.12' (5B16005-01) Soil									
Chloride	**208**	20.0	mg/kg	40	EB52106	02/18/05	02/18/05	EPA 300.0	
% Moisture	**22.3**	0.1	%	1	EB51701	02/16/05	02/17/05	% calculation	
4 Wall Comp. (5B16005-02) Soil									
Chloride	**228**	20.0	mg/kg	40	EB52106	02/18/05	02/18/05	EPA 300.0	
% Moisture	**13.7**	0.1	%	1	EB51701	02/16/05	02/17/05	% calculation	
REMD Backfill (5B16005-03) Soil									
Chloride	**138**	10.0	mg/kg	20	EB52106	02/18/05	02/18/05	EPA 300.0	
% Moisture	**10.7**	0.1	%	1	EB51701	02/16/05	02/17/05	% calculation	

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Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

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 EB51604 - Solvent Extraction (GC)										
Blank (EB51604-BLK1)				Prepared & Analyzed: 02/16/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.7*		*mg/kg*	*50.0*		*73.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.3*		*"*	*50.0*		*74.6*	*70-130*			
Blank (EB51604-BLK2)				Prepared: 02/16/05 Analyzed: 02/17/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*35.7*		*mg/kg*	*50.0*		*71.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.7*		*"*	*50.0*		*71.4*	*70-130*			
LCS (EB51604-BS1)				Prepared & Analyzed: 02/16/05						
Gasoline Range Organics C6-C12	429	10.0	mg/kg wet	500		85.8	75-125			
Diesel Range Organics >C12-C35	480	10.0	"	500		96.0	75-125			
Total Hydrocarbon C6-C35	909	10.0	"	1000		90.9	75-125			
Surrogate: 1-Chlorooctane	*38.4*		*mg/kg*	*50.0*		*76.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
LCS (EB51604-BS2)				Prepared: 02/16/05 Analyzed: 02/17/05						
Gasoline Range Organics C6-C12	474	10.0	mg/kg wet	500		94.8	75-125			
Diesel Range Organics >C12-C35	461	10.0	"	500		92.2	75-125			
Total Hydrocarbon C6-C35	935	10.0	"	1000		93.5	75-125			
Surrogate: 1-Chlorooctane	*36.9*		*mg/kg*	*50.0*		*73.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.8*		*"*	*50.0*		*77.6*	*70-130*			
Calibration Check (EB51604-CCV1)				Prepared & Analyzed: 02/16/05						
Gasoline Range Organics C6-C12	485		mg/kg	500		97.0	80-120			
Diesel Range Organics >C12-C35	537		"	500		107	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.2*		*"*	*50.0*		*82.4*	*70-130*			

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Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

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 EB51604 - Solvent Extraction (GC)										
Calibration Check (EB51604-CCV2)				Prepared: 02/16/05 Analyzed: 02/17/05						
Gasoline Range Organics C6-C12	463		mg/kg	500		92.6	80-120			
Diesel Range Organics >C12-C35	536		"	500		107	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	*46.3*		"	*50.0*		*92.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.5*		"	*50.0*		*85.0*	*70-130*			
Matrix Spike (EB51604-MS1)		**Source: 5B15007-03**		Prepared: 02/15/05 Analyzed: 02/17/05						
Gasoline Range Organics C6-C12	519	10.0	mg/kg dry	548	ND	94.7	75-125			
Diesel Range Organics >C12-C35	661	10.0	"	548	116	99.5	75-125			
Total Hydrocarbon C6-C35	1180	10.0	"	1100	116	96.7	75-125			
Surrogate: 1-Chlorooctane	*40.5*		*mg/kg*	*50.0*		*81.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.4*		"	*50.0*		*76.8*	*70-130*			
Matrix Spike (EB51604-MS2)		**Source: 5B16012-03**		Prepared: 02/16/05 Analyzed: 02/18/05						
Gasoline Range Organics C6-C12	565	10.0	mg/kg dry	564	ND	100	75-125			
Diesel Range Organics >C12-C35	609	10.0	"	564	ND	108	75-125			
Total Hydrocarbon C6-C35	1170	10.0	"	1130	ND	104	75-125			
Surrogate: 1-Chlorooctane	*43.3*		*mg/kg*	*50.0*		*86.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.7*		"	*50.0*		*71.4*	*70-130*			
Matrix Spike Dup (EB51604-MSD1)		**Source: 5B15007-03**		Prepared: 02/15/05 Analyzed: 02/17/05						
Gasoline Range Organics C6-C12	541	10.0	mg/kg dry	548	ND	98.7	75-125	4.15	20	
Diesel Range Organics >C12-C35	677	10.0	"	548	116	102	75-125	2.39	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1100	116	100	75-125	3.33	20	
Surrogate: 1-Chlorooctane	*38.0*		*mg/kg*	*50.0*		*76.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		"	*50.0*		*75.4*	*70-130*			
Matrix Spike Dup (EB51604-MSD2)		**Source: 5B16012-03**		Prepared: 02/16/05 Analyzed: 02/18/05						
Gasoline Range Organics C6-C12	541	10.0	mg/kg dry	564	ND	95.9	75-125	4.34	20	
Diesel Range Organics >C12-C35	605	10.0	"	564	ND	107	75-125	0.659	20	
Total Hydrocarbon C6-C35	1150	10.0	"	1130	ND	102	75-125	1.72	20	
Surrogate: 1-Chlorooctane	*41.0*		*mg/kg*	*50.0*		*82.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.0*		"	*50.0*		*74.0*	*70-130*			

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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-34	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	02/21/05 16:39

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 EB51701 - General Preparation (Prep)										
Blank (EB51701-BLK1)				Prepared: 02/16/05 Analyzed: 02/17/05						
% Moisture	ND	0.1	%							
Duplicate (EB51701-DUP1)		**Source: 5B16002-01**		Prepared: 02/16/05 Analyzed: 02/17/05						
% Moisture	6.2	0.1	%		6.0			3.28	20	
Batch EB52106 - Water Extraction										
Blank (EB52106-BLK1)				Prepared & Analyzed: 02/18/05						
Chloride	ND	0.500	mg/kg							
LCS (EB52106-BS1)				Prepared & Analyzed: 02/18/05						
Chloride	8.81		mg/L	10.0		88.1	80-120			
LCS Dup (EB52106-BSD1)				Prepared & Analyzed: 02/18/05						
Chloride	8.80		mg/L	10.0		88.0	80-120	0.114	20	
Calibration Check (EB52106-CCV1)				Prepared & Analyzed: 02/18/05						
Chloride	9.00		mg/L	10.0		90.0	80-120			
Duplicate (EB52106-DUP1)		**Source: 5B11018-01**		Prepared & Analyzed: 02/18/05						
Chloride	22.2	5.00	mg/kg		22.2			0.00	20	

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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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: 2-21-05

Raland K. Tuttle, Lab Manager
Celey 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, Inc.

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: Roy Rascon
Company Name: Rice Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs NM 88240
Telephone No: 505 393-9174
Fax No: 505 397-1471
Sampler Signature: Joe Gatt

Project Name: ENE A-34
Project #:
Project Loc:
PO #:

LAB # (lab use only): 58W005

FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH	TOTAL: TPH	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
01 Bottom Comp 12'	2/10/05	200	1	X									X		X			X						
02 4 WALL Comp	2/10/05	215	1	X									X		X			X						
03 REMD Backfill	2/10/05	230	1	X									X		X			X						
														1										

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: -1.0°C
Laboratory Comments: 4oz glass container

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Gatt	2/15/05	4:30			
Relinquished by:	Date	Time	Received by ELOT: From Drop Box	Date	Time
	2-15-05	8:40	Jeanne Mcmurrey	02-16-05	0745

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

Client: Pure Operating

Date/Time: 2/16/15 8:45

Order #: 5B16025

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	~~Yes~~	No	-1.0 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:

_____

_____

_____

_____

_____

_____

_____

_____

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MODEL NO: PGM 76IS
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE AIR

LOT NO: 04-2747
EXP. DATE: 5/17/06
METER READING
ACCURACY: 100. /

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 11/19/04
ACCURACY: +or - 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
FME	A-34	A	34	19	36

All composite samples

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' North	.1		
5' East	.1		
5' South	.1		
10' West	.1		
Bott. Comp 12'	.1		
4 WALL COMP	.1		
REMD. Backfill	.1		

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

Signature Jon Gatt Date 2/10/05