1R - 427 - 155

REPORTS

DATE:

11-15-04

EME Jct. E-26

IR0427-155

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	E-26	E	26	19S	36E	Lea	no box--eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 59 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/1/2004 Date Completed 9/21/2004 OCD Witness No

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 9/8/2004 **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	553
BOTTOM COMP.	0.1	<10.0	<10.0	234
REMED. BACKFILL	0.1	<10.0	<10.0	638

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction	6	1875
	7	1239
	8	1016
	9	1064
	10	1074
	11	543
	12	735
	13	571
	14	458
15 ft *north* of junction	3	1016
	4	1148
	5	970
	6	683
	7	728
	8	715
	9	470
	10	383
	11	486
	12	360
4-wall comp.	n/a	578
bottom comp.	12	386
remed. backfill	n/a	718

General Description of Remedial Action: This junction box was located on a PVC pipeline that has been isolated. The junction was removed and the lines were capped. When the lumber was removed, the box site was delineated using a backhoe while chloride field tests and PID screenings were conducted every foot. All PID readings were 0.1 ppm and chloride concentrations exhibited a significant trend of decline vertically (see graph) and laterally throughout the 30 x 30 x 12-ft-deep excavation. Lab results confirmed TPH concentrations well below NMOCD guidelines. The excavated soils were blended on site and then backfilled into the excavation and contoured to the surrounding surface. The disturbed surface was seeded with a blend of native vegetation on 9/21/2004 and is expected to return to productive capacity at a normal rate. Since the junction has been eliminated, a new box is not required at this site.

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

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

SITE SUPERVISOR Joe Gatts SIGNATURE Joe Gatts COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 11/15/2004 TITLE Project Scientist

EME jct. E-26

unit 'E', Sec. 26, T19S, R36E

undisturbed junction box 8/20/2004

vertical delineation & excavation at junction 9/1/2004

delineation & excavation 15 ft east of junction 9/2/2004

seeding backfilled surface 9/21/2004

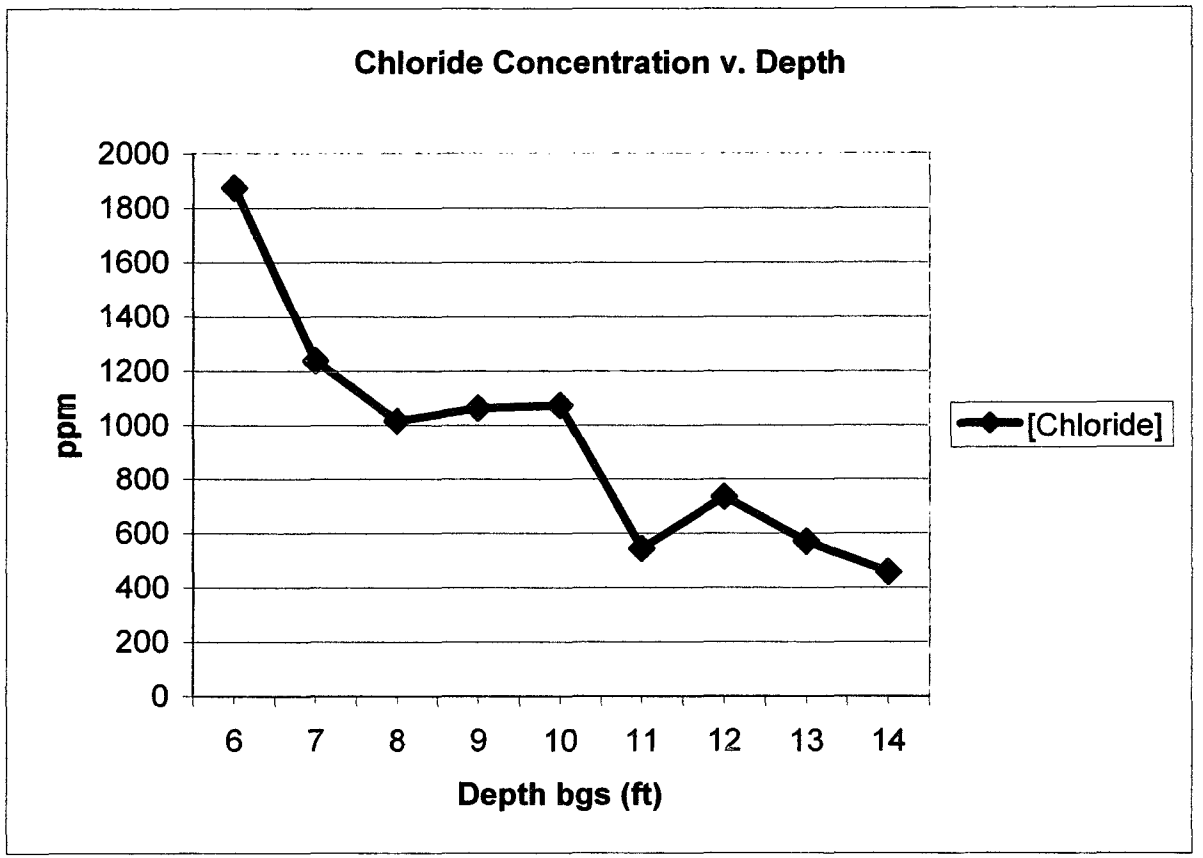
EME jct. E-26

unit 'E', Sec. 26, T19S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
6	1875
7	1239
8	1016
9	1064
10	1074
11	543
12	735
13	571
14	458

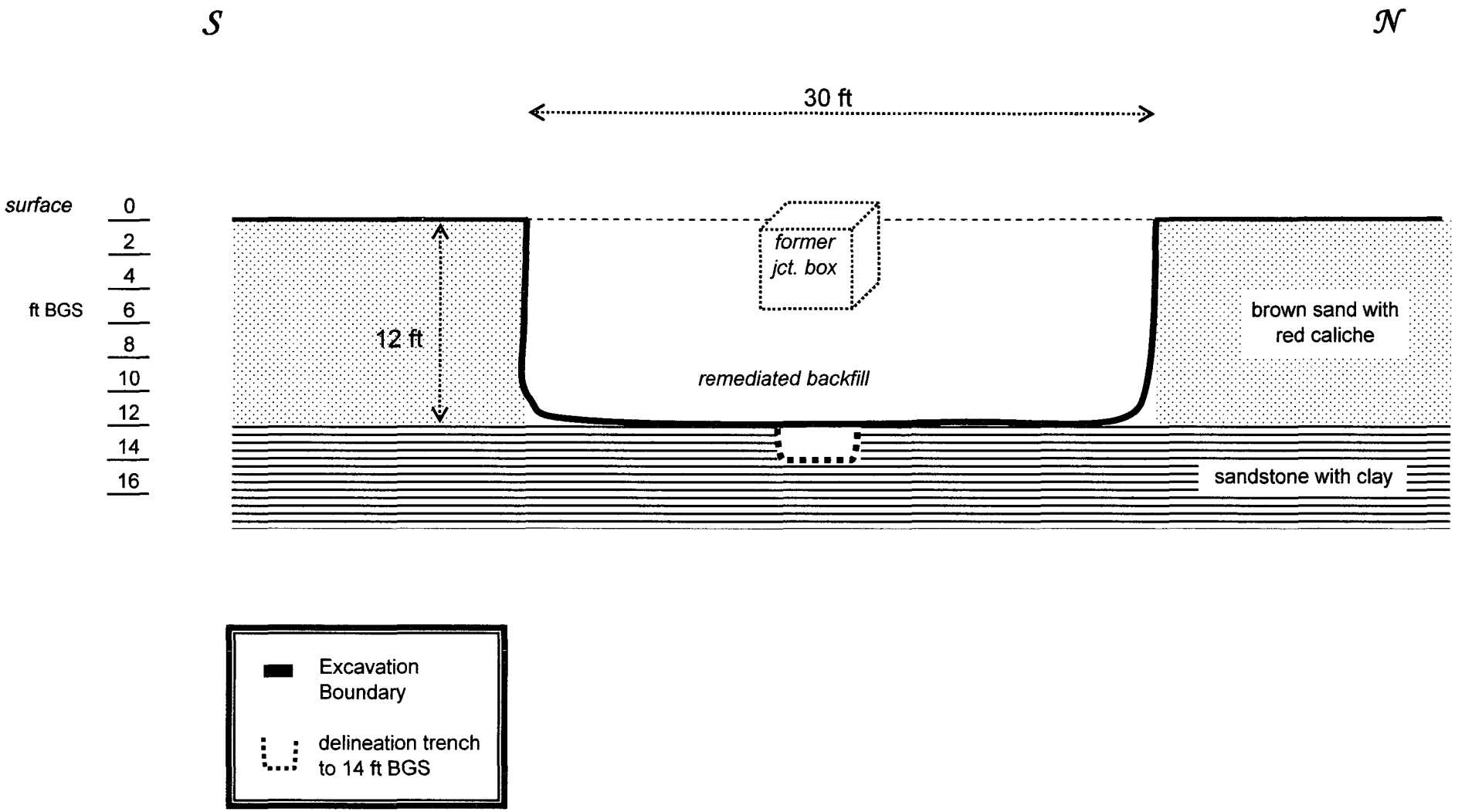
Groundwater = 59 ft



EME jct. E-26

30 x 30 x 12 ft

Excavation Cross-Section



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 E-26
Project Number: None Given
Location: None Given

Lab Order Number: 4I10004

Report Date: 09/15/04

Rice Operating Co.	Project: EME E-26	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/15/04 07:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bott. Comp. at 12' bgs	4I10004-01	Soil	09/08/04 10:30	09/09/04 19:20
4 Wall Comp.	4I10004-02	Soil	09/08/04 10:45	09/09/04 19:20
Remed. Backfill	4I10004-03	Soil	09/08/04 11:00	09/09/04 19:20

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

Rice Operating Co.	Project: EME E-26	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/15/04 07:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp. at 12' bgs (4I10004-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI41006	09/10/04	09/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.2 %*	*70-130*		"	"	"	"	
4 Wall Comp. (4I10004-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI41006	09/10/04	09/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.6 %*	*70-130*		"	"	"	"	
Remed. Backfill (4I10004-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI41006	09/10/04	09/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME E-26	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/15/04 07:57

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp. at 12' bgs (4I10004-01) Soil									
Chloride	**234**	20.0	mg/kg Wet	2	EI41311	09/10/04	09/12/04	SW 846 9253	
% Solids	**98.0**		%	1	EI41401	09/10/04	09/10/04	% calculation	
4 Wall Comp. (4I10004-02) Soil									
Chloride	**553**	20.0	mg/kg Wet	2	EI41311	09/10/04	09/12/04	SW 846 9253	
% Solids	**95.0**		%	1	EI41401	09/10/04	09/10/04	% calculation	
Remed. Backfill (4I10004-03) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EI41311	09/10/04	09/12/04	SW 846 9253	
% Solids	**98.0**		%	1	EI41401	09/10/04	09/10/04	% calculation	

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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 EI41006 - Solvent Extraction (GC)										
Blank (EI41006-BLK1)				Prepared: 09/10/04 Analyzed: 09/13/04						
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	*53.4*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		*"*	*50.0*		*104*	*70-130*			
Blank (EI41006-BLK2)				Prepared: 09/10/04 Analyzed: 09/14/04						
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	*52.0*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.9*		*"*	*50.0*		*85.8*	*70-130*			
LCS (EI41006-BS1)				Prepared: 09/10/04 Analyzed: 09/13/04						
Gasoline Range Organics C6-C12	422	10.0	mg/kg wet	500		84.4	75-125			
Diesel Range Organics >C12-C35	518	10.0	"	500		104	75-125			
Total Hydrocarbon C6-C35	940	10.0	"	1000		94.0	75-125			
Surrogate: 1-Chlorooctane	*50.8*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.8*		*"*	*50.0*		*108*	*70-130*			
LCS (EI41006-BS2)				Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	445	10.0	mg/kg wet	500		89.0	75-125			
Diesel Range Organics >C12-C35	495	10.0	"	500		99.0	75-125			
Total Hydrocarbon C6-C35	940	10.0	"	1000		94.0	75-125			
Surrogate: 1-Chlorooctane	*60.5*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.6*		*"*	*50.0*		*75.2*	*70-130*			
Calibration Check (EI41006-CCV1)				Prepared: 09/10/04 Analyzed: 09/13/04						
Gasoline Range Organics C6-C12	467		mg/kg	500		93.4	80-120			
Diesel Range Organics >C12-C35	564		"	500		113	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	*50.7*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		*"*	*50.0*		*106*	*70-130*			

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 EI41006 - Solvent Extraction (GC)										
Calibration Check (EI41006-CCV2)				Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	477		mg/kg	500		95.4	80-120			
Diesel Range Organics >C12-C35	554		"	500		111	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	*52.2*		*"*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.3*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (EI41006-MS1)		**Source: 4I10008-02**		Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg dry	505	ND	82.6	75-125			
Diesel Range Organics >C12-C35	519	10.0	"	505	ND	103	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1010	ND	92.7	75-125			
Surrogate: 1-Chlorooctane	*46.4*		*mg/kg*	*50.0*		*92.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.1*		*"*	*50.0*		*94.2*	*70-130*			
Matrix Spike (EI41006-MS2)		**Source: 4I10018-07**		Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg dry	500	ND	83.4	75-125			
Diesel Range Organics >C12-C35	499	10.0	"	500	ND	99.8	75-125			
Total Hydrocarbon C6-C35	916	10.0	"	1000	ND	91.6	75-125			
Surrogate: 1-Chlorooctane	*49.3*		*mg/kg*	*50.0*		*98.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.6*		*"*	*50.0*		*85.2*	*70-130*			
Matrix Spike Dup (EI41006-MSD1)		**Source: 4I10008-02**		Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	444	10.0	mg/kg dry	505	ND	87.9	75-125	6.27	20	
Diesel Range Organics >C12-C35	523	10.0	"	505	ND	104	75-125	0.768	20	
Total Hydrocarbon C6-C35	967	10.0	"	1010	ND	95.7	75-125	3.26	20	
Surrogate: 1-Chlorooctane	*45.9*		*mg/kg*	*50.0*		*91.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.7*		*"*	*50.0*		*95.4*	*70-130*			
Matrix Spike Dup (EI41006-MSD2)		**Source: 4I10018-07**		Prepared: 09/10/04 Analyzed: 09/14/04						
Gasoline Range Organics C6-C12	433	10.0	mg/kg dry	500	ND	86.6	75-125	3.76	20	
Diesel Range Organics >C12-C35	533	10.0	"	500	ND	107	75-125	6.59	20	
Total Hydrocarbon C6-C35	966	10.0	"	1000	ND	96.6	75-125	5.31	20	
Surrogate: 1-Chlorooctane	*51.8*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.7*		*"*	*50.0*		*93.4*	*70-130*			

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Rice Operating Co.	Project: EME E-26	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/15/04 07:57

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 EI41311 - Water Extraction										
Blank (EI41311-BLK1)				Prepared: 09/09/04 Analyzed: 09/12/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EI41311-MS1)		**Source: 4I09005-01**		Prepared: 09/09/04 Analyzed: 09/12/04						
Chloride	3030	20.0	mg/kg Wet	500	2550	96.0	80-120			
Matrix Spike Dup (EI41311-MSD1)		**Source: 4I09005-01**		Prepared: 09/09/04 Analyzed: 09/12/04						
Chloride	3080	20.0	mg/kg Wet	500	2550	106	80-120	1.64	20	
Reference (EI41311-SRM1)				Prepared & Analyzed: 09/12/04						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EI41401 - General Preparation (Prep)										
Blank (EI41401-BLK1)				Prepared & Analyzed: 09/10/04						
% Solids	100		%							
Duplicate (EI41401-DUP1)		**Source: 4I10004-01**		Prepared & Analyzed: 09/10/04						
% Solids	95.0		%		98.0			3.11	20	

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: 9-15-04

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 Biezugbe, Lab Tech.

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: EME E-26
Project #:
Project Loc:
PO #:

4I10004

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers 4oz glass	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TDS/CL/SAR/EC	TPH 418.1	TOTAL: 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	Bott Comp at 12' bgs	9/8/04	10:30	1	X									X		X			X						
-02	4 WALL Comp	9/8/04	10:45	1	X									X		X			X						
-03	REMD. BACKFILL	9/8/04	11:00	1	X									X		X			X						

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: Ice 4.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Gatt	9/8/04	4:30		9/9	16:15
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	9/9	1920		9-09-04	1920

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

Client: Rice Operating Co.

Date/Time: 09-10-04 @ 0900

Order #: 4I10004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4.0 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:

_____

_____

_____

_____

_____

_____

_____

_____

RICE OPERATING COMPANY

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

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: 104412
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 02-22-30 FILL DATE: 5/20/03
EXP. DATE: 11/20/04 ACCURACY: + or - 2%
METER READING
ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	E-26	E	26	19	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
15' N. WALL	0.1		
15' S. WALL	0.1		
15' E. WALL	0.1		
15' W. WALL	0.1		
Bott Comp 12'	0.1		
4 WALL COMP	0.1		
REMD. BACKFIL	0.1		

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

Joe Gatt — Signature
Environmental Tech — Title
9/8/04 — Date