

1R - 426-117

REPORTS

DATE:

2006

BD oxy Oiler "A"

P-35-2A

P-35-2B

IR-426-117

RECEIVED

APR - 3 1987

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
BD	Oxy Owen 'A', P-35-2A, P-35-2B (3 boxes)	P	35	21S	37E	Lea	all boxes eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Geraldine Osborn OTHER _____

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

Date Started 3/30/2006 Date Completed 5/12/2006 NMOCD Witness no

Soil Excavated 731 cubic yards Excavation Length 47 Width 35 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 4/18/2006 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	Total Hydrocarbon (C6-C35) mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	1820	317
BOTTOM COMP.	0.1	2220	818
BACKFILL	0.7	4190	443

SAMPLE LOCATION	DEPTH ft	CHLORID E mg/kg
4-wall comp.	n/a	306
bottom comp.	12	394
backfill comp.	n/a	302

General Description of Remedial Action:

This area included 3 junction boxes with a very close proximity and approx. 12 ft east of the fence of a production battery. These boxes were delineated for chloride and hydrocarbon using a backhoe which collected samples at regular intervals producing a 47 x 35 x 12-ft-deep excavation that encompassed the former locations of the 3 boxes. Chloride concentrations varied throughout the excavation from a low of 271 to a maximum of 2609 ppm using a field titration method. PID field screenings also yielded a wide range of concentrations. 12-ft bottom, 4-wall, and backfill composite samples were collected for laboratory analysis; NMOCD TPH concentration guidelines were not met. The excavated soils were blended on site and then backfilled back into the excavation and contoured to the surrounding terrain. An identification plate was placed on the surface of this site to mark the location for future environmental considerations. NMOCD was notified of potential groundwater impact at this site on 5/15/2006. All three boxes in this area have been eliminated with the pipeline replacement program.

ADDITIONAL EVALUATION IS HIGH PRIORITY

* There are some water wells within 1000 ft of this site, however, all are inactive. All nearby homes are on City water enclosures: photos, lab results, PID field screenings, chloride graphs

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 6/6/2006 TITLE Project Scientist

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

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: 1-19-07
 METER READING ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	OXY OWEN "A" EOL	P	35-	215	37E

SAMPLE	PID Results	Sample	PID Results
Bottom	0.1		
4 Wall Comp.	0.1		
N. Wall	0.0		
S. Wall	0.1		
E. Wall	0.7		
W. Wall	14.3		
2nd 4 Wall			
Blended Backfill	.07		
2nd 4 wall test was run again. Darnell M. had some Doubt as to the 1st one, and wanted to ck again. Roy R. Pascon 7-18-06			

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

SIGNATURE: Darnell Mitchell

DATE: 4-18-06

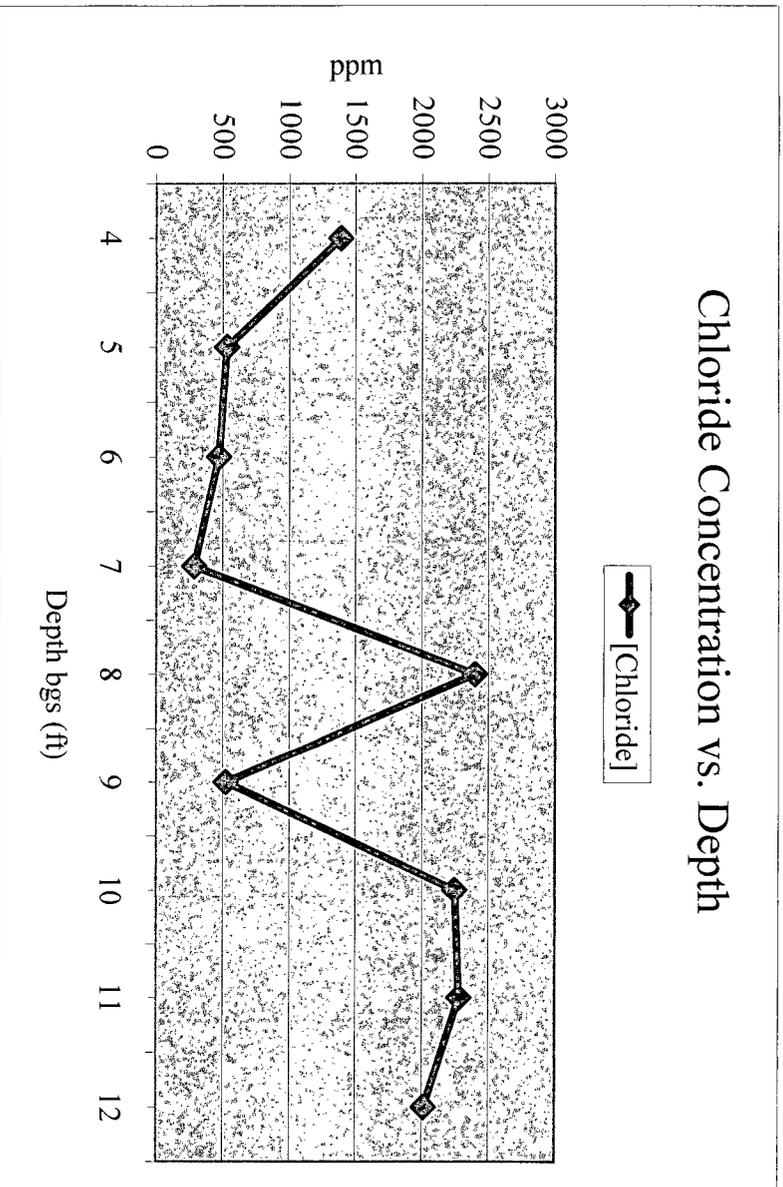
BD Oxy Owen 'A' EOL

unit 'P', Sec. 35, T21S, R37E

5 ft south of junction

Depth bgs (ft)	[Cl] ppm
4	1389
5	530
6	471
7	286
8	2399
9	523
10	2247
11	2278
12	2015

Groundwater = 50 ft



BD Oxy Owen 'A' EOL

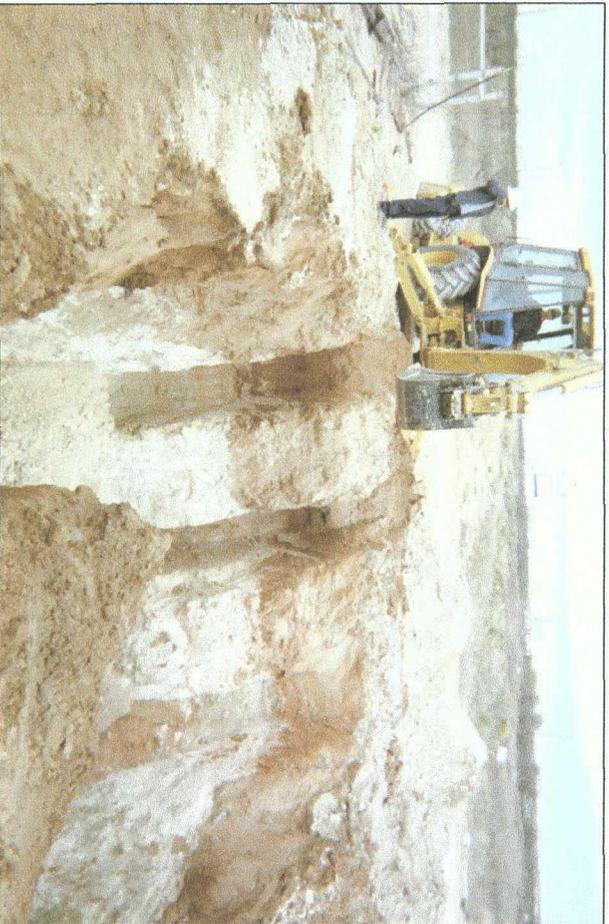
Unit 'P', Sec. 35, T21S, R37E



undisturbed junction boxes



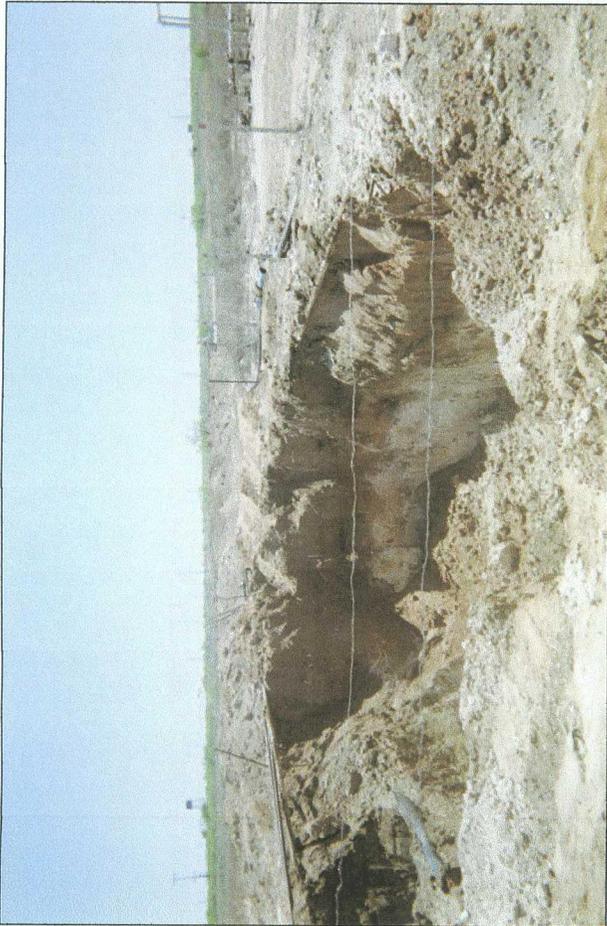
boxes removed; NORM decontaminated



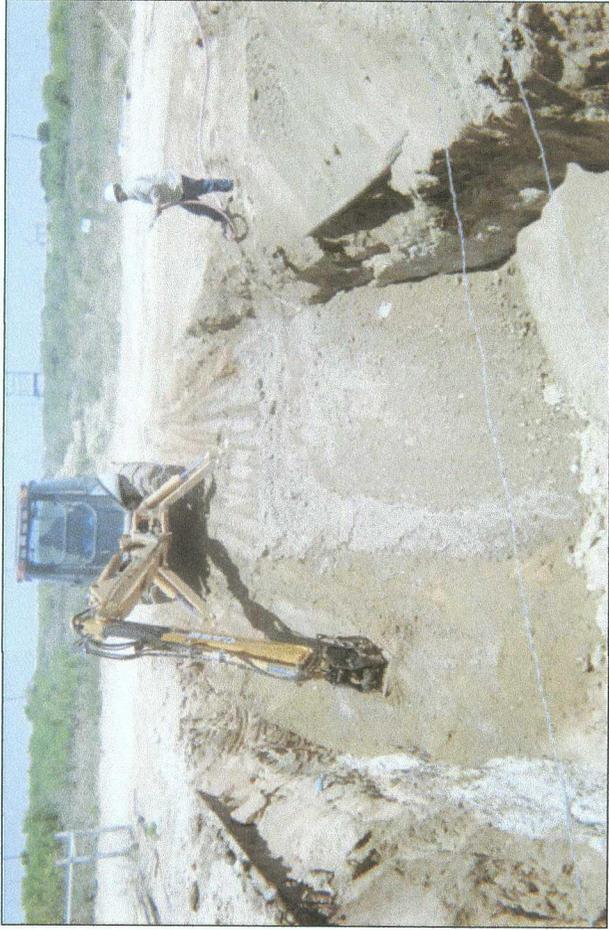
delineation and excavation April 2006



delineation and excavation April 2006



47 x 35 x 12-ft-deep excavation



compacting backfill

May 2006



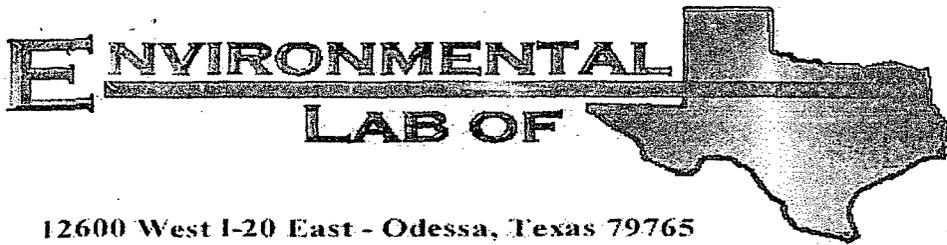
backfilling excavation

May 2006



backfilling complete

May 2006



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

COPY

Project: BD Oxy Owen A EOL

Project Number: None Given

Location: None Given

Lab Order Number: 6D21010

Report Date: 04/26/06

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/06 17:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Blended Backfill	6D21010-01	Soil	04/18/06 10:30	04/21/06 16:50
5 pt Bttm @ 12'	6D21010-02	Soil	04/18/06 10:00	04/21/06 16:50
4 Wall Comp. @ 35 X 47	6D21010-03	Soil	04/18/06 10:15	04/21/06 16:50

101

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/06 17:01

**Organics by GC
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Blended Backfill (6D21010-01) Soil									
Carbon Ranges C6-C12	515	10.0	mg/kg dry	1	ED62407	04/24/06	04/25/06	EPA 8015M	
Carbon Ranges C12-C28	3160	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	518	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	4190	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		114 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		117 %	70-130		"	"	"	"	
5 pt Bttm @ 12' (6D21010-02) Soil									
Carbon Ranges C6-C12	323	10.0	mg/kg dry	1	ED62407	04/24/06	04/25/06	EPA 8015M	
Carbon Ranges C12-C28	1670	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	230	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2220	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		110 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-130		"	"	"	"	
4 Wall Comp. @ 35 X 47 (6D21010-03) Soil									
Carbon Ranges C6-C12	272	10.0	mg/kg dry	1	ED62407	04/24/06	04/25/06	EPA 8015M	
Carbon Ranges C12-C28	1350	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	199	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1820	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		92.2 %	70-130		"	"	"	"	

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

Project: BD Oxy Owen A EOL
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Reported:
04/26/06 17:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Blended Backfill (6D21010-01) Soil									
Chloride	443	10.0	mg/kg	20	ED62506	04/25/06	04/25/06	EPA 300.0	
% Moisture	5.7	0.1	%	1	ED62502	04/24/06	04/25/06	% calculation	
5 pt Bttm @ 12' (6D21010-02) Soil									
Chloride	818	10.0	mg/kg	20	ED62506	04/25/06	04/25/06	EPA 300.0	
% Moisture	8.9	0.1	%	1	ED62502	04/24/06	04/25/06	% calculation	
4 Wall Comp. @ 35 X 47 (6D21010-03) Soil									
Chloride	317	10.0	mg/kg	20	ED62506	04/25/06	04/25/06	EPA 300.0	
% Moisture	5.8	0.1	%	1	ED62502	04/24/06	04/25/06	% calculation	

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/06 17:01

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
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Batch ED62407 - Solvent Extraction (GC)

Blank (ED62407-BLK1)

Prepared: 04/24/06 Analyzed: 04/25/06

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	41.0		mg/kg	50.0		82.0	70-130			
Surrogate: 1-Chlorooctadecane	43.5		"	50.0		87.0	70-130			

LCS (ED62407-BS1)

Prepared & Analyzed: 04/24/06

Carbon Ranges C6-C12	464	10.0	mg/kg wet	500		92.8	75-125			
Carbon Ranges C12-C28	479	10.0	"	500		95.8	75-125			
Total Hydrocarbon C6-C35	943	10.0	"	1000		94.3	75-125			
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	70-130			
Surrogate: 1-Chlorooctadecane	43.2		"	50.0		86.4	70-130			

Calibration Check (ED62407-CCV1)

Prepared: 04/24/06 Analyzed: 04/25/06

Carbon Ranges C6-C12	220		mg/kg	250		88.0	80-120			
Carbon Ranges C12-C28	288		"	250		115	80-120			
Total Hydrocarbon C6-C35	508		"	500		102	80-120			
Surrogate: 1-Chlorooctane	45.4		"	50.0		90.8	70-130			
Surrogate: 1-Chlorooctadecane	44.7		"	50.0		89.4	70-130			

Matrix Spike (ED62407-MS1)

Source: 6D21011-01

Prepared: 04/24/06 Analyzed: 04/25/06

Carbon Ranges C6-C12	515	10.0	mg/kg dry	541	5.00	94.3	75-125			
Carbon Ranges C12-C28	535	10.0	"	541	18.3	95.5	75-125			
Total Hydrocarbon C6-C35	1050	10.0	"	1080	18.3	95.5	75-125			
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	47.1		"	50.0		94.2	70-130			

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
04/26/06 17:01

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
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Batch ED62407 - Solvent Extraction (GC)

Matrix Spike Dup (ED62407-MSD1)

Source: 6D21011-01

Prepared: 04/24/06

Analyzed: 04/25/06

Carbon Ranges C6-C12	521	10.0	mg/kg dry	541	5.00	95.4	75-125	1.16	20	
Carbon Ranges C12-C28	535	10.0	"	541	18.3	95.5	75-125	0.00	20	
Total Hydrocarbon C6-C35	1060	10.0	"	1080	18.3	96.5	75-125	0.948	20	
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	46.6		"	50.0		93.2	70-130			

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
04/26/06 17:01

**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 ED62502 - General Preparation (Prep)										
Blank (ED62502-BLK1) Prepared: 04/24/06 Analyzed: 04/25/06										
% Moisture	ND	0.1	%							
Duplicate (ED62502-DUP1) Source: 6D21010-01 Prepared: 04/24/06 Analyzed: 04/25/06										
% Solids	94.3		%		94.3			0.00	20	
Batch ED62506 - Water Extraction										
Blank (ED62506-BLK1) Prepared & Analyzed: 04/25/06										
Chloride	ND	0.500	mg/kg							
LCS (ED62506-BS1) Prepared & Analyzed: 04/25/06										
Chloride	8.95	0.500	mg/kg	10.0		89.5	80-120			
Calibration Check (ED62506-CCV1) Prepared & Analyzed: 04/25/06										
Chloride	8.99		mg/L	10.0		89.9	80-120			
Duplicate (ED62506-DUP1) Source: 6D21010-02 Prepared & Analyzed: 04/25/06										
Chloride	824	10.0	mg/kg		818			0.731	20	

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

Project: BD Oxy Owen A EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/06 17:01

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: Raland K Tuttle Date: 4-27-06

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

ent: Rice Operating

ite/Time: 04-21-06 @ 1650

der #: 6D21010

tials: JMM

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 regarding: _____

Corrective Action Taken:

