

1R - 426-4

REPORTS

DATE:

4/10/2003

1R0426-4

M-26-1

POZ → 158124

3/11/04

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Blinebry-Drinkard	M-26-1	M	26	21 S	37 E	Lea	No Box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/12/2003 Date Completed 4/1/2003 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 3/17/2003 Sample Depth 12' bgs

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	1900
BOTTOM	<0.025	<0.025	0.334	0.674	114	867	851
REMEDIATED	<0.025	<0.025	<0.025	0.070	26	324	248

General Description of Remedial Action: This junction box location was delineated for TPH and chlorides producing a 30' x 30' x 12'bgs excavation. TPH impact was consistently visible down to 12' bgs. The vertical and lateral extent of chloride impact was not found either. A 20 mil poly liner was installed in the excavation and extended up the walls to inhibit further impact migration. The excavated soil was blended, backfilled into the liner, and then contoured to the surrounding landscape. The disturbed area has since been reseeded with native vegetation and is expected to return to productive capacity at a normal rate. A junction box is no longer required at this location.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
bottom comp	12	700
wall comp.	n/a	1900
remed. comp.	n/a	300

cc: lab results, photos

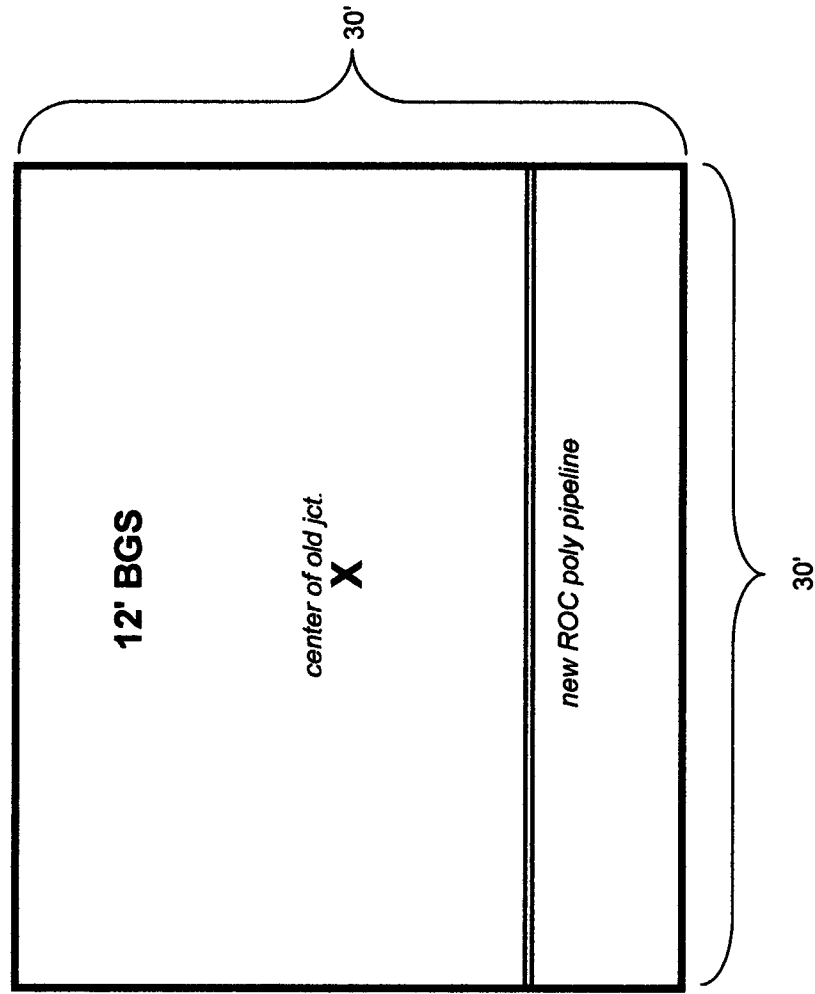
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 4/10/2003 PRINTED NAME Kristin Farris
SIGNATURE Kristin Farris TITLE Project Scientist

BD jct. M-26-1
30' x 30' x 12' Excavation

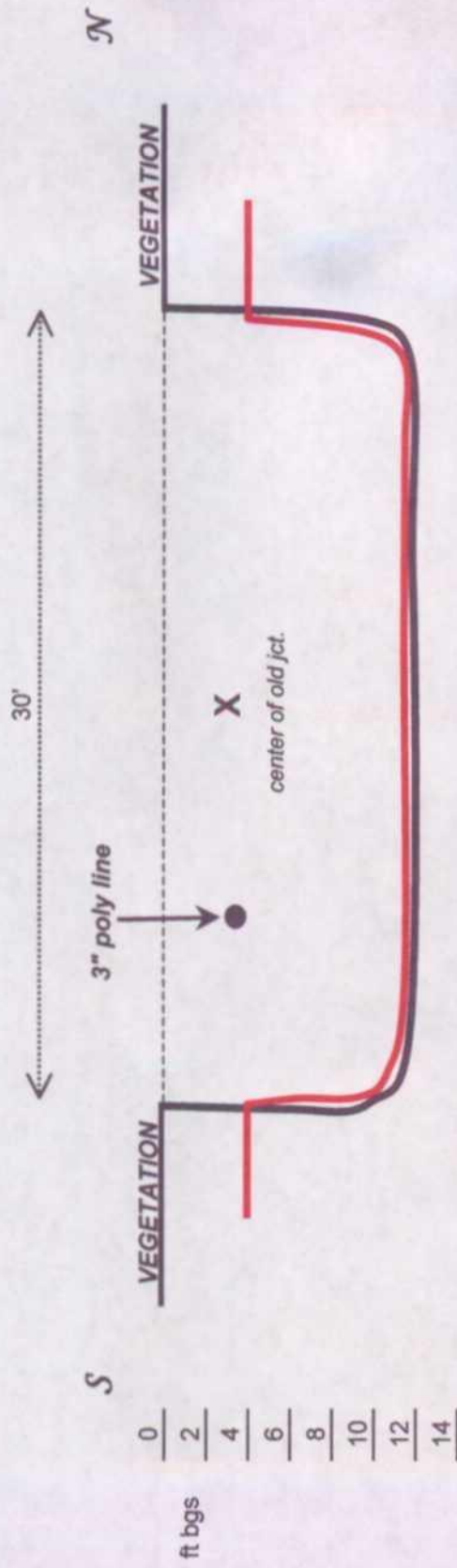
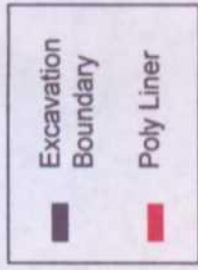


R O A D



THE AREA AROUND THE OLD JCT. BOX LOCATION WAS VEGETATED. A 69' X 106' SURFACE AREA WAS DISTURBED BY THE REMEDIATION. THIS AREA WAS RE-SEEDED WITH NATIVE VEGETATION.

**BD jct. M-26-1
Impact Excavation
Cross-Section**



SURFACE HAS BEEN RE-SEEDED WITH NATIVE VEGETATION

BD jct. M-26-1



Excavation



Poly Liner Installed

BD jct. M-26-1



Backfilling Into Liner



Backfilled

ANALYTICAL REPORT

Prepared for:

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Project: M-26-1

PO#:

Order#: G0306157

Report Date: 04/08/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0306157
Project:
Project Name: M-26-1
Location: BD

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306157-01	Rem. Pile Comp.	SOIL	4/1/03 16:00	4/3/03 9:30	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	7 C		
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306157
Project:
Project Name: M-26-1
Location: BD

Lab ID: 0306157-01
Sample ID: Rem. Pile Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/4/03 14:03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	26.0	10.0
DRO, >C12-C35	324	10.0
TOTAL, C6-C35	350	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	107%	70	130
1-Chlorooctadecane	125%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005140-02		4/4/03 11:33	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	0.045	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	105%	80	120
Bromofluorobenzene	106%	80	120

Approval:

Raland K. Tuttle 4-08-03
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristia Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306157
Project:
Project Name: M-26-1
Location: BD

Lab ID: 0306157-01
Sample ID: Rem. Pile Comp.

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	248	mg/kg	1	20	9253	4/7/03	CK

Approval:

Raland K. Tuttle 4-0803
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0306157

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	1070	112.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	964	101.3%	10.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-05		1000	997	99.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306157

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-02			<0.025		
Toluene-mg/kg		0005140-02			<0.025		
Ethylbenzene-mg/kg		0005140-02			<0.025		
p/m-Xylene-mg/kg		0005140-02			<0.025		
o-Xylene-mg/kg		0005140-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.102	102.0%	
Toluene-mg/kg		0306165-02	0	0.1	0.104	104.0%	
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.105	105.0%	
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.219	109.5%	
o-Xylene-mg/kg		0306165-02	0	0.1	0.105	105.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.105	105.0%	2.9%
Toluene-mg/kg		0306165-02	0	0.1	0.107	107.0%	2.8%
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.110	110.0%	4.7%
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.229	114.5%	4.5%
o-Xylene-mg/kg		0306165-02	0	0.1	0.111	111.0%	5.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-05		0.1	0.091	91.0%	
Toluene-mg/kg		0005140-05		0.1	0.094	94.0%	
Ethylbenzene-mg/kg		0005140-05		0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0005140-05		0.2	0.216	108.0%	
o-Xylene-mg/kg		0005140-05		0.1	0.097	97.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306157

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-04		5000	4870	97.4%	

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

~~Tegan Anderson~~ Kristin Farris

Project Name:

17-26-1

Rice Operating

Project #:

122 W Taylor

Project Loc:

60

Hobbs, NM 88240

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(505) 393-9174

Fax No: (505) 397-1471

[Signature]

[illegible]

ANALYTICAL REPORT

Prepared for:

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Project: M-26-1
PO#: 755
Order#: G0306015
Report Date: 03/24/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0306015
Project:
Project Name: M-26-1
Location: BD

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306015-01	Bottom Comp. @ 12'	SOIL	3/17/03 10:00	3/18/03 19:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: 2 C			
	8015M					
	8021B/5030 BTEX					
	Chloride					
0306015-02	Wall Comp.	SOIL	3/17/03 10:00	3/18/03 19:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: 2 C			
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306015
Project:
Project Name: M-26-1
Location: BD

Lab ID: 0306015-01
Sample ID: Bottom Comp. @ 12'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		3/20/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	114	10.0
DRO, >C12-C35	867	10.0
TOTAL, C6-C35	981	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	97%	70	130
1-Chlorooctadecane	99%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005022-02		3/21/03 17:39	1	25	RKT	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	0.334	0.025
p/m-Xylene	0.472	0.025
o-Xylene	0.202	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	116%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306015
Project:
Project Name: M-26-1
Location: BD

Lab ID: 0306015-02
Sample ID: Wall Comp.

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		3/20/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	96%	70	130
1-Chlorooctadecane	95%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0005022-02		3/21/03 17:59	1	25	RKT	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	115%	80	120

Approval: *Raland K. Tuttle* 3-25-03
 Raland K. Tuttle, Lab Director, QA Officer Date
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Biezugbe, Lab Tech.
 Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306015
Project:
Project Name: M-26-1
Location: BD

Lab ID: 0306015-01
Sample ID: Bottom Comp. @ 12'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	851	mg/kg	1	20	9253	3/20/03	SB

Lab ID: 0306015-02
Sample ID: Wall Comp.

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	1900	mg/kg	1	20	9253	3/20/03	SB

Approval:

Raland K. Tuttle 3-25-03
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****8015M****Order#: G0306015**

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004990-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004990-03		952	885	93.3%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004990-04		952	945	99.3%	6.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004990-05		1000	846	84.6%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306015

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005022-02			<0.025		
Toluene-mg/kg		0005022-02			<0.025		
Ethylbenzene-mg/kg		0005022-02			<0.025		
p/m-Xylene-mg/kg		0005022-02			<0.025		
o-Xylene-mg/kg		0005022-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306012-01	0	2.5	2.53	101.2%	
Toluene-mg/kg		0306012-01	0	2.5	2.68	107.2%	
Ethylbenzene-mg/kg		0306012-01	0	2.5	2.76	110.4%	
p/m-Xylene-mg/kg		0306012-01	0	5	5.70	114.%	
o-Xylene-mg/kg		0306012-01	0	2.5	2.83	113.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306012-01	0	2.5	2.47	98.8%	2.4%
Toluene-mg/kg		0306012-01	0	2.5	2.60	104.%	3.%
Ethylbenzene-mg/kg		0306012-01	0	2.5	2.61	104.4%	5.6%
p/m-Xylene-mg/kg		0306012-01	0	5	5.42	108.4%	5.%
o-Xylene-mg/kg		0306012-01	0	2.5	2.64	105.6%	6.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005022-05		0.1	0.107	107.%	
Toluene-mg/kg		0005022-05		0.1	0.112	112.%	
Ethylbenzene-mg/kg		0005022-05		0.1	0.109	109.%	
p/m-Xylene-mg/kg		0005022-05		0.2	0.224	112.%	
o-Xylene-mg/kg		0005022-05		0.1	0.104	104.%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0306015

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004978-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305982-01	478	500	939	92.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305982-01	478	500	957	95.8%	1.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004978-04		5000	4960	99.2%	

12500 West 4-20 East
Odessa, Texas 79763

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

M-26-1

Project #:

Project Loc:

PO #: 755

Fax No: (505) 397-1471

Kristin Davis

[illegible]