

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Chevron Midcontinent LP	Contact	Larry Ridenour
Address	HCR 60 Box 423 Lovington, NM 88260	Telephone No.	505-396-4414 x128
Facility Name	Lovington Paddock Unit #87	Facility Type	Oil well

Surface Owner	City of Lovington	Mineral Owner	State	Lease No.	23220
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LOCATION OF RELEASE API # 3002531108000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	36	16S	36E		South		East	Lea

Latitude 32.88257 Longitude W 103.3038

NATURE OF RELEASE

Type of Release	Crude oil and produced water	Volume of Release	1 bbl oil and 5 bbl water	Volume Recovered	1/2 bbl
Source of Release	hole in 2 1/2" flowline	Date and Hour of Occurrence	05/30/07 10:00 am	Date and Hour of Discovery	05/30/07 10:00 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Pat Caperton (left message on answering machine)		
By Whom?	Larry Williams	Date and Hour	05/30/07 11:30 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
 Expect root cause will be external corrosion to 2 1/2" steel flow line. Well was shut in at the time of leak.
 Chlorides 35,000 ppm Oil gravity 33.9
 Had roustabout gang pick up standing fluid with vacuum trailer. Did emergency one call and picked up wet soil on location. Hauled contaminated soil to Sundance.
 Called and left message on Kirt voice mail that works for the City of Lovington as well.

Describe Area Affected and Cleanup Action Taken.*
 Affected area approximately 65' x 60'.
 Affected area was marked with flags. One call will be done and contaminated soil down to rock will be removed. Once the soil has been removed samples will be taken to check for extent of remaining contaminated soil. Contaminated soil will be replaced with fresh soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<i>Larry Williams</i>		
Printed Name:	Larry Williams	OIL CONSERVATION DIVISION	
Title:	HES Specialist	Approved by District Supervisor:	<i>E. Edge</i>
E-mail Address:	lcwl@Chevron.com	Approval Date:	6.4.07
Date:	5/30/07	Expiration Date:	8.4.07
Phone:	505-396-4414 x128	Conditions of Approval:	Attached <input type="checkbox"/>
Final C-141 w/Documentation by			

* Attach Additional Sheets If Necessary

Approved for backfill
 Jeffrey Deking
 Env. Engr. NMOCD-HOBBS
 04/13/11

RP 1540
 1400

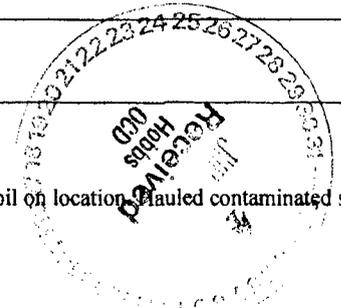


Table 1
CHEVRON USA
LPU #87
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	7/15/2010	0-6"		X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200
AH-2	7/15/2010	0-6"		X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200
AH-3	7/15/2010	0-6"		X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200

BEB Below Excavation Bottom

(--) Not Analyzed

Table 2
CHEVRON USA
LPU #87
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
T-1	8/18/2010	0.5-1'		X		-	-	-	-	-	-	-	<200
T-2	8/18/2010	1-1.5'		X		-	-	-	-	-	-	-	<200
T-3	8/18/2010	1-1.5'		X		-	-	-	-	-	-	-	<200

BEB Below Excavation Bottom

(-) Not Analyzed

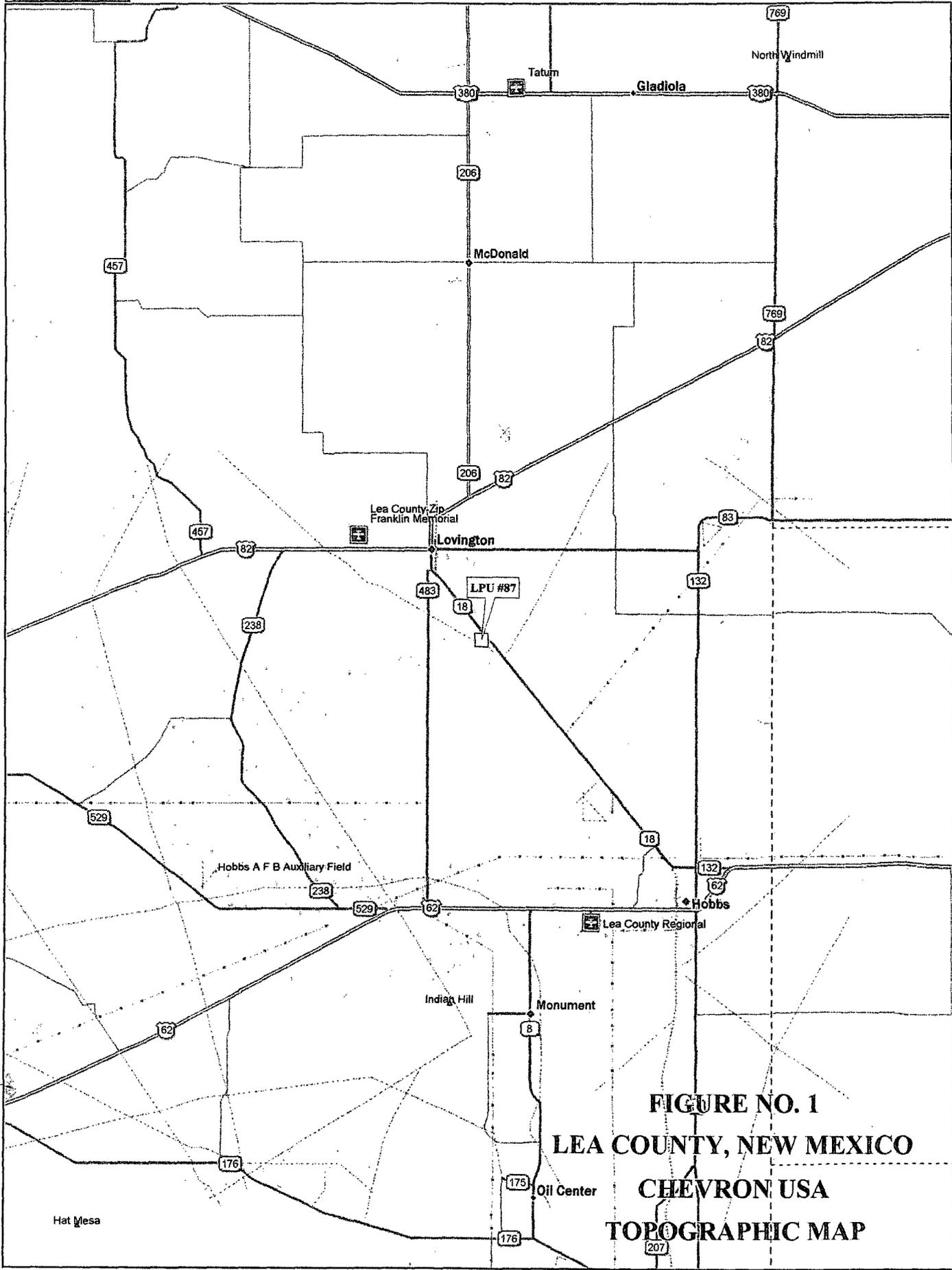


FIGURE NO. 1
LEA COUNTY, NEW MEXICO
CHEVRON USA
TOPOGRAPHIC MAP

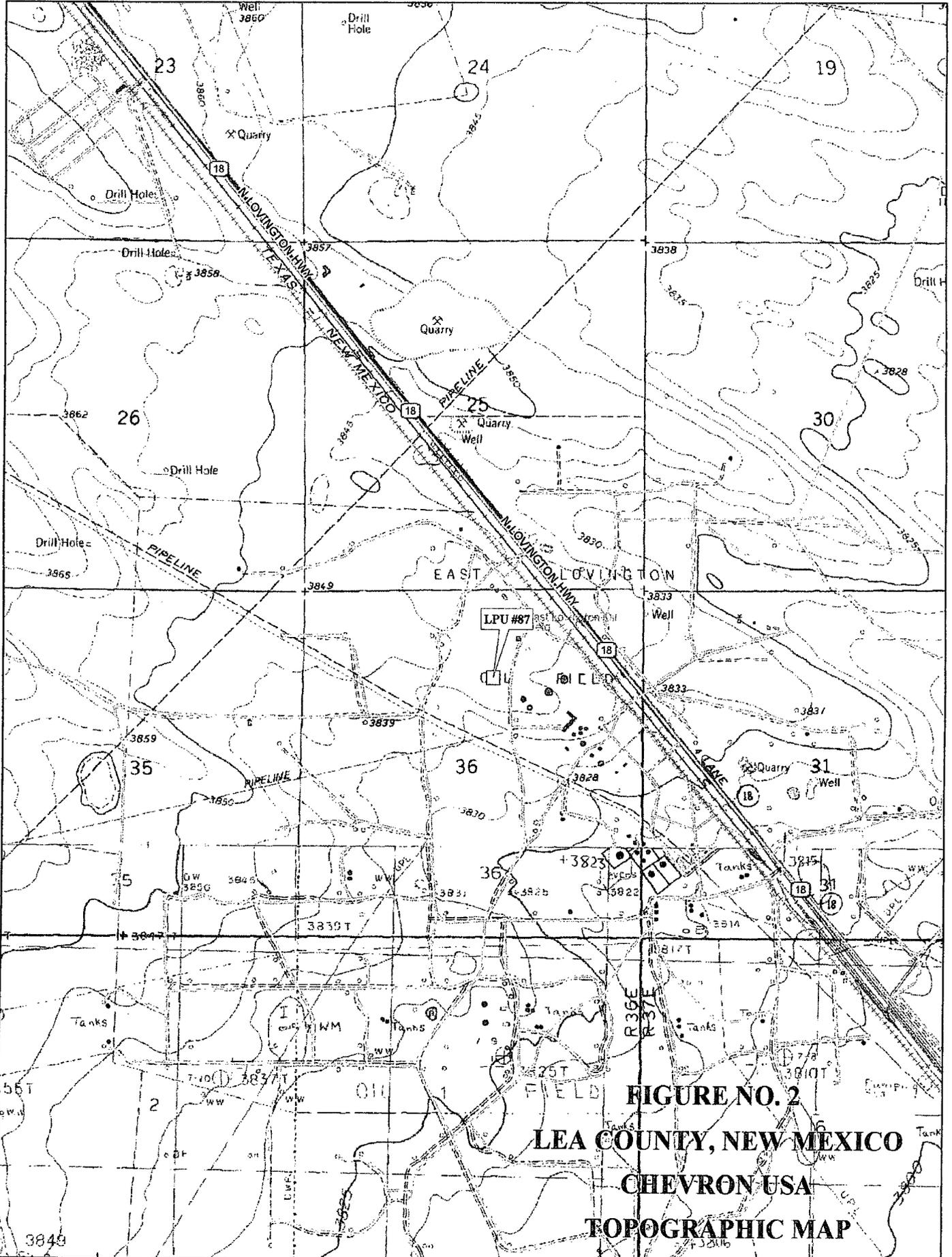
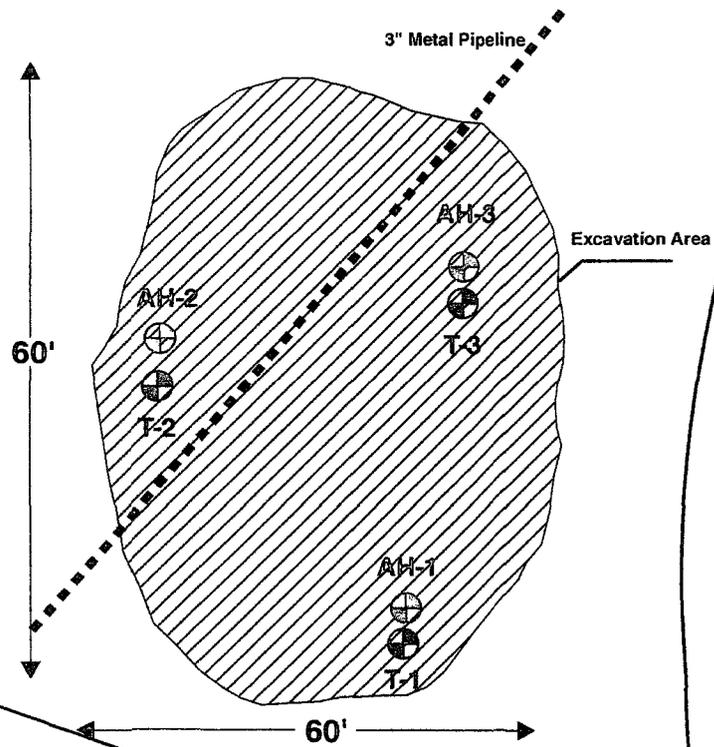


FIGURE NO. 2
LEA COUNTY, NEW MEXICO
CHEVRON USA
TOPOGRAPHIC MAP



Navajo Plant

Explanation	
	Spill Area
	Auger Hole Sample
	Sample Trench
	3" Metal Pipe



NOT TO SCALE

 CHEVRON	
Figure 3 LPU #87	
Chevron Spill Assessment Lea County, New Mexico	
Project : 114-6400599	
Date : 10-5-2010	
File : H:\GIS\6400599	

Summary Report

Ike Tavarez
 Tetra Tech
 1910 N. Big Spring Street
 Midland, TX 79705

Report Date: July 20, 2010

Work Order: 10071917



Project Location: Lea County, NM
 Project Name: LPU #87
 Project Number: 114-6400599

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238010	AH-1 0-6 in.	soil	2010-07-15	00:00	2010-07-19
238011	AH-2 0-6 in.	soil	2010-07-15	00:00	2010-07-19
238012	AH-3 0-6 in.	soil	2010-07-15	00:00	2010-07-19

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
238010 - AH-1 0-6 in.	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238011 - AH-2 0-6 in.	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238012 - AH-3 0-6 in.	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 238010 - AH-1 0-6 in.

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238011 - AH-2 0-6 in.

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238012 - AH-3 0-6 in.

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Ike Tavaraz
 Tetra Tech
 1910 N. Big Spring Street
 Midland, TX, 79705

Report Date: July 20, 2010

Work Order: 10071917



Project Location: Lea County, NM
 Project Name: LPU #87
 Project Number: 114-6400599

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238010	AH-1 0-6 in.	soil	2010-07-15	00:00	2010-07-19
238011	AH-2 0-6 in.	soil	2010-07-15	00:00	2010-07-19
238012	AH-3 0-6 in.	soil	2010-07-15	00:00	2010-07-19

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project LPU #87 were received by TraceAnalysis, Inc. on 2010-07-19 and assigned to work order 10071917. Samples for work order 10071917 were received intact at a temperature of 3.3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	61608	2010-07-19 at 16:00	71883	2010-07-19 at 15:44
Chloride (Titration)	SM 4500-Cl B	61618	2010-07-20 at 08:51	71894	2010-07-20 at 11:55
TPH DRO - NEW	S 8015 D	61591	2010-07-19 at 14:30	71872	2010-07-19 at 14:30
TPH GRO	S 8015 D	61608	2010-07-19 at 16:00	71884	2010-07-19 at 16:29

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10071917 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 238010 - AH-1 0-6 in.

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5035
Analysis: BTEX	Date Analyzed: 2010-07-19	Analyzed By: AG
QC Batch: 71883	Sample Preparation: 2010-07-19	Prepared By: AG
Prep Batch: 61608		

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.65	mg/Kg	1	2.00	82	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.72	mg/Kg	1	2.00	86	38.4 - 157

Sample: 238010 - AH-1 0-6 in.

Laboratory: Midland	Analytical Method: SM 4500-Cl B	Prep Method: N/A
Analysis: Chloride (Titration)	Date Analyzed: 2010-07-20	Analyzed By: AR
QC Batch: 71894	Sample Preparation: 2010-07-20	Prepared By: AR
Prep Batch: 61618		

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238010 - AH-1 0-6 in.

Laboratory: Midland	Analytical Method: S 8015 D	Prep Method: N/A
Analysis: TPH DRO - NEW	Date Analyzed: 2010-07-19	Analyzed By: kg
QC Batch: 71872	Sample Preparation: 2010-07-19	Prepared By: kg
Prep Batch: 61591		

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		88.3	mg/Kg	1	100	88	70 - 130

Sample: 238010 - AH-1 0-6 in.

Laboratory: Midland
 Analysis: TPH GRO
 QC Batch: 71884
 Prep Batch: 61608

Analytical Method: S 8015 D
 Date Analyzed: 2010-07-19
 Sample Preparation: 2010-07-19

Prep Method: S 5035
 Analyzed By: AG
 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.92	mg/Kg	1	2.00	96	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	42 - 159

Sample: 238011 - AH-2 0-6 in.

Laboratory: Midland
 Analysis: BTEX
 QC Batch: 71883
 Prep Batch: 61608

Analytical Method: S 8021B
 Date Analyzed: 2010-07-19
 Sample Preparation: 2010-07-19

Prep Method: S 5035
 Analyzed By: AG
 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.21	mg/Kg	1	2.00	60	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.24	mg/Kg	1	2.00	62	38.4 - 157

Report Date: July 20, 2010
114-6400599

Work Order: 10071917
LPU #87

Page Number: 6 of 15
Lea County, NM

Sample: 238011 - AH-2 0-6 in.

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 71894 Date Analyzed: 2010-07-20 Analyzed By: AR
Prep Batch: 61618 Sample Preparation: 2010-07-20 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238011 - AH-2 0-6 in.

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 71872 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61591 Sample Preparation: 2010-07-19 Prepared By: kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		96.1	mg/Kg	1	100	96	70 - 130

Sample: 238011 - AH-2 0-6 in.

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
QC Batch: 71884 Date Analyzed: 2010-07-19 Analyzed By: AG
Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.40	mg/Kg	1	2.00	70	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	2.00	68	42 - 159

Sample: 238012 - AH-3 0-6 in.

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 71883 Date Analyzed: 2010-07-19 Analyzed By: AG
Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.33	mg/Kg	1	2.00	66	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.35	mg/Kg	1	2.00	68	38.4 - 157

Sample: 238012 - AH-3 0-6 in.

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 71894 Date Analyzed: 2010-07-20 Analyzed By: AR
Prep Batch: 61618 Sample Preparation: 2010-07-20 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238012 - AH-3 0-6 in.

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 71872 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61591 Sample Preparation: 2010-07-19 Prepared By: kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		97.0	mg/Kg	1	100	97	70 - 130

Sample: 238012 - AH-3 0-6 in.

Laboratory: Midland	Analytical Method: S 8015 D	Prep Method: S 5035
Analysis: TPH GRO	Date Analyzed: 2010-07-19	Analyzed By: AG
QC Batch: 71884	Sample Preparation: 2010-07-19	Prepared By: AG
Prep Batch: 61608		

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.53	mg/Kg	1	2.00	76	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.48	mg/Kg	1	2.00	74	42 - 159

Method Blank (1) QC Batch: 71872

QC Batch: 71872	Date Analyzed: 2010-07-19	Analyzed By: kg
Prep Batch: 61591	QC Preparation: 2010-07-19	Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<14.5	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		91.3	mg/Kg	1	100	91	70 - 130

Method Blank (1) QC Batch: 71883

QC Batch: 71883	Date Analyzed: 2010-07-19	Analyzed By: AG
Prep Batch: 61608	QC Preparation: 2010-07-19	Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0150	mg/Kg	0.02
Toluene		<0.00950	mg/Kg	0.02
Ethylbenzene		<0.0106	mg/Kg	0.02
Xylene		<0.00930	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.26	mg/Kg	1	2.00	113	66.6 - 122
4-Bromofluorobenzene (4-BFB)		2.26	mg/Kg	1	2.00	113	55.4 - 132

Standard (CCV-3)

QC Batch: 71883

Date Analyzed: 2010-07-19

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0997	100	80 - 120	2010-07-19
Toluene		mg/Kg	0.100	0.100	100	80 - 120	2010-07-19
Ethylbenzene		mg/Kg	0.100	0.0992	99	80 - 120	2010-07-19
Xylene		mg/Kg	0.300	0.300	100	80 - 120	2010-07-19

Standard (CCV-2)

QC Batch: 71884

Date Analyzed: 2010-07-19

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.993	99	80 - 120	2010-07-19

Standard (CCV-3)

QC Batch: 71884

Date Analyzed: 2010-07-19

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.980	98	80 - 120	2010-07-19

Standard (ICV-1)

QC Batch: 71894

Date Analyzed: 2010-07-20

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.9	99	85 - 115	2010-07-20

Standard (CCV-1)

QC Batch: 71894

Date Analyzed: 2010-07-20

Analyzed By: AR

Report Date: July 20, 2010
114-6400599

Work Order: 10071917
LPU #87

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Lea County, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-07-20-

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 30, 2010

Work Order: 10082310



Project Location: Lea County, NM
Project Name: LPU #87
Project Number: 114-6400599

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
242110	T-1 0.5-1'	soil	2010-08-18	00:00	2010-08-20
242111	T-2 0.5-1'	soil	2010-08-18	00:00	2010-08-20
242112	T-3 1-1.5'	soil	2010-08-18	00:00	2010-08-20

Sample: 242110 - T-1 0.5-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242111 - T-2 0.5-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242112 - T-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Ike Tavarez
 Tetra Tech
 1910 N. Big Spring Street
 Midland, TX, 79705

Report Date: August 30, 2010

Work Order: 10082310



Project Location: Lea County, NM
 Project Name: LPU #87
 Project Number: 114-6400599

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
242110	T-1 0.5-1'	soil	2010-08-18	00:00	2010-08-20
242111	T-2 0.5-1'	soil	2010-08-18	00:00	2010-08-20
242112	T-3 1-1.5'	soil	2010-08-18	00:00	2010-08-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project LPU #87 were received by TraceAnalysis, Inc. on 2010-08-20 and assigned to work order 10082310. Samples for work order 10082310 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	62587	2010-08-26 at 09:39	73010	2010-08-27 at 15:08

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10082310 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 242110 - T-1 0.5-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73010 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62587 Sample Preparation: 2010-08-26 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 242111 - T-2 0.5-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73010 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62587 Sample Preparation: 2010-08-26 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 242112 - T-3 1-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73010 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62587 Sample Preparation: 2010-08-26 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Method Blank (1) QC Batch: 73010

QC Batch: 73010 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62587 QC Preparation: 2010-08-26 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Report Date: August 30, 2010
114-6400599

Work Order: 10082310
LPU #87

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Lea County, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	96.5	96	85 - 115	2010-08-27

WU #: 10052510

Analysis Request of Chain of Custody Record

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TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:
Chevron

SITE MANAGER:
Ike Tavaruz

PROJECT NO.:
14-6400599

PROJECT NAME:
Chevron / LPU # 87

LAB I.D. NUMBER DATE TIME MATRIX COMP GRAB SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION
242110	8/18		S	X		T-1 0.5'-1'
111						T-2 0.5'-1'
112						T-3 1'-1.5'

NUMBER OF CONTAINERS FILTERED (Y/N) PRESERVATIVE METHOD

BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC-MS Vol. 824/826/824	GC-MS Semi. Vol. 8270/825	PCB's 8080/808	Pest. 808/808	<u>Cationic</u>	Gamma Spec.	Alpha Beta (AIR)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
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RELINQUISHED BY: (Signature) *[Signature]* Date: 8/20/10 Time: 15:45

RECEIVED BY: (Signature) *[Signature]* Date: 8/20/10 Time: 15:45

SAMPLED BY: (Print & Initial) *JJ* Date: 8/18/10 Time: *[Blank]*

SAMPLE SHIPPED BY: (Circle) HAND DELIVERED BUS UPS AIRBILL #: OTHER:

RECEIVING LABORATORY: *Tetra* ADDRESS: *Midland* CITY: *Midland* STATE: *TX* ZIP: CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature) *[Signature]*

TETRA TECH CONTACT PERSON: *Ike Tavaruz* Results by: RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED:
410°C intact

REMARKS:
All tests: midland