



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0633352948

NEED
CHLORIDES?

1RP - 1133

YATES PETROLEUM CORPORATION

11/29/2006

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

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 505-748-1471	
Facility Name Kiwi AKX State #8	API Number 30-025-31889	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. VE-134



LOCATION OF RELEASE

Unit Letter F	Section 16	Township 22S	Range 32E	Feet from the 1980	North/South Line North	Feet from the 2310	East/West Line West	County Lea
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Latitude 32.39337 Longitude 103.68028

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 400 B/PW	Volume Recovered 0 B/PW
Source of Release Pump Hose	Date and Hour of Occurrence 11/17/2006 - AM	Date and Hour of Discovery 11/17/2006 - AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton, OCD District I	
By Whom? Robert Asher, Environmental Regulatory Agent, YPC	Date and Hour 11/17/2006, 11:34 AM (Telephone) & 11/17/2006, 11:50 AM (E-mail)	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Hose spilt at triplex pump. Pump shut down/valves closed, vacuum truck called. Hose replaced.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 50' X 300', well pad and off location. Work plan to follow. Depth to Ground Water: >100'; Wellhead Protection Area: No; Distance to Surface Water Body: >1000'; SITE RANKING IS 0.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, or human health or the environment. In addition, NMOC 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:	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address: boba@ypcnm.com	Conditions of Approval:	Attachment:
Date: Wednesday, November 22, 2006	Phone: 505-748-1471	

* Attach Additional Sheets If Necessary

Incident - nPACOG 33352753
application nPACOG 33352948

RIT# 1133

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (505) 246-4141

S.P. YATES
CHAIRMAN EMERITUS

JOHN A. YATES
CHAIRMAN OF THE BOARD

PEYTON YATES
PRESIDENT

FRANK YATES, JR.
EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR.
SENIOR VICE PRESIDENT

2006 DEC 15 PM 1 19

December 11, 2006

Mr. Larry Johnson
NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240

Re: Merle State Unit 3
30-025-37545
Section 14, Township 10S, Range 34E
Lea County, New Mexico

Mr. Larry Johnson,

This letter is in response to the return of the enclosed C-141 marked "Final Report" and the Analytical Reports for the Merle State #3 which were submitted by Sherry Bonham, Environmental Regulatory Agent for Yates Petroleum Corporation and stamped received by your office November 28, 2006.

The C-141 marked as Final Report had two "sticky notes" attached to it. One large green one signed by Pat Caperton to Sherry which asked her to refer to the notes on each enclosure and that "Larry will not approve until paperwork is updated with the information he has asked for". The other "sticky note" had on it: 1 Chlorides to Disposal (impacted soil) Not Landfarm 2 Tables Required for analysis.

It is unclear what is implied by these notes. The C-141 states that the impacted materials were hauled to a land farm. I believe that this is still an NMOCD accepted method of disposal.

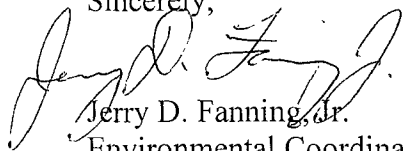
The "sticky note" asking for tables of analysis is unclear also. The enclosed analytical reports prepared for Yates Petroleum by Environmental Lab of Texas clearly show the

results of sampling performed at the Merle site on 11-7-2006. These reports reflect the levels of BTEX and TPH for the site as required. The other enclosed report prepared by Environmental Lab of Texas clearly reflects the chloride levels at the site as per your request for documentation.

Yates feels strongly that the information furnished to you contains all the elements required for you to make an informed decision for the closure of this site.

If you have any further concerns about this matter please feel free to email, call or write me.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jerry D. Fanning, Jr.", is written over the typed name.

Jerry D. Fanning, Jr.
Environmental Coordinator
Yates Petroleum Corporation
(505)748-4195
jerryf@ypcnm.com

Cc: Lisa Norton, Environmental Director YPC

Wayne Price, NMOCD

that

Since I have not
yet received the information
I have asked for.

Very
truly
yours

- ① CHLORIDES TO DISPOSE
(IMPROVED SOIL) NOT LANDFILL
- ② TABLES REQUIRED FOR
ANALYSIS -

District I
1625 N. French Dr., Hobbs, NM 88240
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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

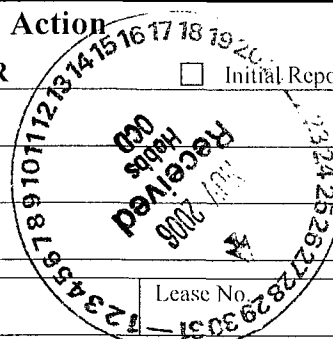
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company YATES PETROLEUM CORPORATION	OGRID Number 25575	Contact SHERRY BONHAM
Address 105 S 4 TH STREET	Telephone No. 505.748.1471	
Facility Name MERLE STATE UNIT 3	API Number 30-025-37545	Facility Type WELL
Surface Owner STATE	Mineral Owner STATE	Lease No.



LOCATION OF RELEASE

Unit Letter P	Section 14	Township 10S	Range 34E	Feet from the 990	North/South Line SOUTH	Feet from the 990	East/West Line EAST	County LEA
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Latitude 33.44253 Longitude 103.42887

NATURE OF RELEASE

Type of Release CRUDE OIL	Volume of Release 10 B/O	Volume Recovered 8 B/O
Source of Release WATER TANK	Date and Hour of Occurrence 10/4/06 7:00 AM	Date and Hour of Discovery 10/4/06 7:00 AM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
WELL TESTER (3 PHASE SEPARATOR) MALFUNCTIONED PUTTING OIL PRODUCTION TO WATER TANK. REPAIRED.

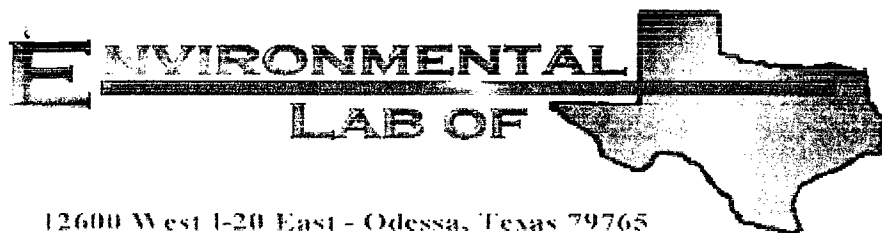
Describe Area Affected and Cleanup Action Taken.*
AN APPROXIMATE 25' X 25' X 2' AREA AFFECTED. PICKED UP ALL STANDING FLUIDS. IMMEDIATELY SCRAPED UP IMPACTED MATERIALS AND HAULED TO LAND FARM. SITE TO BE EVALUATED.
SITE RANKING: 20
REQUESTING CLOSURE TO INCIDENT. FINAL REPORT. SEE ATTACHED ANALYSES.

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.

OIL CONSERVATION DIVISION

Signature:	Approved by District Supervisor:		
Printed Name: Sherry Bonham			
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:	
E-mail Address: sherryb@ypcnm.com	Conditions of Approval:		Attached ☐
Date: November 27, 2006	Phone: 505.748.1471		

* Attach Additional Sheets If Necessary



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ron Rounsaville

Talon LPE

9 East Industrial Loop

Midland, TX 79701



Project: Yates- Merle Unit #3

Project Number: YATESP027SPL

Location: Cross Roads, NM

Lab Order Number: 6K08002

Report Date: 11/15/06

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 3-4	6K08002-01	Soil	11/07/06 09:15	11-08-2006 09:30
SB-1 6-7	6K08002-02	Soil	11/07/06 09:20	11-08-2006 09:30
SB-2 3-4	6K08002-03	Soil	11/07/06 09:30	11-08-2006 09:30
SB-2 6-7	6K08002-04	Soil	11/07/06 09:35	11-08-2006 09:30
SB-3 2.5-3.5	6K08002-05	Soil	11/07/06 09:40	11-08-2006 09:30
SB-3 5-6	6K08002-06	Soil	11/07/06 09:45	11-08-2006 09:30
SB-4 1-2	6K08002-07	Soil	11/07/06 09:52	11-08-2006 09:30
SB-4 5-6	6K08002-08	Soil	11/07/06 09:55	11-08-2006 09:30
SB-5 3-4	6K08002-09	Soil	11/07/06 10:08	11-08-2006 09:30
SB-5 5-6	6K08002-10	Soil	11/07/06 10:12	11-08-2006 09:30
SB-6 2-3	6K08002-11	Soil	11/07/06 10:18	11-08-2006 09:30
SB-6 5-6	6K08002-12	Soil	11/07/06 10:24	11-08-2006 09:30
SB-7 3-4	6K08002-13	Soil	11/07/06 10:35	11-08-2006 09:30
SB-7 5-6	6K08002-14	Soil	11/07/06 10:40	11-08-2006 09:30
SB-8 2-3	6K08002-15	Soil	11/07/06 11:02	11-08-2006 09:30
SB-8 5-6	6K08002-16	Soil	11/07/06 11:06	11-08-2006 09:30
SB-9 2-3	6K08002-17	Soil	11/07/06 11:21	11-08-2006 09:30
SB-9 5-6	6K08002-18	Soil	11/07/06 11:24	11-08-2006 09:30
SB-10 2.5-3.0	6K08002-19	Soil	11/07/06 11:49	11-08-2006 09:30

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SP1L
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 3-4 (6K08002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	
SB-1 6-7 (6K08002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	
SB-2 3-4 (6K08002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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.

Page 2 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 3-4 (6K08002-03) Soil									
Surrogate: 1-Chlorooctane		109 %	70-130		EK60813	11/08/06	11/08/06	EPA 8015B	
Surrogate: 1-Chlorooctadecane		125 %	70-130		"	"	"	"	
SB-2 6-7 (6K08002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		114 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		129 %	70-130		"	"	"	"	
SB-3 2.5-3.5 (6K08002-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		106 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		121 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 3 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 5-6 (6K08002-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		81.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		121 %	70-130		"	"	"	"	
SB-4 1-2 (6K08002-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		86.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		101 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	
SB-4 5-6 (6K08002-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		86.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 4 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 5-6 (6K08002-08) Soil									
Surrogate: 1-Chlorooctane		101 %	70-130		EK60813	11/08/06	11/08/06	EPA 8015B	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	
SB-5 3-4 (6K08002-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		109 %	70-130		"	"	"	"	
SB-5 5-6 (6K08002-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	23.5	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	23.5	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %	70-130		"	"	"	"	

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Page 5 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merkle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 2-3 (6K08002-11) Soil									
Benzene	J [0.0204]	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	J
Toluene	0.0694	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0241]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0709	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0255	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		107 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-130	"	"	"	"	"	
SB-6 5-6 (6K08002-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.2 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		123 %	70-130	"	"	"	"	"	
SB-7 3-4 (6K08002-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.0 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.0 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/08/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 6 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SP1L
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 3-4 (6K08002-13) Soil									
Surrogate: 1-Chlorooctane		106 %	70-130		EK60813	11/08/06	11/08/06	EPA 8015B	
Surrogate: 1-Chlorooctadecane		121 %	70-130		"	"	"	"	
SB-7 5-6 (6K08002-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	
SB-8 2-3 (6K08002-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		100 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 7 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merie Unit #3
Project Number: YATESP027SL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-8 5-6 (6K08002-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK60914	11/09/06	11/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		117 %	70-130		"	"	"	"	
SB-9 2-3 (6K08002-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK61101	11/11/06	11/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		101 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-130		"	"	"	"	
SB-9 5-6 (6K08002-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK61101	11/11/06	11/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 8 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-9 5-6 (6K08002-18) Soil									
Surrogate: 1-Chlorooctane		103 %	70-130		EK60813	11/08/06	11/09/06	EPA 8015B	
Surrogate: 1-Chlorooctadecane		117 %	70-130		"	"	"	"	
SB-10 2.5-3.0 (6K08002-19) Soil									
Benzene	J [0.0116]	0.0250	mg/kg dry	25	EK61101	11/11/06	11/13/06	EPA 8021B	J
Toluene	J [0.0213]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0350	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0220]	0.0250	"	"	"	"	"	"	J
Surrogate: <i>a,a,a</i> -Trifluorotoluene		81.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EK60813	11/08/06	11/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		106 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 9 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 3-4 (6K08002-01) Soil									
% Moisture	15.9	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-1 6-7 (6K08002-02) Soil									
% Moisture	4.7	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-2 3-4 (6K08002-03) Soil									
% Moisture	6.8	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-2 6-7 (6K08002-04) Soil									
% Moisture	9.0	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-3 2.5-3.5 (6K08002-05) Soil									
% Moisture	10.3	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-3 5-6 (6K08002-06) Soil									
% Moisture	5.0	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-4 1-2 (6K08002-07) Soil									
% Moisture	3.4	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-4 5-6 (6K08002-08) Soil									
% Moisture	4.5	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-5 3-4 (6K08002-09) Soil									
% Moisture	5.1	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-5 5-6 (6K08002-10) Soil									
% Moisture	2.2	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-6 2-3 (6K08002-11) Soil									
% Moisture	1.0	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	

Environmental Lab of Texas

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Page 10 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 5-6 (6K08002-12) Soil									
% Moisture	2.2	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-7 3-4 (6K08002-13) Soil									
% Moisture	9.5	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-7 5-6 (6K08002-14) Soil									
% Moisture	5.7	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-8 2-3 (6K08002-15) Soil									
% Moisture	4.7	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-8 5-6 (6K08002-16) Soil									
% Moisture	3.2	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-9 2-3 (6K08002-17) Soil									
% Moisture	4.4	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-9 5-6 (6K08002-18) Soil									
% Moisture	3.8	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	
SB-10 2.5-3.0 (6K08002-19) Soil									
% Moisture	11.6	0.1	%	1	EK60908	11/08/06	11/09/06	% calculation	

Environmental Lab of Texas

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Page 11 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP0278PL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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 EK60813 - Solvent Extraction (GC)										
Blank (EK60813-BLK1)			Prepared & Analyzed: 11/08/06							
Carbon Ranges C6-C10	ND	10.0	mg/kg wet							
Carbon Ranges >C10-C28	ND	10.0	"							
Total Carbon Range C6-C28	ND	10.0	"							
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0		110	70-130			
Surrogate: 1-Chlorooctadecane	64.6		"	50.0		129	70-130			
LCS (EK60813-BS1)			Prepared & Analyzed: 11/08/06							
Carbon Ranges C6-C10	570	10.0	mg/kg wet	500		114	75-125			
Carbon Ranges >C10-C28	480	10.0	"	500		96.0	75-125			
Total Carbon Range C6-C28	1050	10.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	63.0		mg/kg	50.0		126	70-130			
Surrogate: 1-Chlorooctadecane	64.3		"	50.0		129	70-130			
Calibration Check (EK60813-CCV1)			Prepared: 11/08/06 Analyzed: 11/09/06							
Carbon Ranges C6-C10	205		mg/kg	250		82.0	80-120			
Carbon Ranges >C10-C28	248		"	250		99.2	80-120			
Total Carbon Range C6-C28	453		"	500		90.6	80-120			
Surrogate: 1-Chlorooctane	50.0		"	50.0		100	70-130			
Surrogate: 1-Chlorooctadecane	52.4		"	50.0		105	70-130			
Matrix Spike (EK60813-MS1)			Source: 6K08002-01	Prepared: 11/08/06 Analyzed: 11/09/06						
Carbon Ranges C6-C10	697	10.0	mg/kg dry	595	ND	117	75-125			
Carbon Ranges >C10-C28	584	10.0	"	595	ND	98.2	75-125			
Total Carbon Range C6-C28	1280	10.0	"	1190	ND	108	75-125			
Surrogate: 1-Chlorooctane	61.5		mg/kg	50.0		123	70-130			
Surrogate: 1-Chlorooctadecane	64.0		"	50.0		128	70-130			
Matrix Spike Dup (EK60813-MSD1)			Source: 6K08002-01	Prepared: 11/08/06 Analyzed: 11/09/06						
Carbon Ranges C6-C10	666	10.0	mg/kg dry	595	ND	112	75-125	4.55	20	
Carbon Ranges >C10-C28	559	10.0	"	595	ND	93.9	75-125	4.37	20	
Total Carbon Range C6-C28	1220	10.0	"	1190	ND	103	75-125	4.80	20	
Surrogate: 1-Chlorooctane	59.3		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	62.8		"	50.0		126	70-130			

Environmental Lab of Texas

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Page 12 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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 EK60914 - EPA 5030C (GC)										
Blank (EK60914-BLK1)				Prepared & Analyzed: 11/09/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/kg	40.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	37.1		"	40.0		92.8	80-120			
LCS (EK60914-BS1)				Prepared & Analyzed: 11/09/06						
Benzene	1.28	0.0250	mg/kg wet	1.25		102	80-120			
Toluene	1.16	0.0250	"	1.25		92.8	80-120			
Ethylbenzene	1.18	0.0250	"	1.25		94.4	80-120			
Xylene (p/m)	2.40	0.0250	"	2.50		96.0	80-120			
Xylene (o)	1.19	0.0250	"	1.25		95.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.4		ug/kg	40.0		93.5	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			
Calibration Check (EK60914-CCV1)				Prepared & Analyzed: 11/09/06						
Benzene	48.5		ug/kg	50.0		97.0	80-120			
Toluene	42.4		"	50.0		84.8	80-120			
Ethylbenzene	43.5		"	50.0		87.0	80-120			
Xylene (p/m)	85.3		"	100		85.3	80-120			
Xylene (o)	43.0		"	50.0		86.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.4		"	40.0		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	36.4		"	40.0		91.0	80-120			
Matrix Spike (EK60914-MS1)				Source: 6K09004-01	Prepared & Analyzed: 11/09/06					
Benzene	1.50	0.0250	mg/kg dry	1.40	ND	107	80-120			
Toluene	1.41	0.0250	"	1.40	ND	101	80-120			
Ethylbenzene	1.34	0.0250	"	1.40	0.0335	93.3	80-120			
Xylene (p/m)	2.91	0.0250	"	2.80	0.0657	102	80-120			
Xylene (o)	1.37	0.0250	"	1.40	ND	97.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.6		ug/kg	40.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	41.2		"	40.0		103	80-120			

Environmental Lab of Texas

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.

Page 13 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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 EK60914 - EPA 5030C (GC)

Matrix Spike Dup (EK60914-MSD1)		Source: 6K09004-01		Prepared & Analyzed: 11/09/06						
Benzene	1.30	0.0250	mg/kg dry	1.40	ND	92.9	80-120	14.1	20	
Toluene	1.27	0.0250	"	1.40	ND	90.7	80-120	10.7	20	
Ethylbenzene	1.25	0.0250	"	1.40	0.0335	86.9	80-120	7.10	20	
Xylene (p/m)	2.76	0.0250	"	2.80	0.0657	96.2	80-120	5.85	20	
Xylene (o)	1.36	0.0250	"	1.40	ND	97.1	80-120	0.821	20	
Surrogate: a,a,a-Trifluorotoluene	32.6		ug/kg	40.0		81.5	80-120			
Surrogate: 4-Bromofluorobenzene	35.9		"	40.0		89.8	80-120			

Batch EK61101 - EPA 5030C (GC)

Blank (EK61101-BLK1)		Prepared & Analyzed: 11/11/06								
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/kg	40.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	33.8		"	40.0		84.5	80-120			

LCS (EK61101-BS1)		Prepared & Analyzed: 11/11/06								
Benzene	1.22	0.0250	mg/kg wet	1.25		97.6	80-120			
Toluene	1.14	0.0250	"	1.25		91.2	80-120			
Ethylbenzene	1.07	0.0250	"	1.25		85.6	80-120			
Xylene (p/m)	2.36	0.0250	"	2.50		94.4	80-120			
Xylene (o)	1.11	0.0250	"	1.25		88.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.1		ug/kg	40.0		80.2	80-120			
Surrogate: 4-Bromofluorobenzene	41.4		"	40.0		104	80-120			

Environmental Lab of Texas

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Page 14 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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 EK61101 - EPA 5030C (GC)										
Calibration Check (EK61101-CCV1)				Prepared: 11/11/06 Analyzed: 11/12/06						
Benzene	50.1		ug/kg	50.0		100	80-120			
Toluene	44.2		"	50.0		88.4	80-120			
Ethylbenzene	45.1		"	50.0		90.2	80-120			
Xylene (p/m)	87.5		"	100		87.5	80-120			
Xylene (o)	43.2		"	50.0		86.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.5		"	40.0		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	36.1		"	40.0		90.2	80-120			
Matrix Spike (EK61101-MS1)				Source: 6K09005-09 Prepared: 11/11/06 Analyzed: 11/13/06						
Benzene	1.22	0.0250	mg/kg dry	1.37	ND	89.1	80-120			
Toluene	1.21	0.0250	"	1.37	0.0115	87.5	80-120			
Ethylbenzene	1.20	0.0250	"	1.37	0.0246	85.8	80-120			
Xylene (p/m)	2.82	0.0250	"	2.74	0.0550	101	80-120			
Xylene (o)	1.31	0.0250	"	1.37	0.0176	94.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.7		ug/kg	40.0		84.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.2		"	40.0		88.0	80-120			
Matrix Spike Dup (EK61101-MSD1)				Source: 6K09005-09 Prepared: 11/11/06 Analyzed: 11/12/06						
Benzene	1.22	0.0250	mg/kg dry	1.37	ND	89.1	80-120	0.00	20	
Toluene	1.21	0.0250	"	1.37	0.0115	87.5	80-120	0.00	20	
Ethylbenzene	1.11	0.0250	"	1.37	0.0246	79.2	80-120	8.00	20	M8
Xylene (p/m)	2.60	0.0250	"	2.74	0.0550	92.9	80-120	8.35	20	
Xylene (o)	1.28	0.0250	"	1.37	0.0176	92.1	80-120	2.36	20	
Surrogate: a,a,a-Trifluorotoluene	38.3		ug/kg	40.0		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.5		"	40.0		91.2	80-120			

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RBC Limits	RPD	RPD Limit	Notes
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Batch EK60908 - General Preparation (Prep)

Blank (EK60908-BLK1)

Prepared: 11/08/06 Analyzed: 11/09/06

% Solids 99.6 %

Duplicate (EK60908-DUP1)

Source: 6K07014-01

Prepared: 11/08/06 Analyzed: 11/09/06

% Solids 97.7 % 96.0 1.76 20

Duplicate (EK60908-DUP2)

Source: 6K08002-12

Prepared: 11/08/06 Analyzed: 11/09/06

% Solids 97.3 % 97.8 0.513 20

Duplicate (EK60908-DUP3)

Source: 6K06008-04

Prepared: 11/08/06 Analyzed: 11/09/06

% Solids 91.8 % 92.4 0.651 20

Environmental Lab of Texas

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Page 16 of 17

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Notes and Definitions

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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:

11/15/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
La'Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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.

Page 17 of 17

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Ron Raven Saville

Tabor 166E

9 E. Industrial Loop

Midland, TX 79701

522-2133

R. P. R. R.

Project Name:

Project #:

Project Loc:

PO #:

Vates - Maple Unit #3

Vates 0027501

Genies W of Crossroads Wn

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

Fax No: *522-2180*

e-mail: *rv@lonstarville.com*

(lab use only)

ORDER #:

0K08002

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

No. of Containers

Preservation & # of Containers

Matrix

Other (Specify)

DW-Drinking Water SL=Sludge

GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

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NaOH

Na₂S₂O₈

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NaOH

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

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GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

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GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

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NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

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GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₈

None

Other (Specify)

DW-Drinking Water SL=Sludge

GW=Groundwater SL=Soil/Sediment

NP=Non-Potable Specify Other

ICo

HNO₃

HCl

H₂SO₄

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
12600 West I-20 East
Odessa, Texas 79765

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Phone: 432-563-1800

Fax: 432-563-1713

Ron Rounsaville

Taton / LLC

9. E. Industrial Blvd

Middletown, TX 79701

522-2133

Ron Rounsaville

Fax No: *522-2180*

e-mail: *rrounsaville@ctatolab.com*

Project Name: *Votes - Moele Unit #3*

Project #: *VATES P 027 SPL*

Project Loc: *Cross Roads area*

PO #:

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

(lab use only)

ORDER #: *6K08002*

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers										Matrix	Analyze For:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
							Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ SO ₄	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Solid		MF=Non-Petroleum Specify Other	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX: 8021B/5030, BTEX 8260	RCI	N.O.R.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Special Instructions:

Relinquished by:

Ron Rounsaville

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Received by:

[Signature]

Date

Time

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

Client: Talm. LPE
Date/ Time: 11/8/00 9:30
Lab ID #: 6K08002
Initials: ck

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	Yes	No	1.0 °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

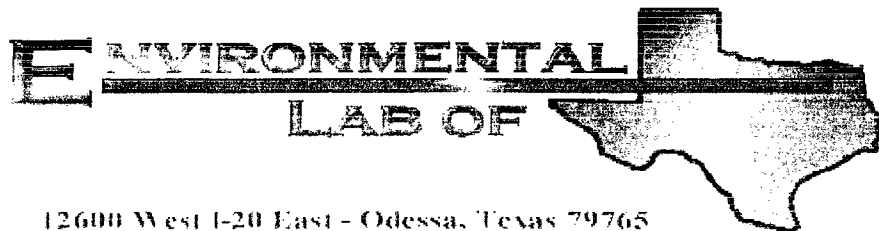
Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____
Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

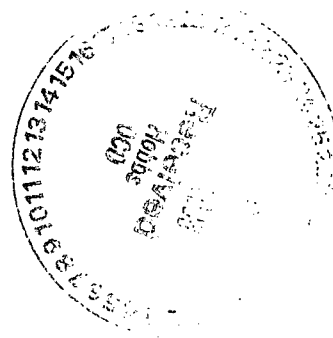
Prepared for:

Ron Rounsaville

Talon LPE

9 East Industrial Loop

Midland, TX 79701



Project: Yates- Merle Unit #3

Project Number: YATESP027SPL

Location: Cross Roads, NM

Lab Order Number: 6K08002

Report Date: 11/15/06

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 3-4	6K08002-01	Soil	11/07/06 09:15	11-08-2006 09:30
SB-1 6-7	6K08002-02	Soil	11/07/06 09:20	11-08-2006 09:30
SB-2 3-4	6K08002-03	Soil	11/07/06 09:30	11-08-2006 09:30
SB-2 6-7	6K08002-04	Soil	11/07/06 09:35	11-08-2006 09:30
SB-3 2.5-3.5	6K08002-05	Soil	11/07/06 09:40	11-08-2006 09:30
SB-3 5-6	6K08002-06	Soil	11/07/06 09:45	11-08-2006 09:30
SB-4 1-2	6K08002-07	Soil	11/07/06 09:52	11-08-2006 09:30
SB-4 5-6	6K08002-08	Soil	11/07/06 09:55	11-08-2006 09:30
SB-5 3-4	6K08002-09	Soil	11/07/06 10:08	11-08-2006 09:30
SB-5 5-6	6K08002-10	Soil	11/07/06 10:12	11-08-2006 09:30
SB-6 2-3	6K08002-11	Soil	11/07/06 10:18	11-08-2006 09:30
SB-6 5-6	6K08002-12	Soil	11/07/06 10:24	11-08-2006 09:30
SB-7 3-4	6K08002-13	Soil	11/07/06 10:35	11-08-2006 09:30
SB-7 5-6	6K08002-14	Soil	11/07/06 10:40	11-08-2006 09:30
SB-8 2-3	6K08002-15	Soil	11/07/06 11:02	11-08-2006 09:30
SB-8 5-6	6K08002-16	Soil	11/07/06 11:06	11-08-2006 09:30
SB-9 2-3	6K08002-17	Soil	11/07/06 11:21	11-08-2006 09:30
SB-9 5-6	6K08002-18	Soil	11/07/06 11:24	11-08-2006 09:30
SB-10 2.5-3.0	6K08002-19	Soil	11/07/06 11:49	11-08-2006 09:30

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 3-4 (6K08002-01) Soil									
Chloride	1370	25.0	mg/kg	50	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-1 6-7 (6K08002-02) Soil									
Chloride	157	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-2 3-4 (6K08002-03) Soil									
Chloride	J [1.49]	5.00	mg/kg	10	EK60909	11/09/06	11/14/06	EPA 300.0	J
SB-2 6-7 (6K08002-04) Soil									
Chloride	8.94	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-3 2.5-3.5 (6K08002-05) Soil									
Chloride	68.7	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-3 5-6 (6K08002-06) Soil									
Chloride	J [1.51]	5.00	mg/kg	10	EK60909	11/09/06	11/14/06	EPA 300.0	J
SB-4 1-2 (6K08002-07) Soil									
Chloride	31.1	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-4 5-6 (6K08002-08) Soil									
Chloride	J [1.31]	5.00	mg/kg	10	EK60909	11/09/06	11/14/06	EPA 300.0	J
SB-5 3-4 (6K08002-09) Soil									
Chloride	J [2.03]	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	J
SB-5 5-6 (6K08002-10) Soil									
Chloride	J [4.14]	5.00	mg/kg	10	EK60909	11/09/06	11/14/06	EPA 300.0	J
SB-6 2-3 (6K08002-11) Soil									
Chloride	J [2.48]	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	J

Environmental Lab of Texas

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.

Page 2 of 6

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESI027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 5-6 (6K08002-12) Soil									
Chloride	J [1.05]	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	J
SB-7 3-4 (6K08002-13) Soil									
Chloride	24.2	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-7 5-6 (6K08002-14) Soil									
Chloride	16.0	5.00	mg/kg	10	EK60909	11/09/06	11/14/06	EPA 300.0	
SB-8 2-3 (6K08002-15) Soil									
Chloride	62.5	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-8 5-6 (6K08002-16) Soil									
Chloride	J [1.51]	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	J
SB-9 2-3 (6K08002-17) Soil									
Chloride	43.8	5.00	mg/kg	10	EK60909	11/09/06	11/09/06	EPA 300.0	
SB-9 5-6 (6K08002-18) Soil									
Chloride	J [1.61]	5.00	mg/kg	10	EK60910	11/09/06	11/11/06	EPA 300.0	J
SB-10 2.5-3.0 (6K08002-19) Soil									
Chloride	462	10.0	mg/kg	20	EK60910	11/09/06	11/11/06	EPA 300.0	

Environmental Lab of Texas

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Page 3 of 6

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EK60909 - Water Extraction									
Blank (EK60909-BLK1)				Prepared & Analyzed: 11/09/06					
Chloride	ND	0.500	mg/kg						
LCS (EK60909-BS1)				Prepared & Analyzed: 11/09/06					
Chloride	11.0	0.500	mg/kg	10.0	110	80-120			
Calibration Check (EK60909-CCV1)				Prepared & Analyzed: 11/09/06					
Chloride	11.2		mg/L	10.0	112	80-120			
Duplicate (EK60909-DUP1)		Source: 6K08002-02		Prepared & Analyzed: 11/09/06					
Chloride	149	5.00	mg/kg		157		5.23	20	
Duplicate (EK60909-DUP2)		Source: 6K08002-12		Prepared & Analyzed: 11/09/06					
Chloride	1.08	5.00	mg/kg		1.05		2.82	20	J
Matrix Spike (EK60909-MS1)		Source: 6K08002-02		Prepared & Analyzed: 11/09/06					
Chloride	264	5.00	mg/kg	100	157	107	80-120		
Matrix Spike (EK60909-MS2)		Source: 6K08002-12		Prepared & Analyzed: 11/09/06					
Chloride	106	5.00	mg/kg	100	1.05	105	80-120		
Batch EK60910 - Water Extraction									
Blank (EK60910-BLK1)				Prepared: 11/09/06 Analyzed: 11/14/06					
Chloride	ND	0.500	mg/kg						
LCS (EK60910-BS1)				Prepared: 11/09/06 Analyzed: 11/11/06					
Chloride	10.8	0.500	mg/kg	10.0	108	80-120			

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

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 EK60910 - Water Extraction										
Calibration Check (EK60910-CCV1)				Prepared: 11/09/06 Analyzed: 11/14/06						
Chloride	10.4		mg/L	10.0		104	80-120			
Duplicate (EK60910-DUP1)				Source: 6K08002-19 Prepared: 11/09/06 Analyzed: 11/11/06						
Chloride	455	10.0	mg/kg		462			1.53	20	
Duplicate (EK60910-DUP2)				Source: 6K09007-02 Prepared: 11/09/06 Analyzed: 11/14/06						
Chloride	233	10.0	mg/kg		234			0.428	20	
Matrix Spike (EK60910-MS1)				Source: 6K08002-19 Prepared: 11/09/06 Analyzed: 11/11/06						
Chloride	701	100	mg/kg	200	462	120	80-120			
Matrix Spike (EK60910-MS2)				Source: 6K09007-02 Prepared: 11/09/06 Analyzed: 11/14/06						
Chloride	430	10.0	mg/kg	200	234	98.0	80-120			

Environmental Lab of Texas

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.

Page 5 of 6

Talon LPE
9 East Industrial Loop
Midland TX, 79701

Project: Yates- Merle Unit #3
Project Number: YATESP027SPL
Project Manager: Ron Rounsaville

Fax: (432) 522-2180

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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:

11/15/2006

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

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.

Page 6 of 6

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
 12600 West I-20 East
 Odessa, Texas 79765
 Phone: 432-563-1800
 Fax: 432-563-1713

Project Manager:

Ron Rounsaville

Company Name

TALON LPE

Company Address:

9 E. Industrial Loop

City/State/Zip:

MIDLAND TX 79701

Telephone No:

432-522-2133

Sampler Signature:

Red Rounsaville

Fax No: 522-2180

e-mail: rrounsaville@talonlpe.com

Report Format:

☒ Standard ☐ TRRP ☐ NPDES

PO #:

Project Name:

YATES - MERCE UNIT #3

Project #:

YATES P027 SPL

Project Loc:

6 miles West of Crossroads NM

(lab use only)

ORDER #:

4108002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers	Analysis For:
							H ₂ O HNO ₃ HCl H ₂ SO ₄ NaOH H ₂ O ₂ None Other (Specify) U/W/Winning Water SL-Subs GW = Groundwater S-Solids NP=Non-Potable Specially Treated	TPH: 418.1 8015M 1005 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO ₄ , CO ₃ , HCO ₃) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semivolatiles BTEX B021B/B030 or BTEX 8280 RCI NORM RUSH TAT (pre-diluted) 24, 48, 72 hrs Standard TAT
11	SB-6	2	3	11/07/06	1018	1		
12	SB-6	5	6		1024	1		
13	SB-7	3	4		1035	1		
14	SB-7	5	6		1040	1		
15	SB-8	2	3		1102	1		
16	SB-8	5	6		1106	1		
17	SB-9	2	3		1121	1		
18	SB-9	5	6		1124	1		
19	SB-10	2.5	3.0	11/07/06	1149	1		

Special Instructions:

Relinquished by:

Red Rounsaville

Date: 11/7/06

Time: 1730

Received by:

[Signature]

Date: 11/06

Time: 1730

Relinquished by:

[Signature]

Date: 11/8/06

Time: 0930

Relinquished by:

[Signature]

Date: 11/8/06

Time: 0930

Received by:

[Signature]

Date: 11/8/06

Time: 1730

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Date: 11/8/06

Time: 1730

Relinquished by:

[Signature]

Date: 11/8/06

Time: 1730

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Talm LPE
 Date/ Time: 11/8/00 9:30
 Lab ID #: 6K08002
 Initials: PK

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.0 °C
#2	Shipping container in good condition?	Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	
#11	Containers supplied by ELOT?	Yes	No	
#12	Samples in proper container/ bottle?	Yes	No	See Below
#13	Samples properly preserved?	Yes	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Yes	No	
#16	Containers documented on Chain of Custody?	Yes	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	VOC samples have zero headspace?	Yes	No	Not Applicable

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2418
TELEPHONE (505) 748-1471

S.P. YATES
CHAIRMAN EMERITUS

JOHN A. YATES
CHAIRMAN OF THE BOARD

PEYTON YATES
PRESIDENT

FRANK YATES, JR.
EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR.
SENIOR VICE PRESIDENT

December 11, 2006

Mr. Larry Johnson
NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240

Re: Lusk "AHB" Federal 2
30-025-31042
Section 35, Township 19S, Range 32E
Lea County, New Mexico

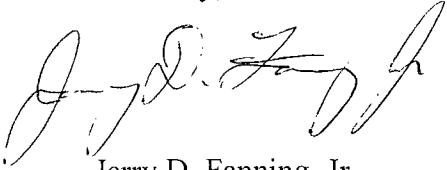
Mr. Larry Johnson,

This letter is in response to the return of the initial C-141 and attached "Spill Summary and Work Plan" for the Lusk "AHB" Federal #2 which was faxed to your office on November 30, 2006 by Sherry Bonham, Environmental Regulatory Agent for Yates Petroleum Corporation.

As you can see by the enclosed the returned C-141 which was attached to the work plan has a small "sticky note" on it which says "NEED CHLORIDES". No other explanation was provided which makes it hard to understand what is needed. The attached "Spill Summary and Work Plan" under the section labeled "**Work Plan**" on page 2 states in the 3rd sentence that chloride analysis will be provided for reference. If additional information is needed please provide Yates that request in the form of approval stipulations for the submitted work plan.

If you should have questions or concerns pertaining this matter please feel free to email, call or write me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerry D. Fanning, Jr.", written in a cursive style.

Jerry D. Fanning, Jr.
Environmental Coordinator
Yates Petroleum Corporation
(505)748-4195
jerryf@ypcnm.com

Cc: Lisa Norton, Environmental Director YPC

Wayne Price, NMOCD

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 YATES PETROLEUM CORPORATION	OGRID Number 25575	Contact SHERRY BONHAM
Address 105 S 4 TH STREET	API Number 30-025-31042	Telephone No. 505.748.1471
Facility Name LUSK AHB FEDERAL 2		Facility Type TANK BATTERY

Surface Owner FEDERAL	Mineral Owner FEDERAL	Lease No.
--------------------------	--------------------------	-----------

LOCATION OF RELEASE

Unit Letter G	Section 35	Township 19S	Range 32E	Feet from the 1930	North/South Line NORTH	Feet from the 1650	East/West Line EAST	County LEA
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	---------------

Latitude 32.61853 Longitude 103.73323

NATURE OF RELEASE

Type of Release CRUDE OIL AND PRODUCED WATER	Volume of Release 10 B/O 50 B/PW	Volume Recovered 0 B/O 25 B/FW
Source of Release POLY LINE	Date and Hour of Occurrence 11/17/06 AM	Date and Hour of Discovery 11/17/06 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? PAT CAPERTON VIA PHONE AND FOLLOW UP EMAIL	
By Whom? SHERRY BONHAM	Date and Hour 11/17/06 8:45 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

3" POLY LINE SPLIT. SHUT TANK VALVES AND PUMP. REPAIRED LINE.

Describe Area Affected and Cleanup Action Taken.*

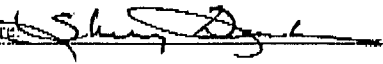
APPROXIMATE 30' X 60' AREA AFFECTED. VACUUM TRUCK AND CREW CALLED IN TO RECOVER FLUIDS. AFFECTED MATERIALS EXCAVATED AND DISPOSED AT WASTE FACILITY.

SITE RANKING : 0

NEED
CHLORIDES!

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D 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 NMOC D 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, NMOC D acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws or regulations.

OIL CONSERVATION DIVISION

Signature 	Approved by District Supervisor:	
Printed Name: Sherry Bonham	Approval Date:	Expiration Date:
Title: Environmental Regulatory Agent	Conditions of Approval:	
E-mail Address: sherryb@ypcnm.com	Attached ☐	
Date: November 28, 2006	Phone: 505.748.1471	

* Attach Additional Sheets if Necessary

RF# 118

Spill Summary and Work Plan

Incident Date: November 17, 2006

Location: Lusk AHB Federal 2
API 30-025-31042
Unit G Section 35 T19S R32E
Lea County, New Mexico

The well is located approximately 18 miles southwest of Buckeye, NM as depicted on the attached Laguna Gatuna; NM USGS Quadrangle Map.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events. The area, dry, clear, and calm at the time of the spill, consists of soil that is sandy loam. The bermed area and pad consists of hard packed caliche. Groundwater in the area is estimated to be at a depth of between 200 and 225 feet according to the Chevron/Texaco Lea County Depth to Groundwater Trend Map.

The ranking for this site is zero (0) based on the following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

For sites with a Total Ranking Score of 0, the Recommended Remedial Action Levels are:

Benzene	10
BTEX	50
TPH	5000

Incident Description:

The area is the site of a tank battery. A three inch poly line split resulting in a release of ten barrels of oil and fifty barrels of produced water. The spill affected an approximate 30' X 60' area within the berm and sprayed an approximate 10' X 10' area outside the berm on the south side of the tank battery.

Action Taken:

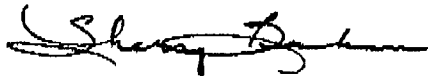
Immediately upon discovery, the source of the release was eliminated by shutting down the pump and shutting the tank valves. A vacuum truck was called to remove fluids. Approximately twenty five barrels of fluids were recovered. The poly line was repaired.

Work Plan:

The visual contaminants of the impacted area have been excavated and removed to an approved NMOCD commercial disposal site. Soil samples will be obtained and sent to a third party laboratory to be analyzed for TPH and BTEX. Chloride analysis will be provided for reference. A 48 hour advance notice will be given OCD to allow opportunity to witness the sample collection. If concentrations exceed Recommended Remedial Action Levels (RRALs), further delineation and evaluation will be required. If, however, concentrations are within the RRALs, the excavated area will be backfilled with clean, like material and Yates Petroleum Corporation will request closure approval from OCD per section IX of the Guidelines.

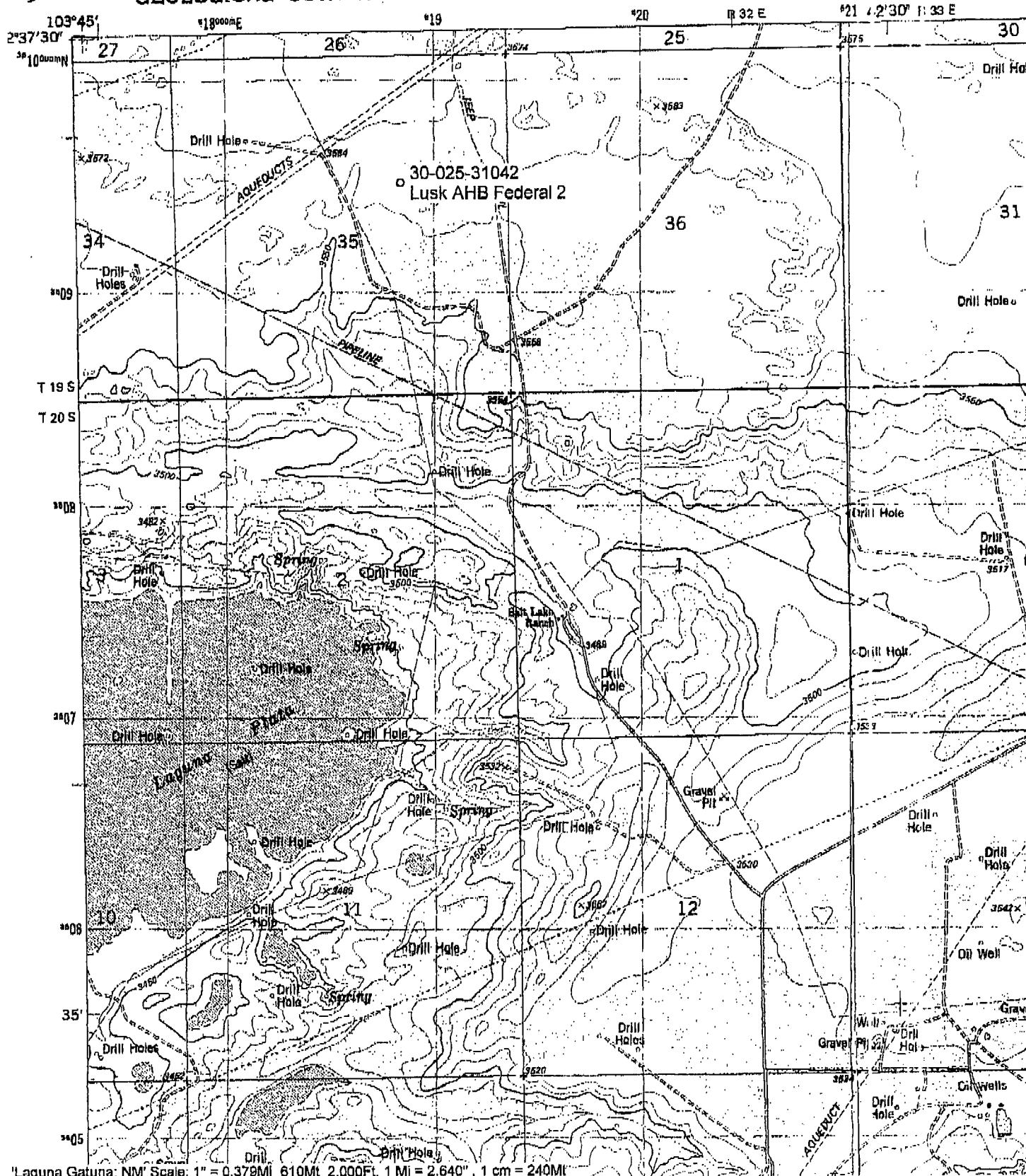
Thank you for your consideration to this work plan. And should you have questions or need additional information, please contact me at 505-748-4162 or sherryb@ypcnm.com.

Respectfully,



Sherry Bonham
Environmental Regulatory Agent

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



'Laguna Gatuna; NM' Scale: 1" = 0.379Mi 610M 2,000Ft, 1 Mi = 2,640', 1 cm = 240M

AUTOMATIC COVER SHEET

DATE: NOV-30-2006 THU 04:42 PM

TO:

FAX #: 915053930720

FROM: YATES MARKETING DEPT

FAX #: 5057484576

06 PAGES WERE SENT

(INCLUDING THIS COVER PAGE)

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

2006 AUG 14 PM 1 05

New Mexico Oil Conservation Division
Mr. Daniel Sanchez
1220 South St. Francis Drive
Sante Fe, New Mexico 87505

Re: OCD Case 131142 Order R-12152-A
Humble State #3 Tank Battery Site
Jal, New Mexico

Mr. Daniel Sanchez,

Enclosed is the final closure report for the Maralo, LLC – Humble State #3 Tank Battery site and associated wells. In compliance with Order R-12152-A and the letter dated March 3, 2006 sent to Mr. David Lauritzen all required work, sampling, and documentation has been completed and no further actions be taken.

Actions ordered to be performed by Maralo, LLC in the letter dated March 3, 2006:

#1 – Excavated contaminated soil at the Tank Battery site to a maximum of 10 feet deep and horizontally until soil samples were below levels of contamination required in action #2. After verbal approval from the OCD in the meeting mentioned in #4 below, the two plugged and abandoned wells (Humble State #3 well and Shell A-1 well) were excavated to a maximum of 4' deep and horizontally until soil samples were below levels of contamination required in action #2. The total contaminated soil excavated from the two wells was 2,741 cubic yards, of that 2,597 cubic yards was backfilled into the bottom of the tank battery excavation in a thin layer with approval from the OCD in the meeting mentioned in #4 below and 144 cubic yards was hauled away. The total contaminated soil excavated and hauled away from the tank battery site was 96,678 cubic yards. A total of 96,822 cubic yards of contaminated soil was hauled to J & L Landfarm in Hobbs, NM.

#2 – All wall samples were analyzed in the field as well as lab confirmation, and all bottom samples were analyzed at the lab. All wall samples are below the levels required in action #2.

#3 – A total of 110 grab bottom samples were taken with 5 samples for each bottom area, and a total of 184 grab and 46 four point composite wall samples were taken with 4 grab and 1 composite for each wall. Each bottom sample was analyzed for the constituents in item 2 of the order. Each wall grab was analyzed for field BTEX; and laboratory analysis for benzene (EPA SW-846 Method 8021B) and total BTEX (EPA SW-846 Method 8021B). Each 4 point

composite wall sample was analyzed for field TPH (EPA Method 418.1) and chlorides (EPA Method 300.1); and laboratory analysis for TPH (EPA Method 418.1), TPH GRO/DRO (EPA SW-846 Method 8015M), and chlorides (EPA Method 300.1). The soil excavated from the two wells and backfilled in the tank battery excavation was analyzed for SPLP leachability (EPA Method 1312) of chlorides, TPH GRO/DRO (EPA SW-846 Method 8015M), total BTEX (EPA SW-846 Method 8021B), chlorides (EPA Method 300.1) and RCRA 8 Metals (EPA Methods 7470A and 6020A).

#4 – Verbal permission was given to backfill by the OCD on June 6, 2006 at a meeting with Daniel Sanchez and Larry Johnson of the OCD, Rob Elam and Hamp Kerby of Elke Environmental, Geoff Perrin and Bill Solomon of Maralo, and David Lauritzen of Cotton, Bledsoe, Tighe and Dawson. A total of 96,831 cubic yards of similar native clean soil was hauled and backfilled in the excavations. The soil was water compacted during the backfill stage.

#5 – Re-vegetation of the site has been agreed upon between Maralo and the landowner with written approval. A copy of the letter is included.

#6 – All notice was given at appropriate times during the progress of the remediation of the site.

#7 – The deadline for work to be finished and a final report to be submitted was delayed to August 31, 2006 in the meeting mentioned in #4 above. The following report includes (a) plat maps of the clean-up areas with locations and dimensions of all excavated areas and final sample points, (b) dated photos of the project before, during excavation, at sample points and after backfill, (c) copies of all manifests, (d) a daily log of major activities, (e) and all laboratory analysis reports cross referenced to sample points.

A copy of the drilling delineation from April 2005 is included. If any questions arise concerning the enclosed report please contact me at the office or my cell phone 432-664-1269.

Sincerely,

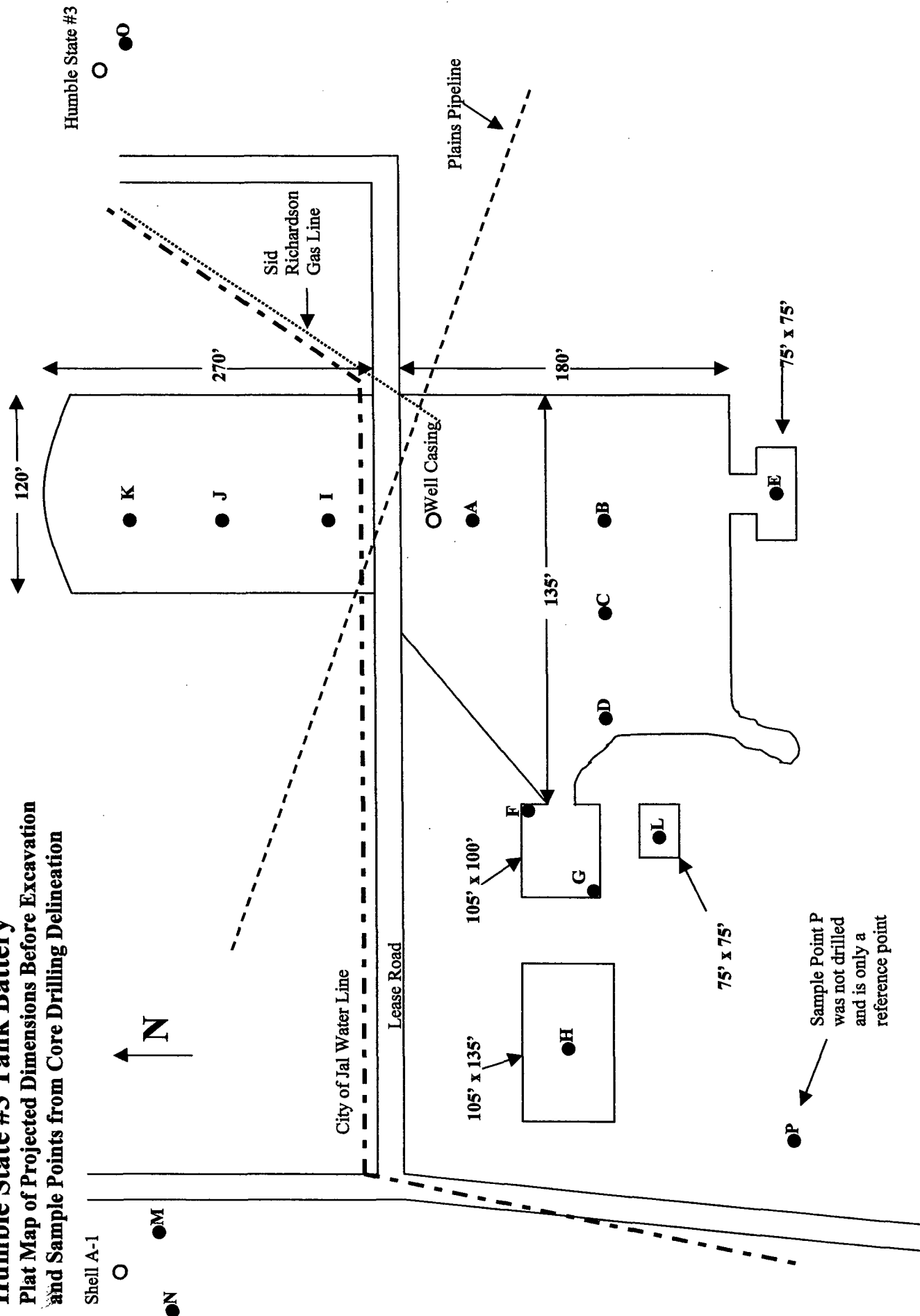
Logan Anderson

Attachment A

Plat Maps of Site

Maralo, LLC

Humble State #3 Tank Battery Plat Map of Projected Dimensions Before Excavation and Sample Points from Core Drilling Delineation



Maralo, LLC

Humble State #3 Tank Battery

**Plat Map Comparison of Estimated
and Actual Contamination**

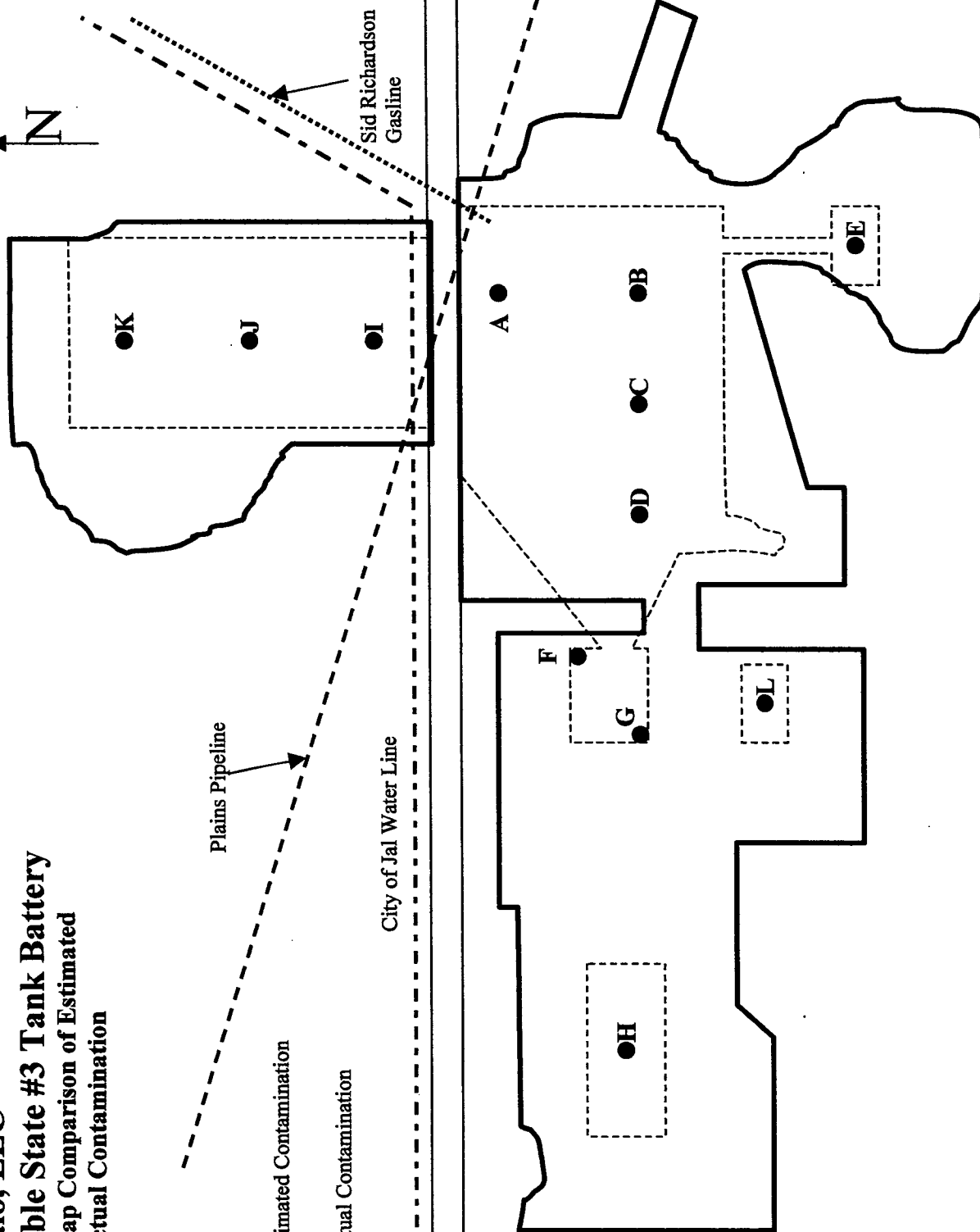
Estimated Contamination

Actual Contamination

Plains Pipeline

City of Jal Water Line

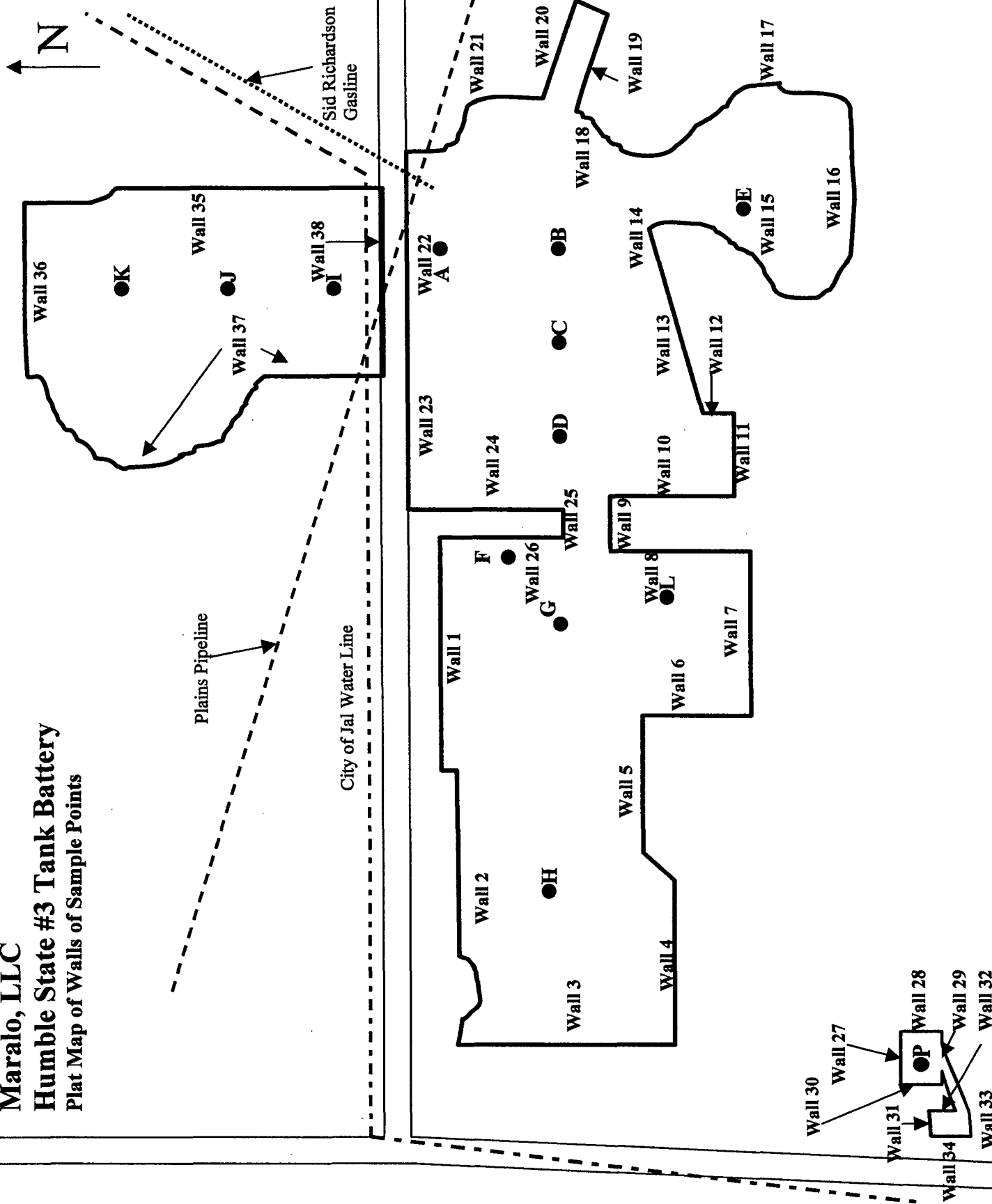
Sid Richardson
Gasline



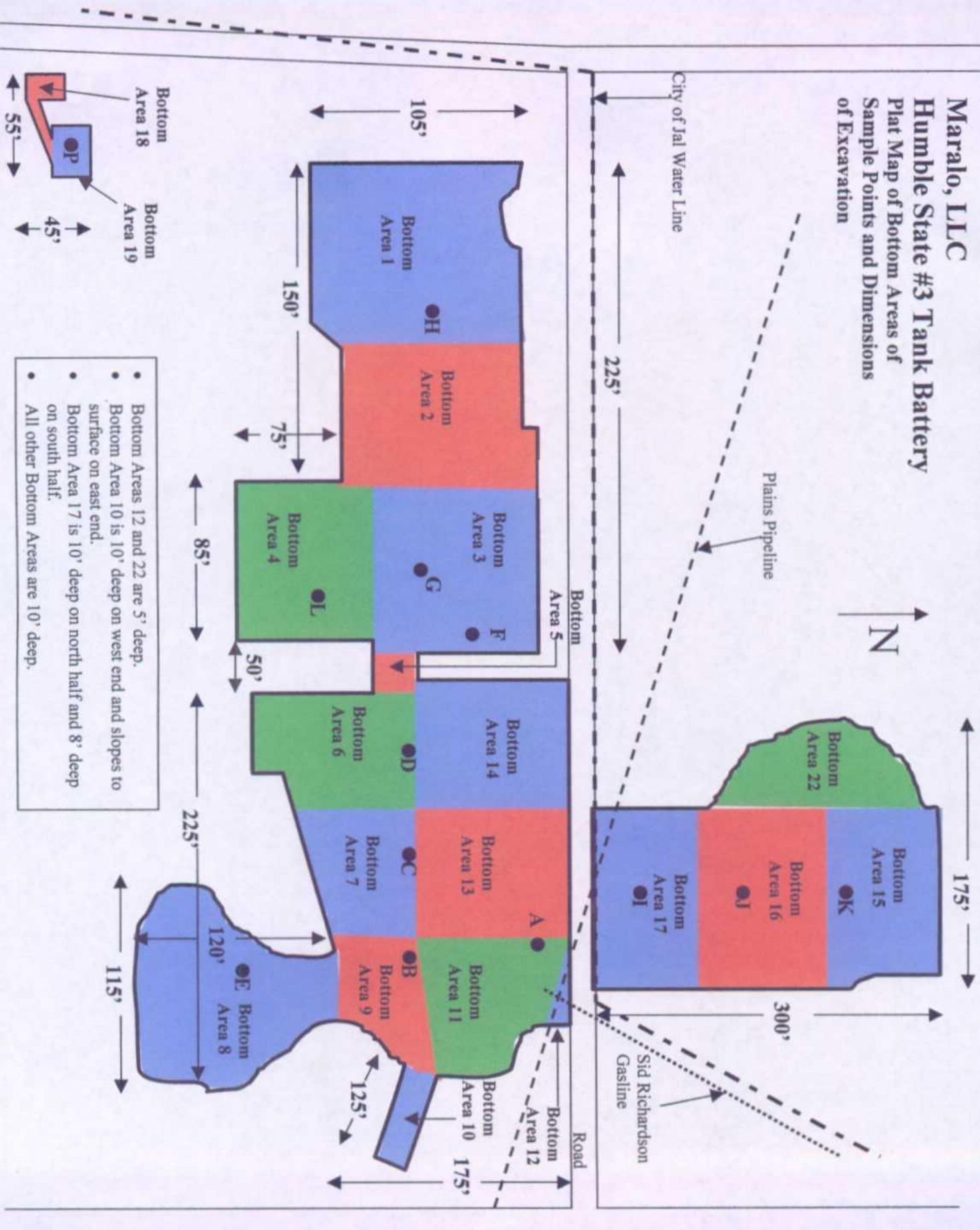
Maralo, LLC

Humble State #3 Tank Battery

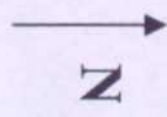
Plat Map of Walls of Sample Points



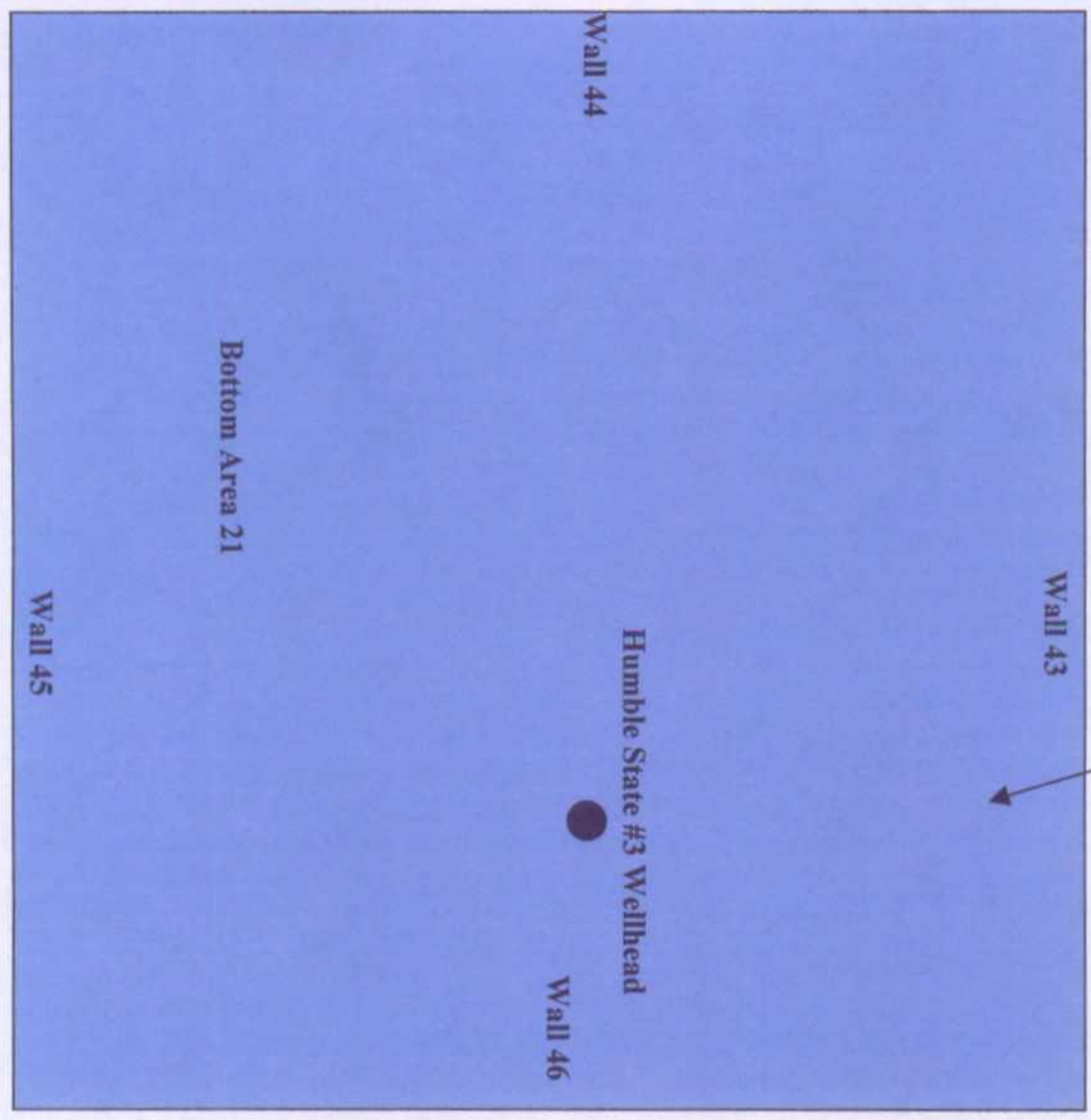
Maralo, LLC
Humble State #3 Tank Battery
 Plat Map of Bottom Areas of
 Sample Points and Dimensions
 of Excavation



Marralo, LLC
Humble State #3 Tank Battery
Plat Map of Humble State #3 Well
and Dimensions of Excavation



110'

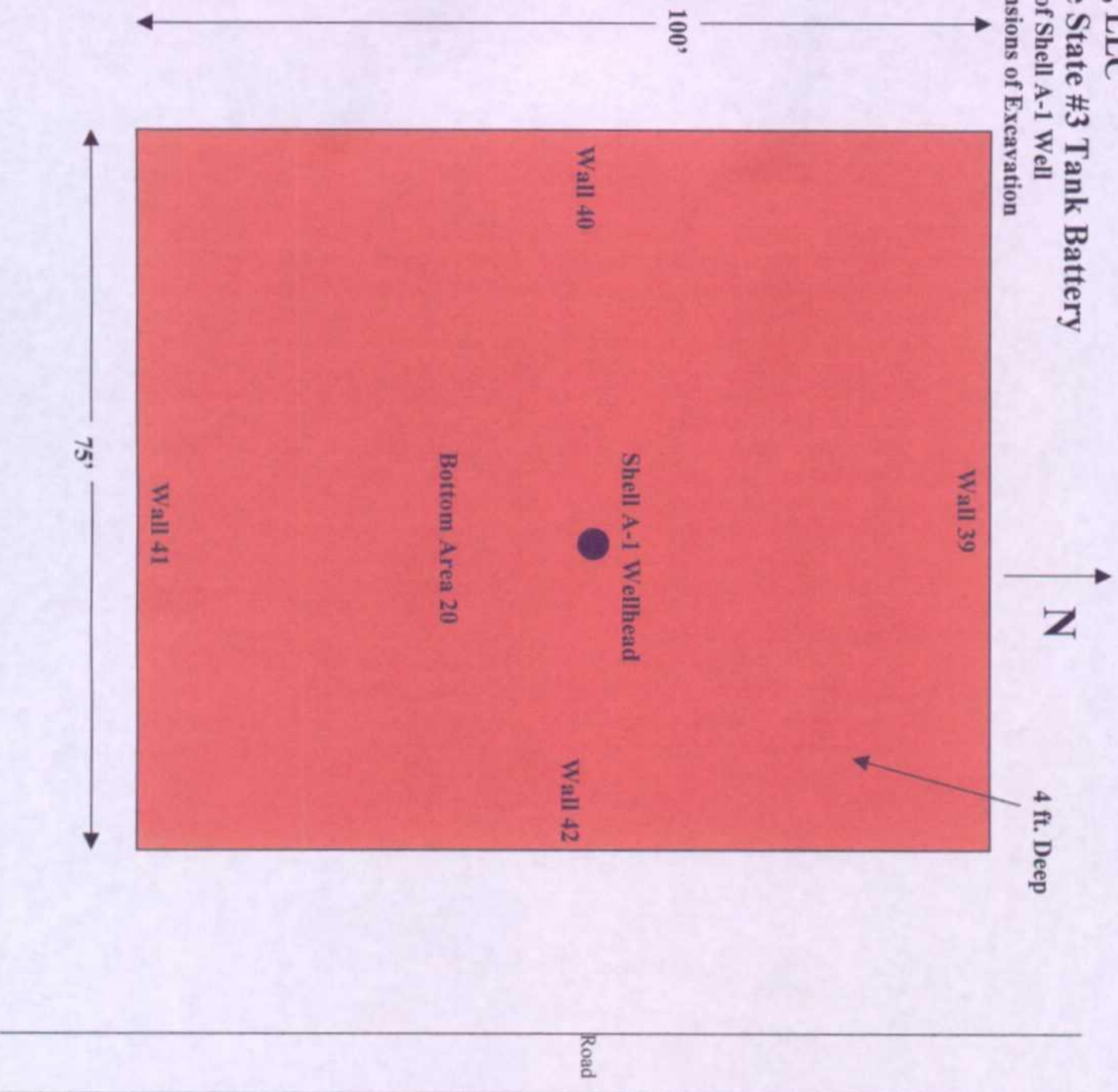


4 ft. Deep

100'

Road

Maralo, LLC
Humble State #3 Tank Battery
Plat Map of Shell A-1 Well
and Dimensions of Excavation



Attachment B

Field Analytical of Wall Sample Points and Drilling Sample Points

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W1A	5-25-06				2.7	
W1B	5-25-06				4.4	
W1C	5-25-06				0.7	
W1D	5-25-06				8.0	
4 pt. Comp. Wall 1	5-25-06		2,167	137		
W2A	5-25-06				0.3	
W2B	5-25-06				1.6	
W2C	5-25-06				0.2	
W2D	5-25-06				0.2	
4 pt. Comp. Wall 2	5-25-06		89	46		
W3A	5-25-06				0.1	
W3B	5-25-06				0.1	
W3C	5-25-06				0.7	
W3D	5-25-06				0.1	
4 pt. Comp. Wall 3	5-25-06		56	147		
W4A	5-25-06				1.6	
W4B	5-25-06				0.1	
W4C	5-25-06				0.9	
W4D	5-25-06				0.4	
4 pt. Comp. Wall 4	5-25-06		10	150		

Analyst Notes W1A - Wall 1 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
W5A	5-25-06				2.7	
W5B	5-25-06				0.1	
W5C	5-25-06				0.2	
W5D	5-25-06				3.1	
4 pt. Comp. Wall 5	5-25-06		20	84		
W6A	5-25-06				0.1	
W6B	5-25-06				0.1	
W6C	5-25-06				3.1	
W6D	5-25-06				2.9	
4 pt. Comp. Wall 6	5-25-06		93	144		
W7A	5-25-06				3.9	
W7B	5-25-06				0.1	
W7C	5-25-06				0.1	
W7D	5-25-06				0.2	
4 pt. Comp. Wall 7	5-25-06		25	140		
W8A	5-25-06				0.1	
W8B	5-25-06				2.1	
W8C	5-25-06				2.3	
W8D	5-25-06				0.1	
4 pt. Comp. Wall 8	5-25-06		13	150		

Analyst Notes W8A - Wall 8 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W9A	5-25-06				0.1	
W9B	5-25-06				0.1	
W9C	5-25-06				0.1	
W9D	5-25-06				0.2	
4 pt. Comp. Wall 9	5-25-06		20	135		
W10A	6-7-06				2.3	
W10B	6-7-06				2.1	
W10C	6-7-06				0.7	
W10D	6-7-06				0.1	
4 pt. Comp. Wall 10	6-7-06		56	182		
W11A	6-7-06				0.1	
W11B	6-7-06				2.1	
W11C	6-7-06				0.1	
W11D	6-7-06				6.2	
4 pt. Comp. Wall 11	6-7-06		33	115		
W12A	6-7-06				0.1	
W12B	6-7-06				0.9	
W12C	6-7-06				1.1	
W12D	6-7-06				0.3	
4 pt. Comp. Wall 12	6-7-06		65	168		

Analyst Notes W12A - Wall 12 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W13A	6-7-06				3.3	
W13B	6-7-06				0.7	
W13C	6-7-06				0.1	
W13D	6-7-06				0.1	
4 pt. Comp. Wall 13	6-7-06		156	218		
W14A	6-7-06				1.1	
W14B	6-7-06				5.1	
W14C	6-7-06				0.1	
W14D	6-7-06				5.9	
4 pt. Comp. Wall 14	6-7-06		23	127		
W15A	6-7-06				0.3	
W15B	6-7-06				0.9	
W15C	6-7-06				0.1	
W15D	6-7-06				2.1	
4 pt. Comp. Wall 15	6-7-06		44	115		
W16A	6-7-06				9.1	
W16B	6-7-06				0.3	
W16C	6-7-06				0.9	
W16D	6-7-06				0.1	
4 pt. Comp. Wall 16	6-7-06		58	139		

Analyst Notes W16A - Wall 16 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
W17A	6-7-06				2.1	
W17B	6-7-06				0.1	
W17C	6-7-06				2.1	
W17D	6-7-06				0.1	
4 pt. Comp. Wall 17	6-7-06		96	78		
W18A	6-7-06				0.1	
W18B	6-7-06				3.1	
W18C	6-7-06				5.3	
W18D	6-7-06				3.3	
4 pt. Comp. Wall 18	6-7-06		35	32		
W19A	6-8-06				0.1	
W19B	6-8-06				0.3	
W19C	6-8-06				7.1	
W19D	6-8-06				0.1	
4 pt. Comp. Wall 19	6-8-06		175	95		
W20A	6-8-06				1.6	
W20B	6-8-06				3.4	
W20C	6-8-06				0.7	
W20D	6-8-06				0.1	
4 pt. Comp. Wall 20	6-8-06		54	111		

Analyst Notes W20A - Wall 20 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
W21A	6-8-06				0.3	
W21B	6-8-06				3.3	
W21C	6-8-06				0.1	
W21D	6-8-06				6.1	
4 pt. Comp. Wall 21	6-8-06		31	122		
W22A	6-14-06				9.2	
W22B	6-14-06				5.7	
W22C	6-14-06				0.1	
W22D	6-14-06				0.3	
4 pt. Comp. Wall 22	6-14-06		47	201		
W23A	6-14-06				5.6	
W23B	6-14-06				0.5	
W23C	6-14-06				0.1	
W23D	6-14-06				0.9	
4 pt. Comp. Wall 23	6-14-06		99	156		
W24A	6-16-06				0.8	
W24B	6-16-06				6.7	
W24C	6-16-06				0.5	
W24D	6-16-06				0.1	
4 pt. Comp. Wall 24	6-16-06		780	68		

Analyst Notes W24A - Wall 24 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W25A	6-14-06				0.1	
W25B	6-14-06				4.9	
W25C	6-14-06				7.3	
W25D	6-14-06				3.5	
4 pt. Comp. Wall 25	6-14-06		178	89		
W26A	6-14-06				0.5	
W26B	6-14-06				1.9	
W26C	6-14-06				10.9	
W26D	6-14-06				0.1	
4 pt. Comp. Wall 26	6-14-06		99	79		
W27A	6-12-06				0.9	
W27B	6-12-06				6.9	
W27C	6-12-06				2.3	
W27D	6-12-06				0.5	
4 pt. Comp. Wall 27	6-12-06		2,890	156		
W28A	6-12-06				9.4	
W28B	6-12-06				0.4	
W28C	6-12-06				0.1	
W28D	6-12-06				0.1	
4 pt. Comp. Wall 28	6-12-06		57	102		

Analyst Notes W28A - Wall 28 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
W29A	6-12-06				0.6	
W29B	6-12-06				4.9	
W29C	6-12-06				0.3	
W29D	6-12-06				6.5	
4 pt. Comp. Wall 29	6-12-06		134	198		
W30A	6-12-06				0.1	
W30B	6-12-06				0.1	
W30C	6-12-06				0.3	
W30D	6-12-06				0.1	
4 pt. Comp. Wall 30	6-12-06		67	122		
W31A	6-12-06				0.9	
W31B	6-12-06				2.9	
W31C	6-12-06				2.7	
W31D	6-12-06				0.3	
4 pt. Comp. Wall 31	6-12-06		90	178		
W32A	6-12-06				0.6	
W32B	6-12-06				7.8	
W32C	6-12-06				3.3	
W32D	6-12-06				0.1	
4 pt. Comp. Wall 32	6-12-06		123	99		

Analyst Notes W30A - Wall 30 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W33A	6-12-06				1.9	
W33B	6-12-06				5.4	
W33C	6-12-06				0.1	
W33D	6-12-06				8.1	
4 pt. Comp. Wall 33	6-12-06		156	154		
W34A	6-12-06				0.1	
W34B	6-12-06				1.1	
W34C	6-12-06				0.1	
W34D	6-12-06				5.3	
4 pt. Comp. Wall 34	6-12-06		199	134		
W35A	6-15-06				0.9	
W35B	6-15-06				2.7	
W35C	6-15-06				1.7	
W35D	6-15-06				0.7	
4 pt. Comp. Wall 35	6-15-06		201	188		
W36A	6-15-06				1.6	
W36B	6-15-06				0.1	
W36C	6-15-06				0.8	
W36D	6-15-06				0.1	
4 pt. Comp. Wall 36	6-15-06		150	130		

Analyst Notes W36A - Wall 36 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W37A	6-15-06				9.6	
W37B	6-15-06				3.4	
W37C	6-15-06				8.7	
W37D	6-15-06				5.7	
4 pt. Comp. Wall 37	6-15-06		315	177		
W38A	6-15-06				5.2	
W38B	6-15-06				0.1	
W38C	6-15-06				0.1	
W38D	6-15-06				10.4	
4 pt. Comp. Wall 38	6-15-06		1,670	89		
W39A	7-10-06				2.7	
W39B	7-10-06				4.4	
W39C	7-10-06				0.7	
W39D	7-10-06				8.0	
4 pt. Comp. Wall 39	7-10-06		2,167	137		
W40A	7-10-06				0.3	
W40B	7-10-06				1.6	
W40C	7-10-06				0.2	
W40D	7-10-06				0.2	
4 pt. Comp. Wall 40	7-10-06		89	46		

Analyst Notes W38A - Wall 38 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
W41A	7-10-06				0.1	
W41B	7-10-06				0.1	
W41C	7-10-06				0.7	
W41D	7-10-06				0.1	
4 pt. Comp. Wall 41	7-10-06		56	147		
W42A	7-10-06				1.6	
W42B	7-10-06				0.1	
W42C	7-10-06				0.9	
W42D	7-10-06				0.4	
4 pt. Comp. Wall 42	7-10-06		10	150		
W43A	7-10-06				2.7	
W43B	7-10-06				0.1	
W43C	7-10-06				0.2	
W43D	7-10-06				3.1	
4 pt. Comp. Wall 43	7-10-06		20	84		
W44A	7-10-06				0.1	
W44B	7-10-06				0.1	
W44C	7-10-06				3.1	
W44D	7-10-06				2.9	
4 pt. Comp. Wall 44	7-10-06		93	144		

Analyst Notes W44A - Wall 44 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
W45A	7-10-06				3.9	
W45B	7-10-06				0.1	
W45C	7-10-06				0.1	
W45D	7-10-06				0.2	
4 pt. Comp. Wall 45	7-10-06		25	140		
W46A	7-10-06				0.1	
W46B	7-10-06				2.1	
W46C	7-10-06				2.3	
W46D	7-10-06				0.1	
4 pt. Comp. Wall 46	7-10-06		13	150		
A	4-2005	5'			0.01	
A	4-2005	10'			332	
A	4-2005	15'			356	
A	4-2005	20'			394	
A	4-2005	25'			189	
A	4-2005	30'			226	
A	4-2005	35'			31.1	
A	4-2005	40'			17.7	
B	4-2005	5'			0.01	
B	4-2005	10'			332	

Analyst Notes W46A - Wall 46 Point A

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
B	4-2005	15'			356	
B	4-2005	20'			394	
B	4-2005	25'			189	
B	4-2005	30'			226	
B	4-2005	35'			31	
B	4-2005	40'			17.7	
C	4-2005	5'			230	
C	4-2005	10'			304	
C	4-2005	15'			329	
C	4-2005	20'			504	
C	4-2005	25'			312	
C	4-2005	30'			977	
C	4-2005	35'			502	
C	4-2005	40'			223	
C	4-2005	45'			67	
C	4-2005	50'			28	
D	4-2005	5'			2.7	
D	4-2005	10'			1.7	
D	4-2005	15'			21.8	
D	4-2005	20'			25.7	

Analyst Notes D – Sample Point D

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
D	4-2005	25'			11.2	
D	4-2005	30'			2.2	
E	4-2005	5'			38.4	
E	4-2005	10'			313	
E	4-2005	15'			329	
E	4-2005	20'			504	
E	4-2005	25'			312	
E	4-2005	30'			977	
E	4-2005	35'			502	
E	4-2005	40'			223	
E	4-2005	45'			67	
E	4-2005	50'			28	
F	4-2005	5'			458	
F	4-2005	10'			482	
F	4-2005	15'			284	
F	4-2005	20'			222	
F	4-2005	25'			27.3	
F	4-2005	30'			8.3	
G	4-2005	5'			308	
G	4-2005	10'			312	

Analyst Notes F – Sample Point F

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
G	4-2005	15'			310	
G	4-2005	20'			286	
G	4-2005	25'			41.4	
G	4-2005	30'			21	
H	4-2005	5'			0.1	
H	4-2005	10'			0.1	
H	4-2005	15'			2.8	
H	4-2005	20'			0.1	
H	4-2005	25'			0.1	
H	4-2005	30'			0.1	
I	4-2005	5'			135	
I	4-2005	10'			651	
I	4-2005	15'			944	
I	4-2005	20'			769	
I	4-2005	25'			1,120	
I	4-2005	30'			837	
I	4-2005	35'			84.4	
I	4-2005	40'			99.3	
I	4-2005	45'			33.3	
I	4-2005	50'			92.9	

Analyst Notes I – Sample Point I

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
I	4-2005	55'			26.1	
I	4-2005	60'			29.5	
J	4-2005	5'			307	
J	4-2005	10'			519	
J	4-2005	15'			525	
J	4-2005	20'			622	
J	4-2005	25'			292	
J	4-2005	30'			271	
J	4-2005	35'			231	
J	4-2005	40'			326	
J	4-2005	45'			329	
J	4-2005	50'			201	
J	4-2005	55'			269	
J	4-2005	60'			307	
J	4-2005	65'			84.3	
J	4-2005	70'			39.1	
K	4-2005	5'			291	
K	4-2005	10'			426	
K	4-2005	15'			311	
K	4-2005	20'			267	

Analyst Notes K – Sample Point K

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC

Analyst Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
K	4-2005	25'			268	
K	4-2005	30'			56.7	
K	4-2005	35'			24.4	
K	4-2005	40'			33.6	
L	4-2005	5'			0.6	
L	4-2005	10'			0.1	
L	4-2005	15'			2.2	
L	4-2005	20'			0.1	
L	4-2005	25'			0.1	
L	4-2005	30'			0.1	
M	4-2005	5'			23.5	
M	4-2005	10'			3.3	
M	4-2005	15'			2.5	
M	4-2005	20'			0.1	
M	4-2005	25'			0.2	
N	4-2005	5'			0.1	
N	4-2005	10'			0.6	
N	4-2005	15'			9.1	
N	4-2005	20'			4.7	
N	4-2005	25'			3	

Analyst Notes L – Sample Point L

Analyst Signature _____

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Maralo, LLC **Analyst** Logan Anderson

Site Humble State #3 Tank Battery

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
O	4-2005	5'			0.1	
O	4-2005	10'			0.1	
O	4-2005	15'			0.1	
O	4-2005	20'			0.1	

Analyst Notes O – Sample Point O

Analyst Signature _____

Attachment C

**Summary of Lab Analytical of Wall
Sample Points, Bottom Sample Points,
and Drilling Sample Points**

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M Mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
W1A	ND	ND			
W1B	ND	ND			
W1C	ND	ND			
W1D	ND	ND			
4 pt. Comp. Wall 1			1,230	2,050	27.3
W2A	ND	ND			
W2B	ND	ND			
W2C	ND	ND			
W2D	ND	ND			
4 pt. Comp. Wall 2			27.5	149	24.5
W3A	ND	ND			
W3B	ND	ND			
W3C	ND	ND			
W3D	ND	ND			
4 pt. Comp. Wall 3			27.4	146	25.2
W4A	ND	ND			
W4B	ND	ND			
W4C	ND	ND			
W4D	ND	ND			
4 pt. Comp. Wall 4			ND	89.8	24.1
W5A	ND	ND			
W5B	ND	ND			
W5C	ND	ND			
W5D	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene Mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
4 pt. Comp. Wall 5			ND	54.5	24.7
W6A	ND	ND			
W6B	ND	ND			
W6C	ND	ND			
W6D	ND	ND			
4 pt. Comp. Wall 6			24.1	208	76.5
W7A	ND	ND			
W7B	ND	ND			
W7C	ND	ND			
W7D	ND	ND			
4 pt. Comp. Wall 7			ND	104	32.8
W8A	ND	ND			
W8B	ND	ND			
W8C	ND	ND			
W8D	ND	ND			
4 pt. Comp. Wall 8			ND	113	25.2
W9A	ND	ND			
W9B	ND	ND			
W9C	ND	ND			
W9D	ND	ND			
4 pt. Comp. Wall 9			ND	180	20.5
W10A	ND	ND			
W10B	ND	ND			
W10C	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
W10D	ND	ND			
4 pt. Comp. Wall 10			ND	ND	34.5
W11A	ND	ND			
W11B	ND	ND			
W11C	ND	ND			
W11D	ND	ND			
4 pt. Comp. Wall 11			ND	ND	13.8
W12A	ND	ND			
W12B	ND	ND			
W12C	ND	0.0913			
W12D	ND	0.0403			
4 pt. Comp. Wall 12			ND	ND	12.3
W13A	ND	ND			
W13B	ND	ND			
W13C	ND	ND			
W13D	ND	ND			
4 pt. Comp. Wall 13			ND	ND	14.8
W14A	ND	0.2043			
W14B	ND	ND			
W14C	ND	0.0327			
W14D	ND	ND			
4 pt. Comp. Wall 14			182	938	17.7
W15A	ND	ND			
W15B	ND	0.727			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
W15C	ND	ND			
W15D	ND	ND			
4 pt. Comp. Wall 15			21.3	68.5	28.3
W16A	ND	ND			
W16B	ND	ND			
W16C	ND	ND			
W16D	ND	ND			
4 pt. Comp. Wall 16			135	316	12.6
W17A	ND	ND			
W17B	ND	ND			
W17C	ND	ND			
W17D	ND	ND			
4 pt. Comp. Wall 17			ND	35	14.6
W18A	ND	ND			
W18B	ND	ND			
W18C	ND	ND			
W18D	ND	ND			
4 pt. Comp. Wall 18			ND	12.5	48
W19A	ND	ND			
W19B	ND	ND			
W19C	ND	ND			
W19D	ND	ND			
4 pt. Comp. Wall 19			ND	181	11.1
W20A	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
W20B	ND	ND			
W20C	ND	ND			
W20D	ND	ND			
4 pt. Comp. Wall 20			ND	ND	12.7
W21A	ND	ND			
W21B	ND	ND			
W21C	ND	ND			
W21D	ND	ND			
4 pt. Comp. Wall 21			ND	ND	12.3
W22A	ND	ND			
W22B	ND	ND			
W22C	ND	ND			
W22D	ND	ND			
4 pt. Comp. Wall 22			ND	160	15.6
W23A	ND	ND			
W23B	ND	ND			
W23C	ND	ND			
W23D	ND	ND			
4 pt. Comp. Wall 23			ND	99.4	14
W24A	ND	ND			
W24B	ND	ND			
W24C	ND	ND			
W24D	ND	ND			
4 pt. Comp. Wall 24			235	441	26.2

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene Mg/kg	BTEX mg/kg	TPH 8015M Mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
W25A	ND	ND			
W25B	ND	ND			
W25C	ND	ND			
W25D	ND	ND			
4 pt. Comp. Wall 25			59.6	122	13.8
W26A	ND	ND			
W26B	ND	ND			
W26C	ND	0.1663			
W26D	ND	ND			
4 pt. Comp. Wall 26			37.5	94	13.3
W27A	ND	ND			
W27B	ND	ND			
W27C	ND	ND			
W27D	ND	ND			
4 pt. Comp. Wall 27			1,160	1,960	42.8
W28A	ND	ND			
W28B	ND	ND			
W28C	ND	ND			
W28D	ND	ND			
4 pt. Comp. Wall 28			ND	ND	28.5
W29A	ND	ND			
W29B	ND	ND			
W29C	ND	ND			
W29D	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M Mg/kg	TPH 418.1 Mg/kg	Chloride mg/kg
4 pt. Comp. Wall 29			ND	53.6	31.8
W30A	ND	ND			
W30B	ND	ND			
W30C	ND	ND			
W30D	ND	ND			
4 pt. Comp. Wall 30			ND	50.2	18.9
W31A	ND	ND			
W31B	ND	ND			
W31C	ND	ND			
W31D	ND	ND			
4 pt. Comp. Wall 31			ND	52.7	13.5
W32A	ND	ND			
W32B	ND	ND			
W32C	ND	ND			
W32D	ND	ND			
4 pt. Comp. Wall 32			ND	50.7	68
W33A	ND	ND			
W33B	ND	ND			
W33C	ND	ND			
W33D	ND	ND			
4 pt. Comp. Wall 33			ND	60.5	15
W34A	ND	ND			
W34B	ND	ND			
W34C	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical**Client** Maralo, LLC**Site** Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX Mg/kg	TPH 8015M Mg/kg	TPH 418.1 Mg/kg	Chloride mg/kg
W34D	ND	ND			
4 pt. Comp. Wall 34			ND	62.6	18.2
W35A	ND	ND			
W35B	ND	ND			
W35C	ND	ND			
W35D	ND	ND			
4 pt. Comp. Wall 35			ND	88.6	37.7
W36A	ND	ND			
W36B	ND	ND			
W36C	ND	ND			
W36D	ND	ND			
4 pt. Comp. Wall 36			ND	84.9	12.1
W37A	ND	ND			
W37B	ND	ND			
W37C	ND	ND			
W37D	ND	ND			
4 pt. Comp. Wall 37			34.7	191	35.3
W38A	ND	ND			
W38B	ND	ND			
W38C	ND	ND			
W38D	ND	ND			
4 pt. Comp. Wall 38			398	1,440	14
W39A	ND	ND			
W39B	ND	ND			

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX Mg/kg	TPH 8015M Mg/kg	TPH 418.1 Mg/kg	Chloride mg/kg
W39C	ND	ND			
W39D	ND	ND			
4 pt. Comp. Wall 39			201	736	13.2
W40A	ND	ND			
W40B	ND	ND			
W40C	ND	ND			
W40D	ND	ND			
4 pt. Comp. Wall 40			ND	95.2	12.9
W41A	ND	ND			
W41B	ND	ND			
W41C	ND	ND			
W41D	ND	ND			
4 pt. Comp. Wall 41			11.3	220	12.4
W42A	ND	ND			
W42B	ND	ND			
W42C	ND	ND			
W42D	ND	ND			
4 pt. Comp. Wall 42			ND	88.4	14.0
W43A	ND	ND			
W43B	ND	0.0278			
W43C	ND	0.0632			
W43D	ND	ND			
4 pt. Comp. Wall 43			107	262	ND
W44A	ND	ND			

P.O. Box 14167 Odessa, TX 79768

Client Maralo, LLC

Site Humble State #3 Tank Battery

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Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M Mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
B1A	ND	ND	58.7	267	25.5
B1B	ND	ND	43.8	187	28.6
B1C	ND	ND	ND	43.8	55.4
B1D	ND	ND	695	915	25.5
B1E	ND	ND	ND	46.9	34.4
B2A	ND	ND	43.1	159	25.9
B2B	ND	ND	1,320	1,820	57.1
B2C	ND	ND	109	326	53.8
B2D	ND	ND	123	261	57.3
B2E	ND	ND	19.1	116	24.3
B3A	ND	0.0348	11,400	17,400	32.9
B3B	ND	0.1329	1,380	20,000	14.6
B3C	ND	ND	11,400	17,800	24.2
B3D	ND	0.1292	13,100	22,800	38.8
B3E	ND	0.1020	536	12,700	11.8
B4A	ND	ND	132	765	14.7
B4B	ND	ND	119	335	30.9
B4C	ND	ND	634	1,200	41.6
B4D	ND	ND	120	320	28.2
B4E	ND	ND	10.3	112	48.2
B5A	ND	ND	2,390	5,790	15.2
B5B	ND	ND	235	603	12.9
B5C	ND	ND	63.4	378	113
B5D	ND	ND	40.1	83.3	37.8

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene Mg/kg	BTEX mg/kg	TPH 8015M Mg/kg	TPH 418.1 Mg/kg	Chloride mg/kg
B5E	ND	ND	ND	66.6	14.2
B6A	ND	ND	ND	67.4	532
B6B	ND	ND	ND	28.0	16.1
B6C	ND	ND	5,280	15,900	16.7
B6D	ND	ND	218	652	16.0
B6E	ND	ND	ND	51.0	205
B7A	ND	ND	1,000	2,380	14.6
B7B	ND	ND	17.3	78.7	11.7
B7C	ND	ND	1,010	1,910	13.7
B7D	ND	ND	2,600	3,490	13.4
B7E	ND	ND	737	2,060	12.2
B8A	ND	ND	263	3,900	22.3
B8B	ND	ND	5,380	14,600	17.4
B8C	ND	ND	90.1	313	17.2
B8D	ND	ND	324	1,710	12.4
B8E	ND	0.2030	20,300	27,800	28.1
B9A	ND	ND	23.8	107	90.2
B9B	ND	1.2238	11,700	23,200	12
B9C	ND	ND	6,780	10,800	80.7
B9D	ND	ND	ND	27.3	14.8
B9E	ND	0.7935	5,500	16,000	13.4
B10A	ND	ND	ND	56.0	19.8
B10B	ND	ND	ND	41.8	13.3
B10C	ND	ND	55.3	176	58.9

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
B10D	ND	ND	ND	ND	12.2
B10E	ND	ND	ND	53.7	12.4
B11A	ND	ND	ND	14.6	20.0
B11B	ND	ND	757	2,290	20.7
B11C	ND	ND	95.7	138	12.0
B11D	ND	ND	ND	80.0	11.2
B11E	ND	0.2652	4,900	11,500	17.1
B12A	ND	ND	432	665	33.2
B12B	ND	ND	ND	48.3	12.0
B12C	ND	ND	ND	91.7	22.5
B12D	ND	ND	ND	149	12.2
B12E	ND	ND	ND	222	12.8
B13A	ND	ND	163	617	32.0
B13B	ND	ND	1,340	2,660	22.2
B13C	ND	ND	3,060	5,530	18.6
B13D	ND	ND	2,150	4,810	24.8
B13E	ND	ND	2,960	5,060	24.2
B14A	ND	ND	818	1,880	37.1
B14B	ND	ND	2,900	10,500	16.3
B14C	ND	ND	523	1,270	28.6
B14D	ND	ND	1,790	9,980	25.7
B14E	ND	ND	ND	ND	11.5
B15A	ND	ND	128	202	23.0
B15B	ND	ND	358	702	14.4

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
B15C	ND	ND	ND	84.0	13.5
B15D	ND	ND	622	1,050	31.4
B15E	ND	0.0264	10,900	20,000	60.7
B16A	ND	ND	6,360	12,400	28.9
B16B	ND	0.8229	6,020	14,400	13.8
B16C	ND	ND	44.3	136	96.1
B16D	ND	ND	399	742	58.7
B16E	ND	ND	4,210	8,070	25.9
B17A	ND	19.551	12,700	32,500	29.2
B17B	ND	ND	47.6	153	56.3
B17C	ND	.9320	4,010	10,400	17.4
B17D	ND	ND	267	836	28.6
B17E	ND	ND	1,150	1,250	35.9
B18A	ND	ND	6,360	18,200	225
B18B	ND	ND	1,070	1,590	42.2
B18C	ND	ND	699	1,190	33.0
B18D	ND	ND	120	401	162
B18E	ND	ND	587	1,490	135
B19A	ND	0.0908	14,700	37,800	963
B19B	ND	ND	149	369	107
B19C	ND	0.5754	6,860	12,300	304
B19D	ND	0.1864	8,180	25,100	213
B19E	ND	0.1785	16,100	52,800	64.6
B20A	ND	ND	ND	164	25.9

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene Mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
B20B	ND	ND	ND	90.7	13.0
B20C	ND	ND	39.7	145	14.6
B20D	ND	ND	ND	75.5	12.7
B20E	ND	ND	7,600	18,800	27.5
B21A	ND	ND	34.1	152	21.3
B21B	ND	ND	93.9	308	ND
B21C	ND	ND	174	269	138
B21D	ND	ND	ND	12.9	ND
B21E	ND	ND	5,770	9,430	ND
B22A	ND	ND	110	126	15.1
B22B	ND	ND	ND	106	12.7
B22C	ND	ND	153	329	13.3
B22D	ND	ND	207	333	14.8
B22E	ND	ND	ND	ND	12.4
A @ 25'			146		24.6
B @ 30'			104		35.5
B @ 40'			155		45.1
C @ 50'			419		40.1
D @ 30'			ND		16.1
E @ 40'			7,290		65.3
E @ 50'			505		52.7
F @ 30'			184		93.9
G @ 30'			159		180

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Summary of Lab Analytical

Client Maralo, LLC

Site Humble State #3 Tank Battery

Sample ID	Benzene Mg/kg	BTEX mg/kg	TPH 8015M mg/kg	TPH 418.1 mg/kg	Chloride mg/kg
H @ 30'			ND		37.7
I @ 30'			563		33.2
I @ 60'			ND		42.9
J @ 60'			3,600		175
J @ 70'			173		209
K @ 40'			215		220
L @ 30'			ND		106
Shell A#1 M @ 25'			ND		899
Shell A#1 N @ 25'			ND		662
Humble State #3 O @ 20'			ND		467
Backfill @ 11'	ND	ND	ND		ND

Sample ID	Mercury	Chromium	Arsenic	Selenium	Silver
Backfill @ 11'	ND	ND	ND	ND	ND

Sample ID	Cadmium	Barium	Lead		
Backfill @ 11'	ND	0.0229	ND		

Backfill @ 11' is the soil that was excavated from the P & A wells and backfilled in the bottom of the Tank Battery Site excavation.
The sample was analyzed using EPA Method 1312 SPLP, then the analysis shown above.

Attachment D

Pictures of Site Before Excavation



North facing South at Test Points A, B, and E before excavation



West facing East at Test Point E before excavation



South facing North at Test Points L and F before excavation



South facing North between Test Points G and H before excavation



South facing North at Test Points I, J and K before excavation



North facing South at Test Points K, J and I before excavation



West facing East at contamination West of Test Point P



West facing East at Test Point P before excavation

Attachment E

Pictures of Site During Excavation



Dozer excavating caontaminated soil at Test Point F at 2' deep

4-27-06



South facing North at Test Point E at 8' deep

5-3-00



South facing North at Test Point G at 4' deep



South facing North at Test Point H at 5' deep

5-3-06



Dozer excavating contaminated soil at Test Point F at 6' deep



Dozer and Trachoe excavating contaminated soil between Test Point H and G



South facing North at Test Point P at 5' deep



Dozer and Trackhoe excavating contaminated soil North of Test Point G



Trackhoe excavating contaminated soil on South wall of Test Point E



Trackhoe excavating contaminated soil on North wall of Test Point G



North facing South at Test Point J at 4' deep



East facing West at Test Point A with dozer pushing contaminated soil



South facing North at Test Points J and K



Dozer excavating contaminated soil at Humble State #3 well



West facing East at vein East of Test Point B



South facing North at Shell A-1 well at 4' deep



North facing South at Southeast section of excavation



Northeast facing Southwest at Southwest section of excavation



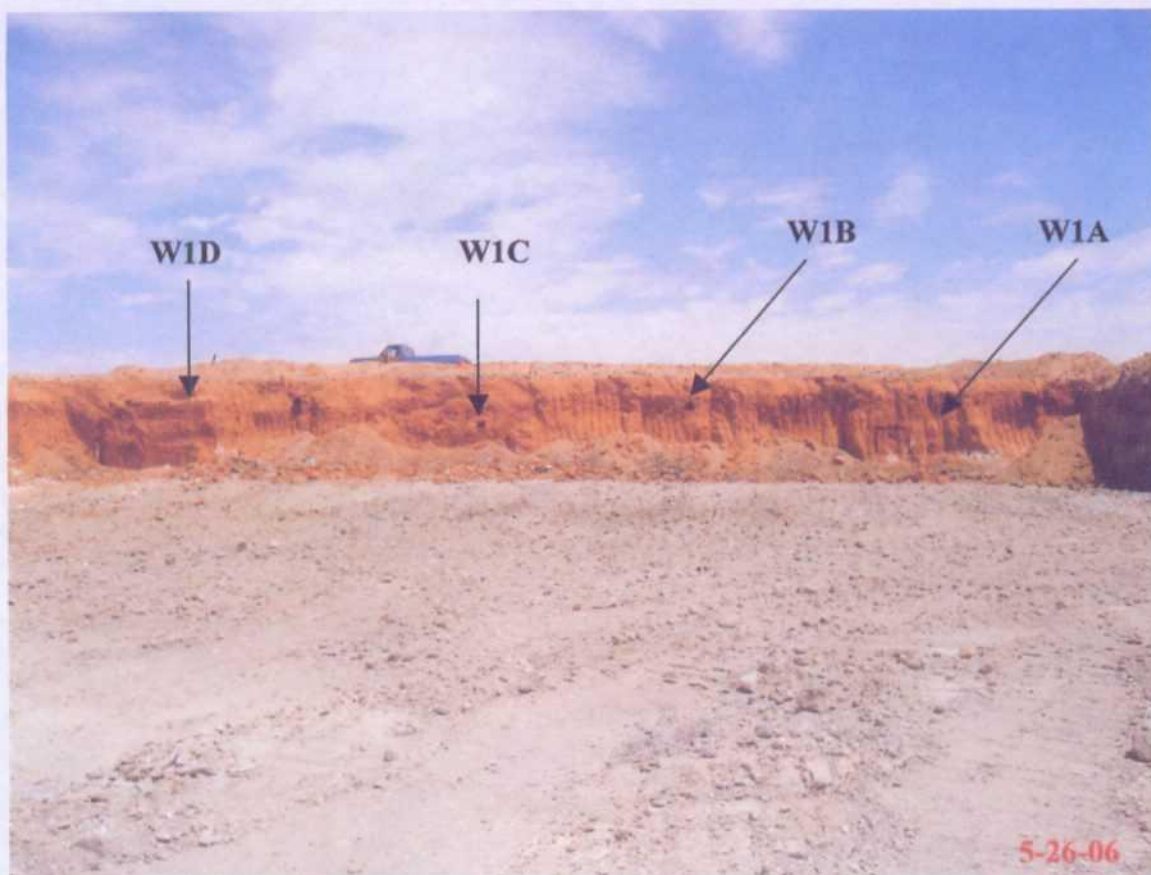
North facing South at Southeast section of excavation



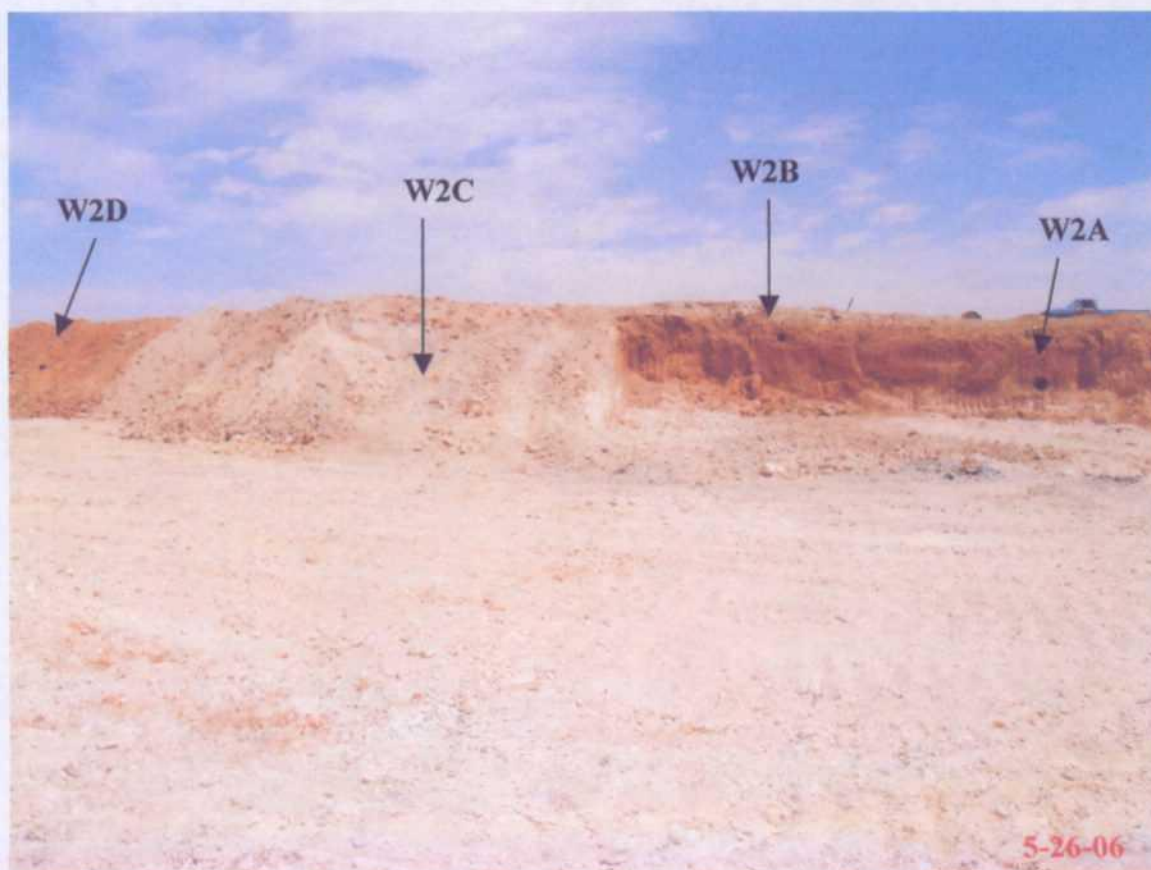
Northeast facing Southwest at Southwest section of excavation

Attachment F

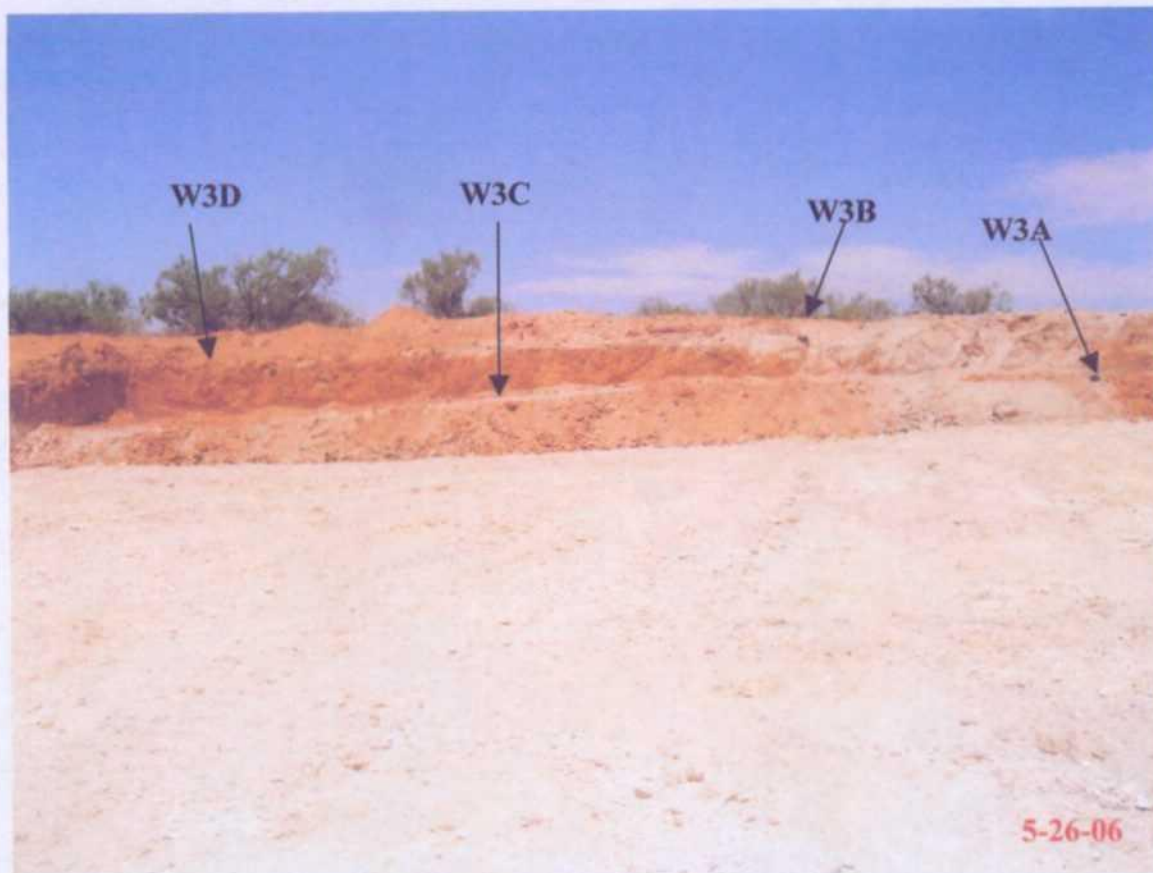
**Pictures of Walls and Sample Points
After Excavation**



Sample Points of Wall 1 (North wall of Test Point G & F)



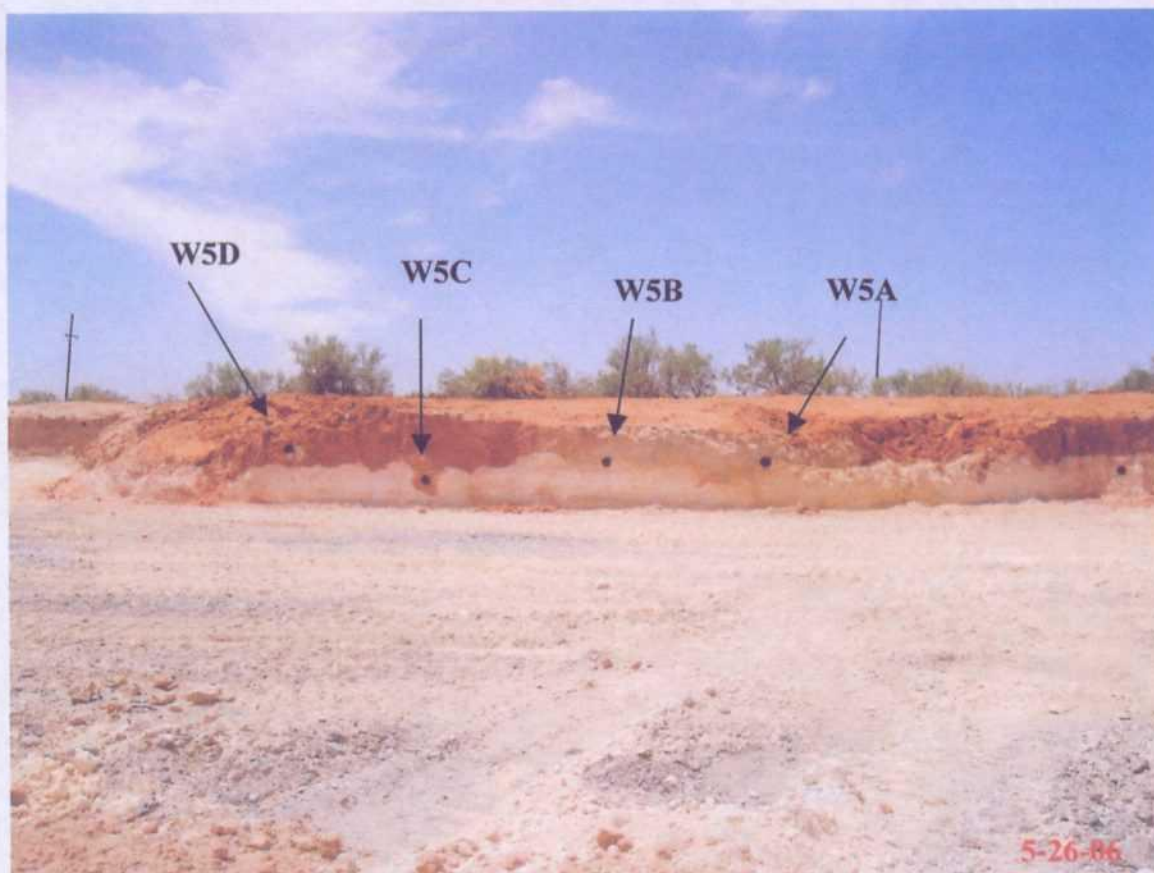
Sample Points of Wall 2 (North wall of Test Point H)



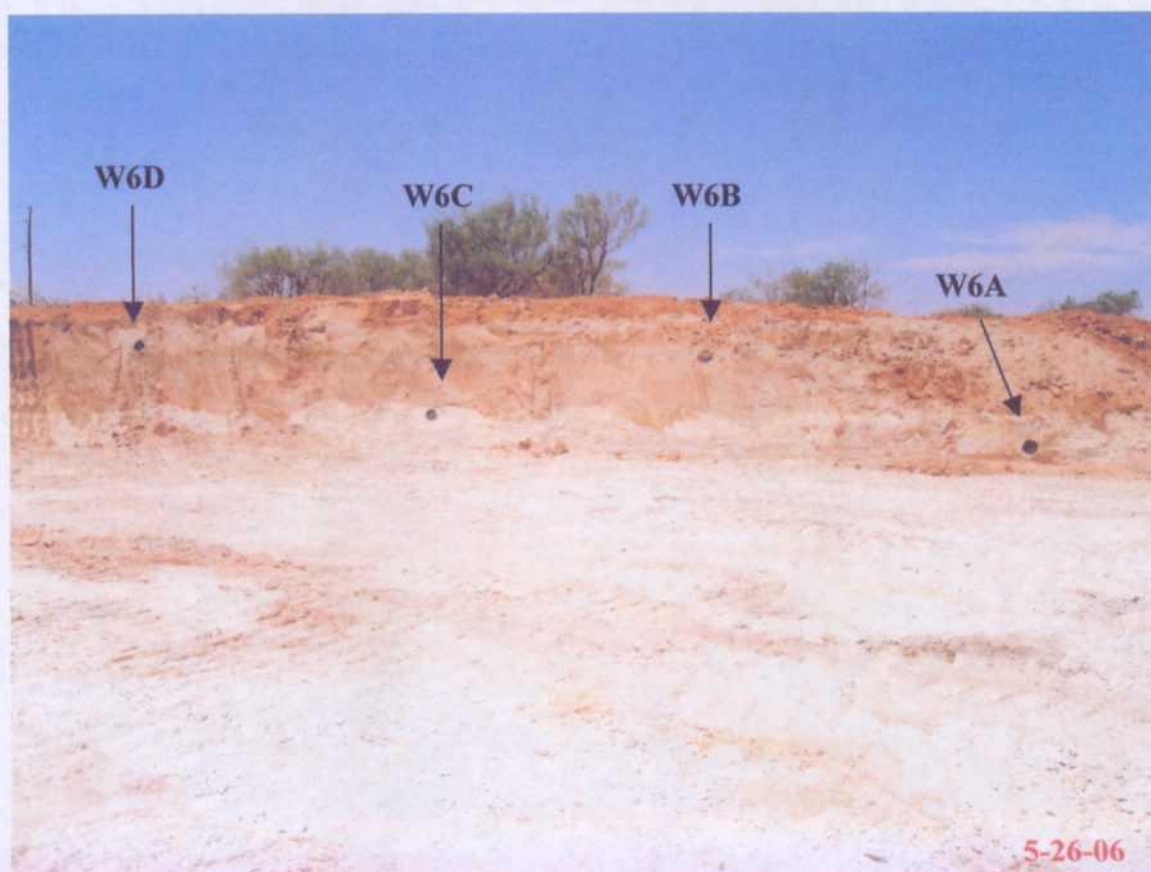
Sample Points of Wall 3 (West wall of Test Point H)



Sample Points of Wall 4 (South wall of Test Point H)



Sample Points of Wall 5 (South wall between Test Point H & G)



Sample Points of Wall 6 (West wall of Test Point L)



Sample Points of Wall 7 (South wall of Test Point L)



Sample Points of Wall 8 (East wall of Test Point L)



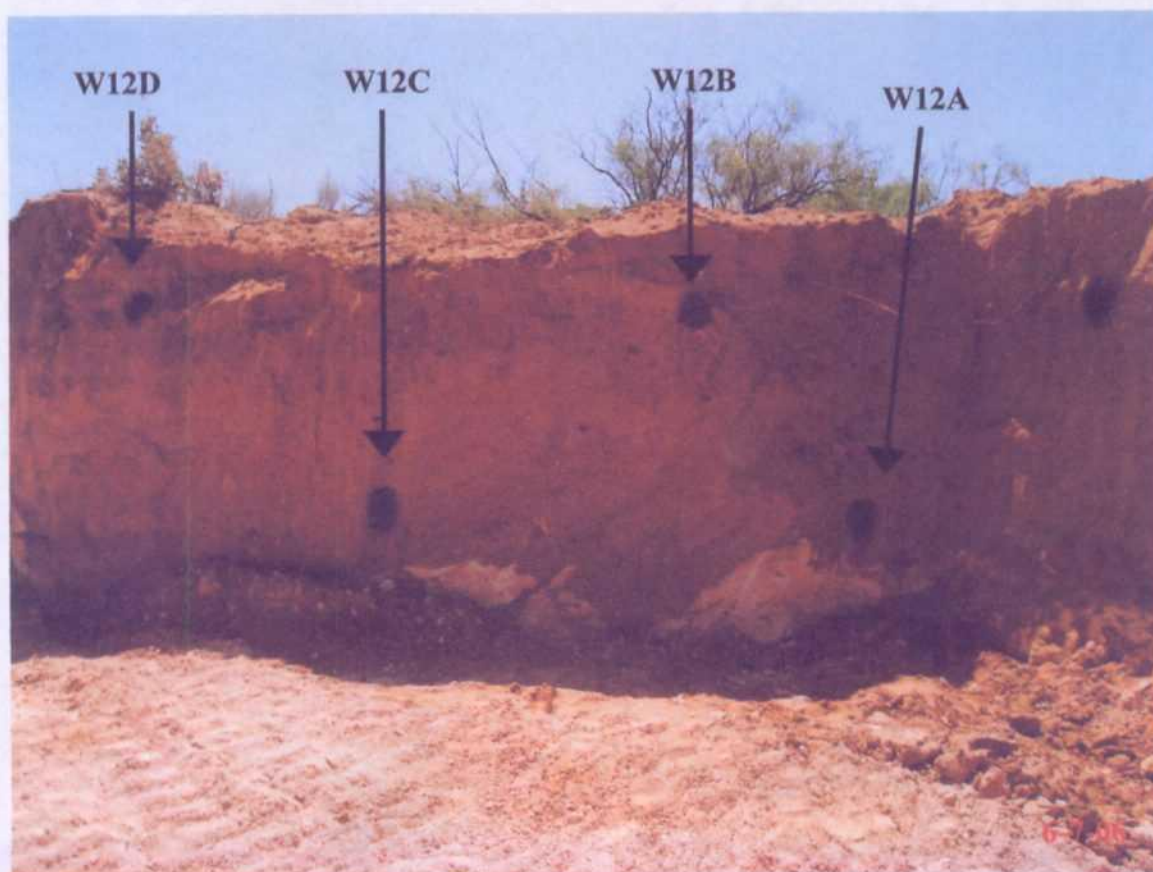
Sample Points of Wall 9 (South wall between Test Points F & D)



Sample Points of Wall 10 (West wall of Test Point D)



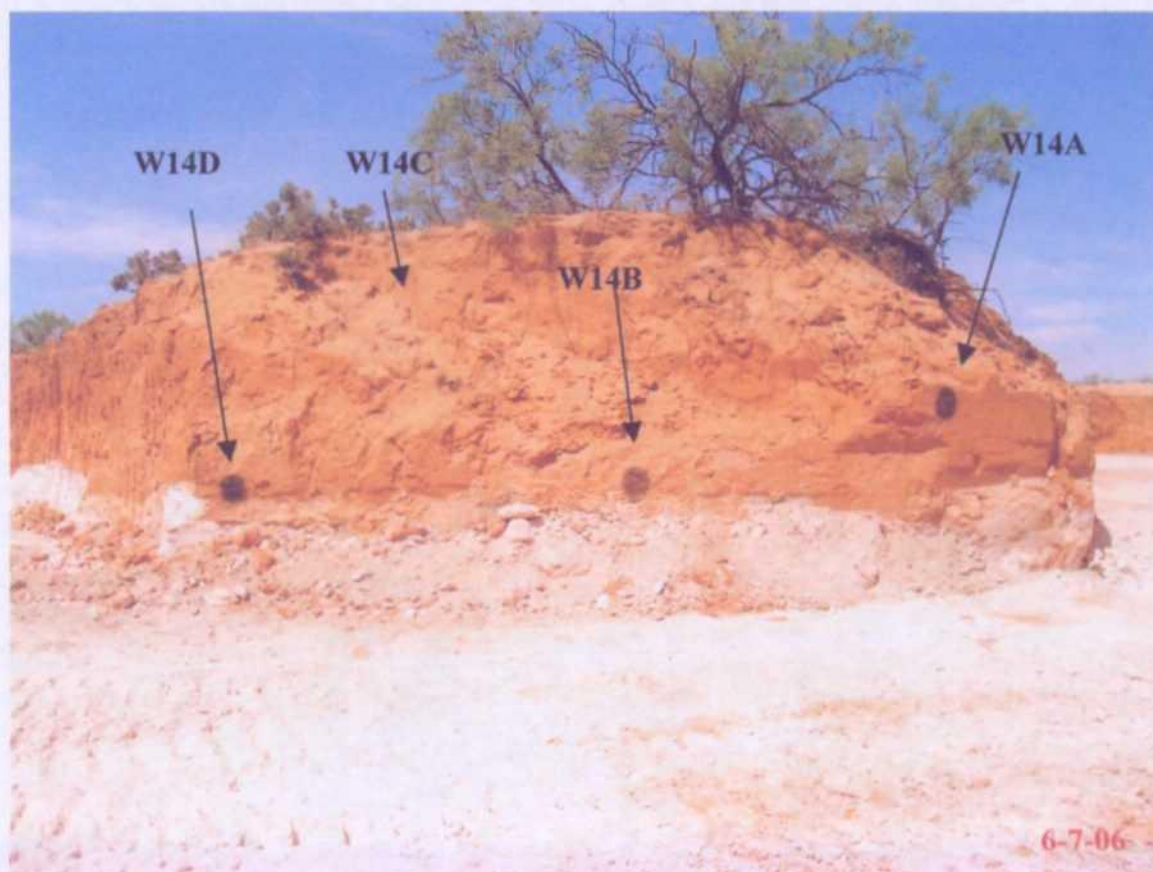
Sample Points of Wall 11 (South wall of Test Point D)



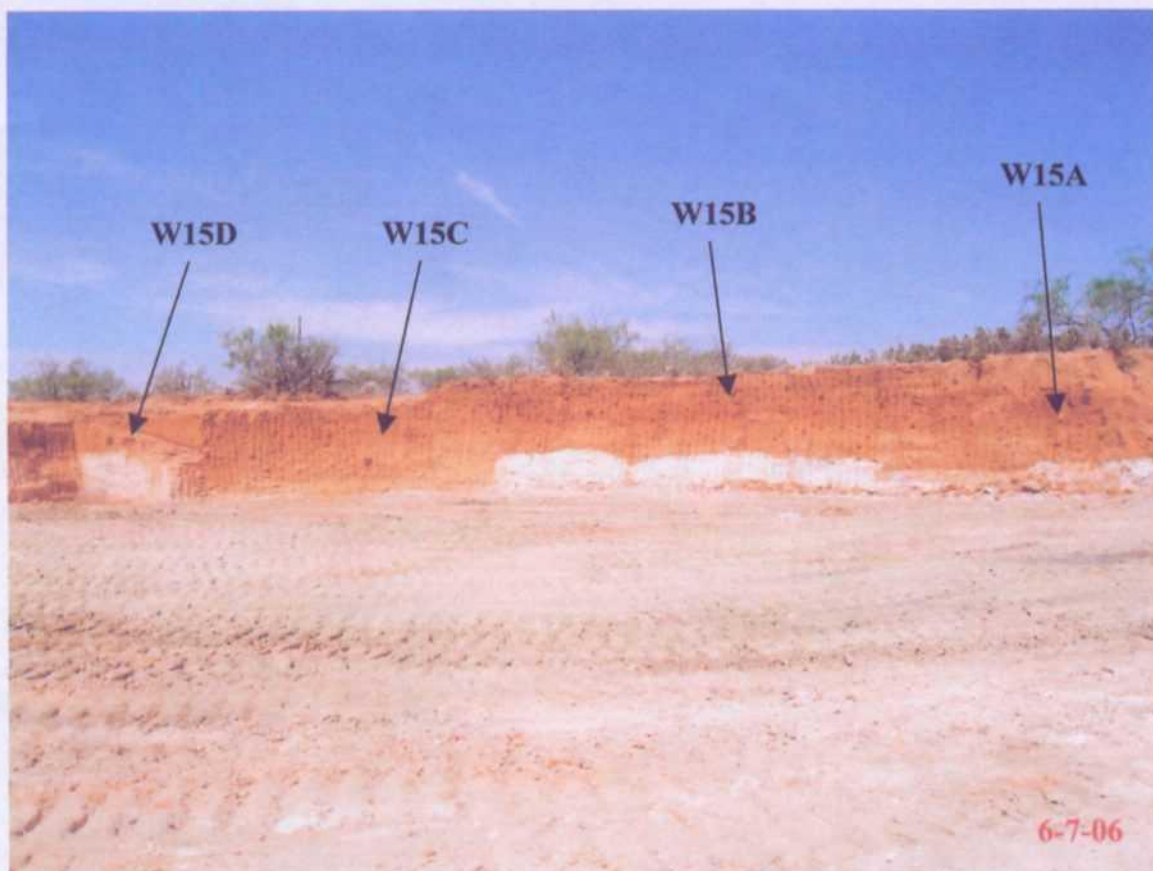
Sample Points of Wall 12



Sample Points of Wall 13 (South wall of Test Point C)



Sample Points of Wall 14 (West wall between Test Points B & E)



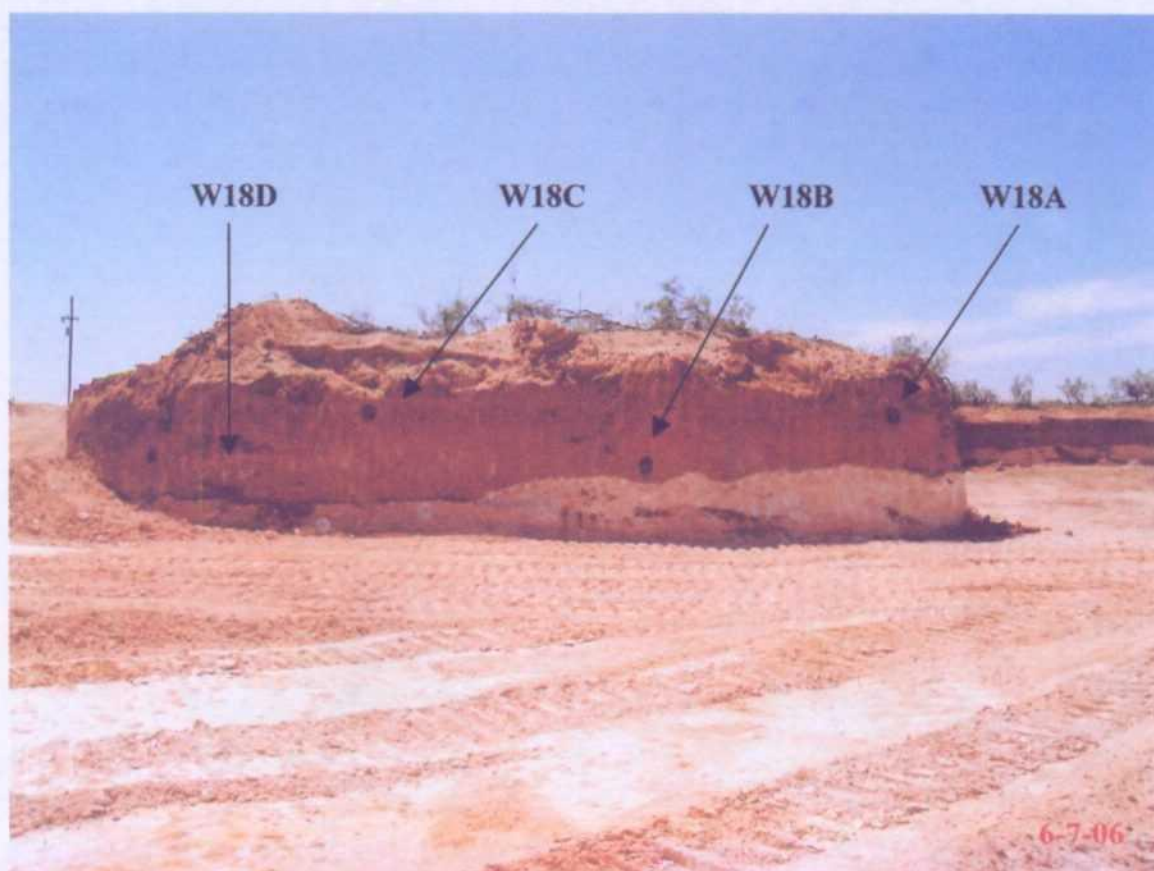
Sample Points of Wall 15 (West wall of Test Point E)



Sample Points of Wall 16 (South wall of Test Point E)



Sample Points of Wall 17 (East wall of Test Point E)



Sample Points of Wall 18 (Southeast wall of Test Point B)



Sample Points of Wall 19



Sample Points Wall 20



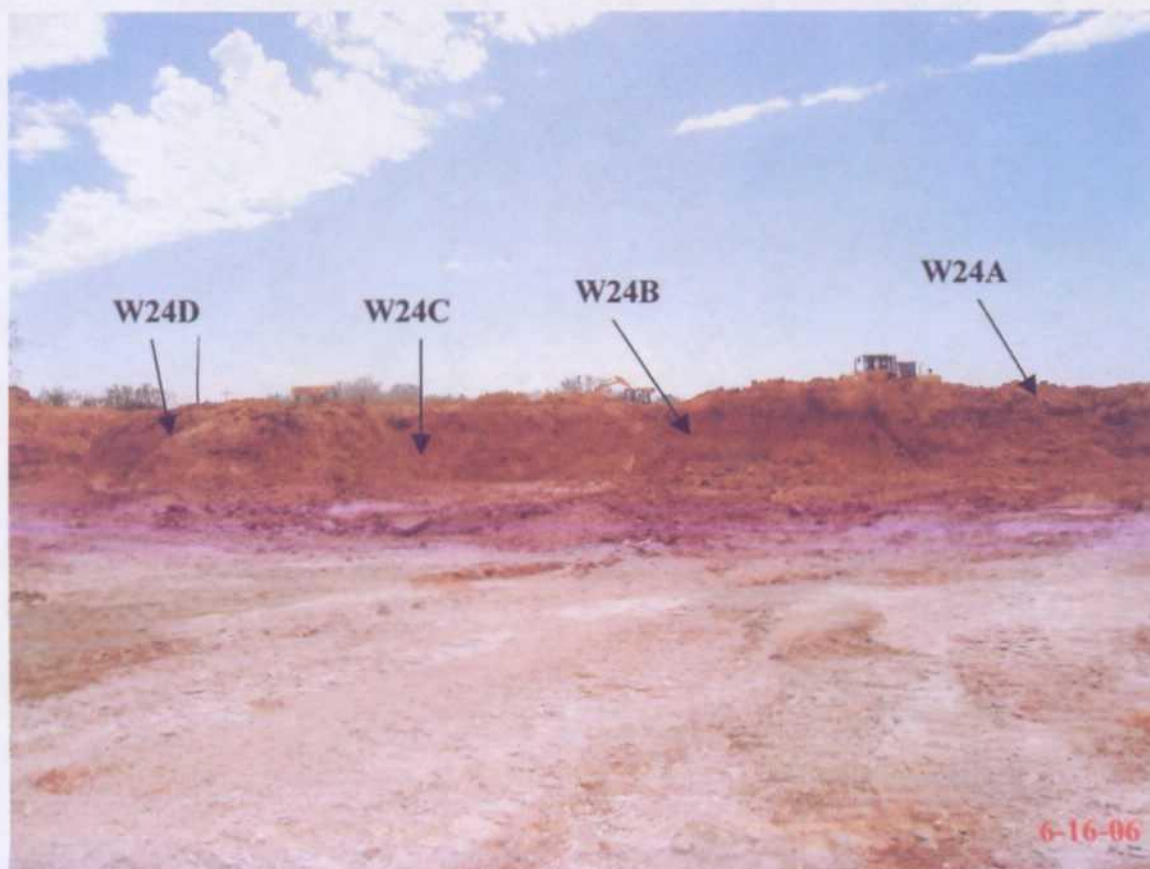
Sample Points of Wall 21 (East wall of Test Point A)



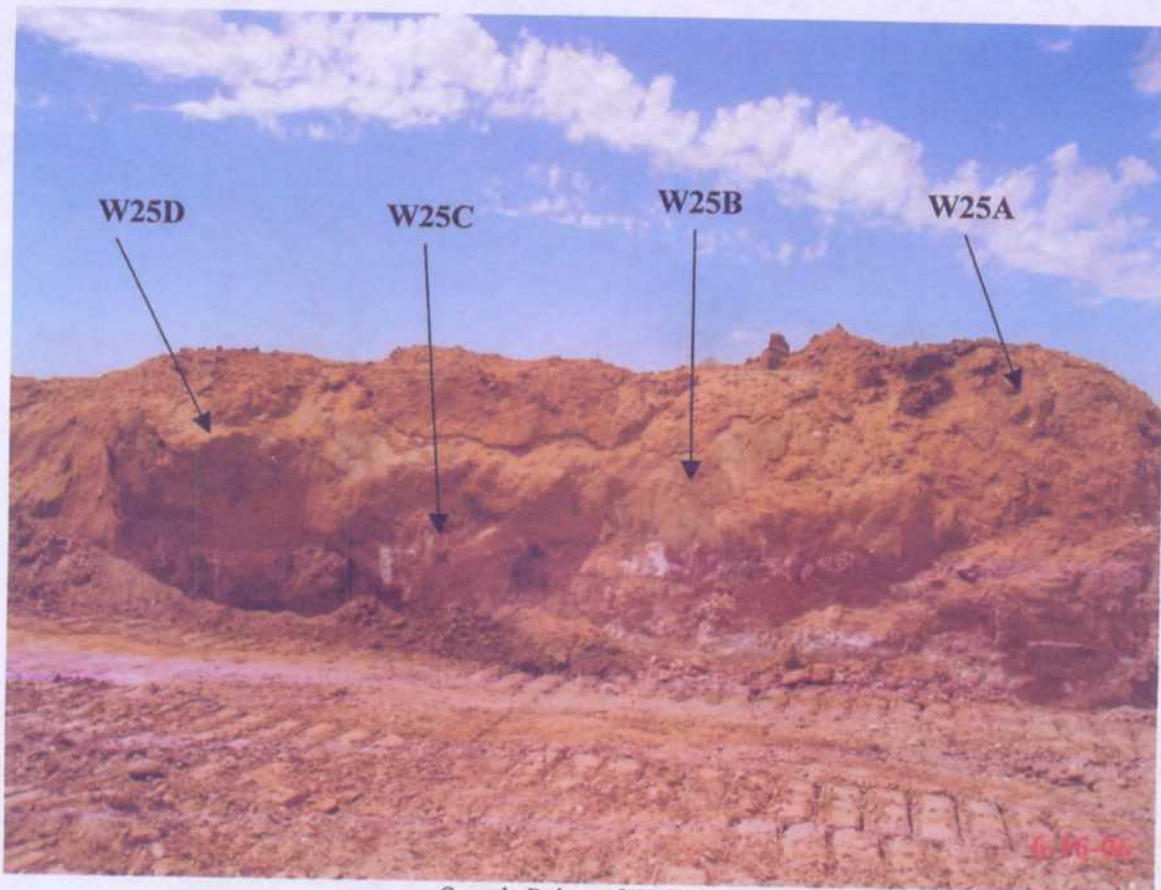
Sample Points of Wall 22 (North wall of Test Point C)



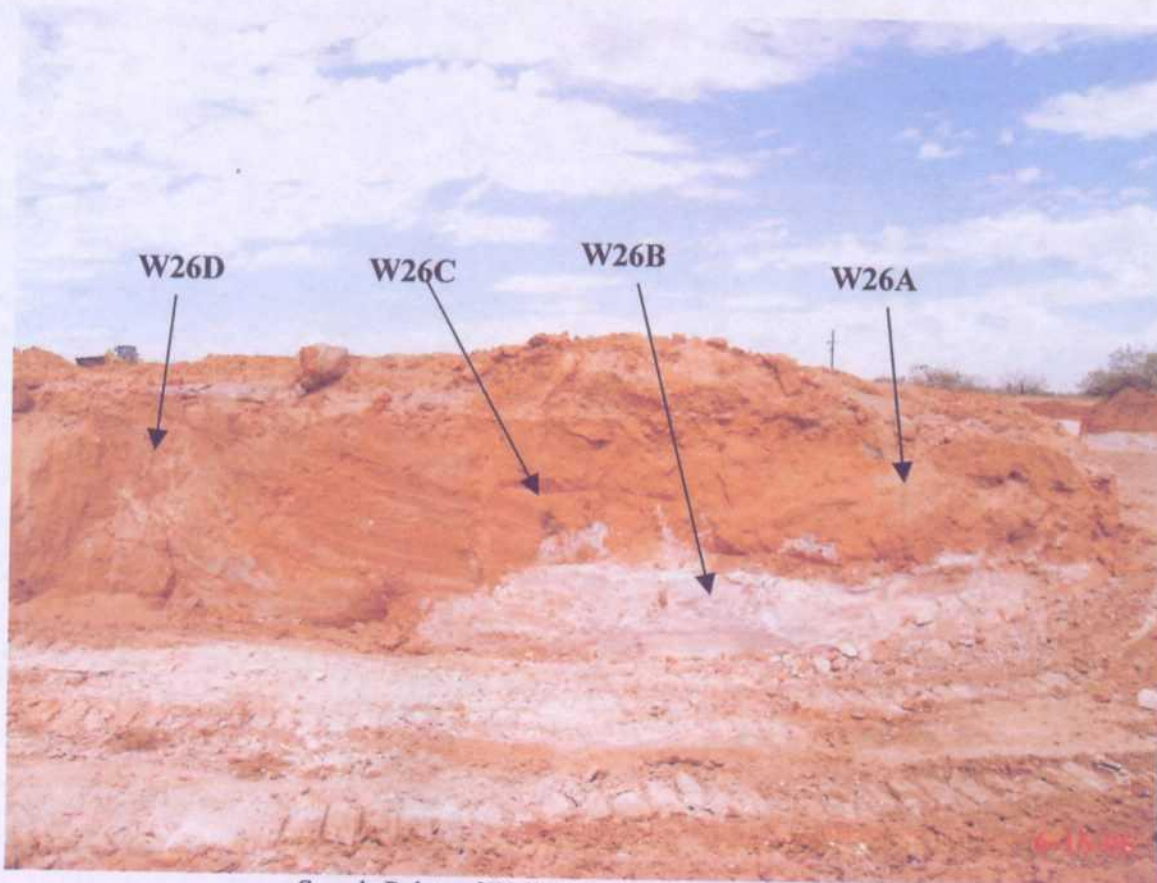
Sample Points of Wall 23 (North wall of Test Point D)



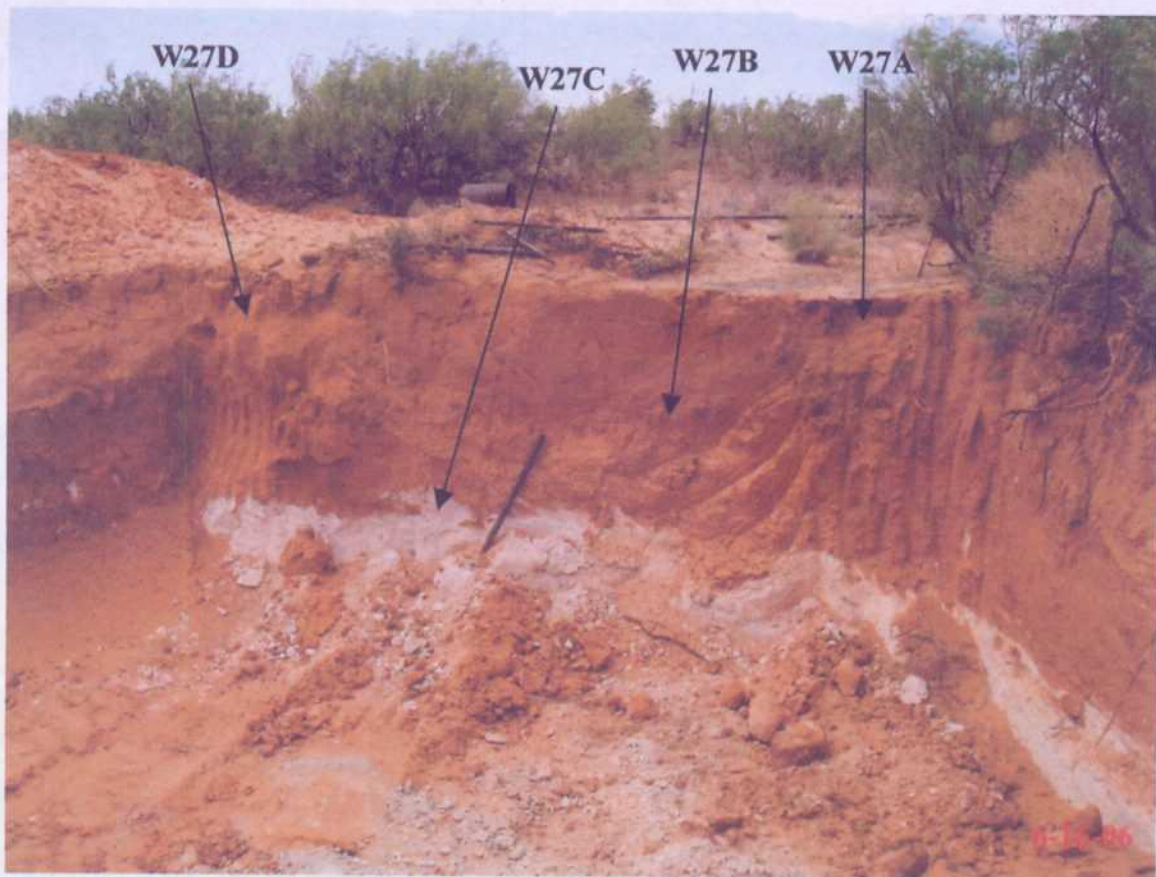
Sample Points of Wall 24 (West wall of Test Point D)



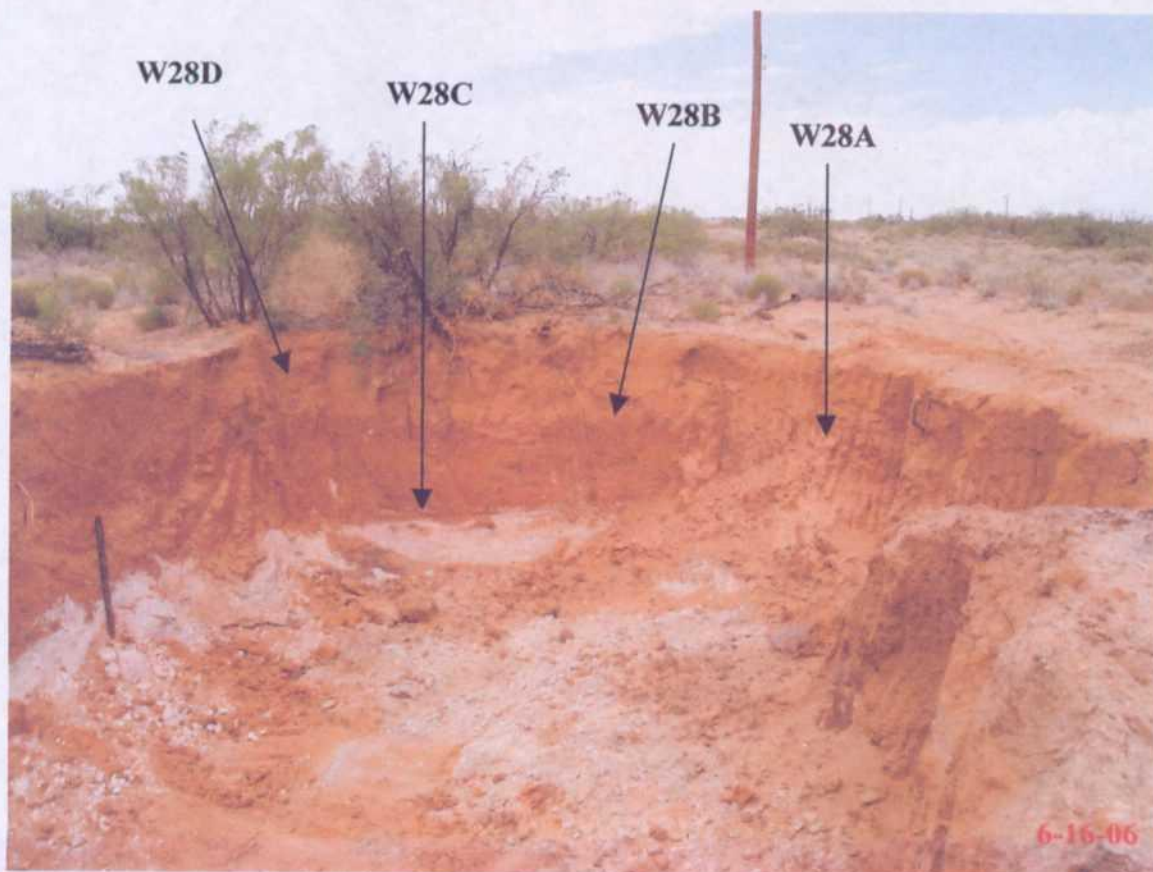
Sample Points of Wall 25



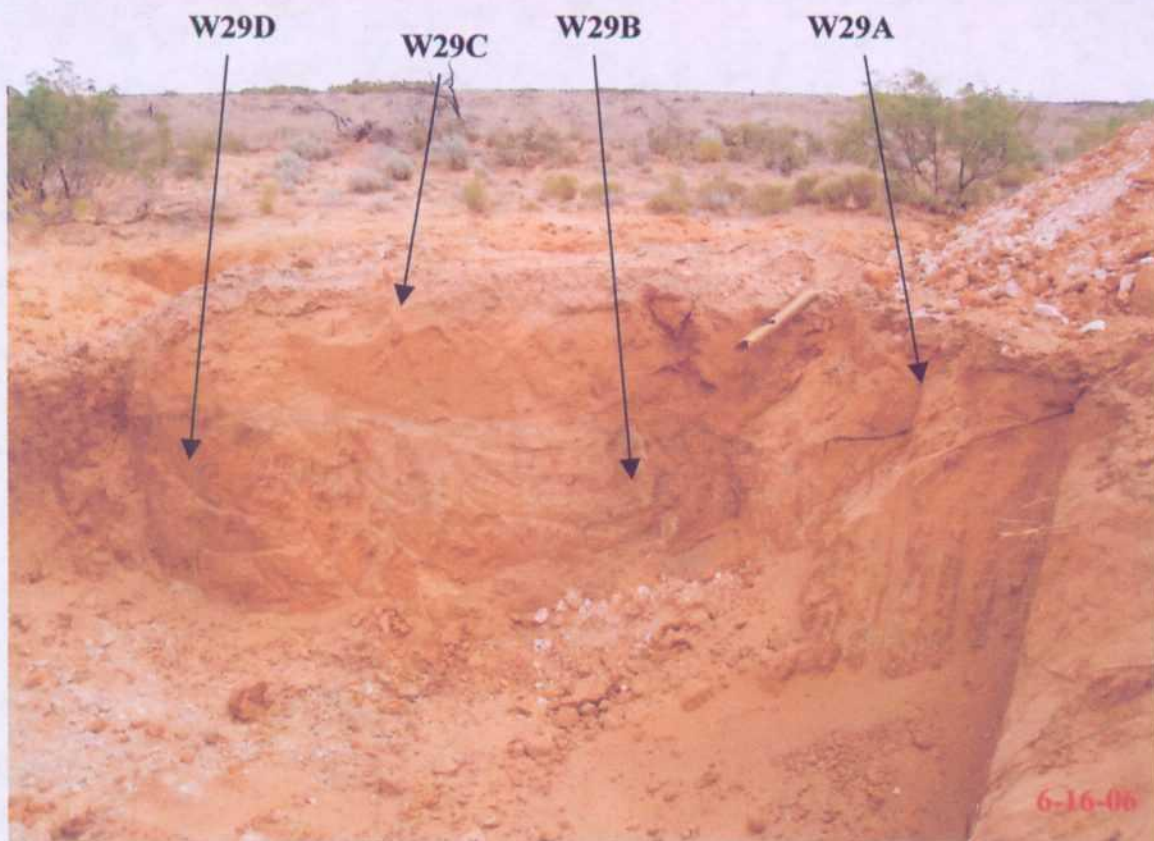
Sample Points of Wall 26 (East wall of Test Point F)



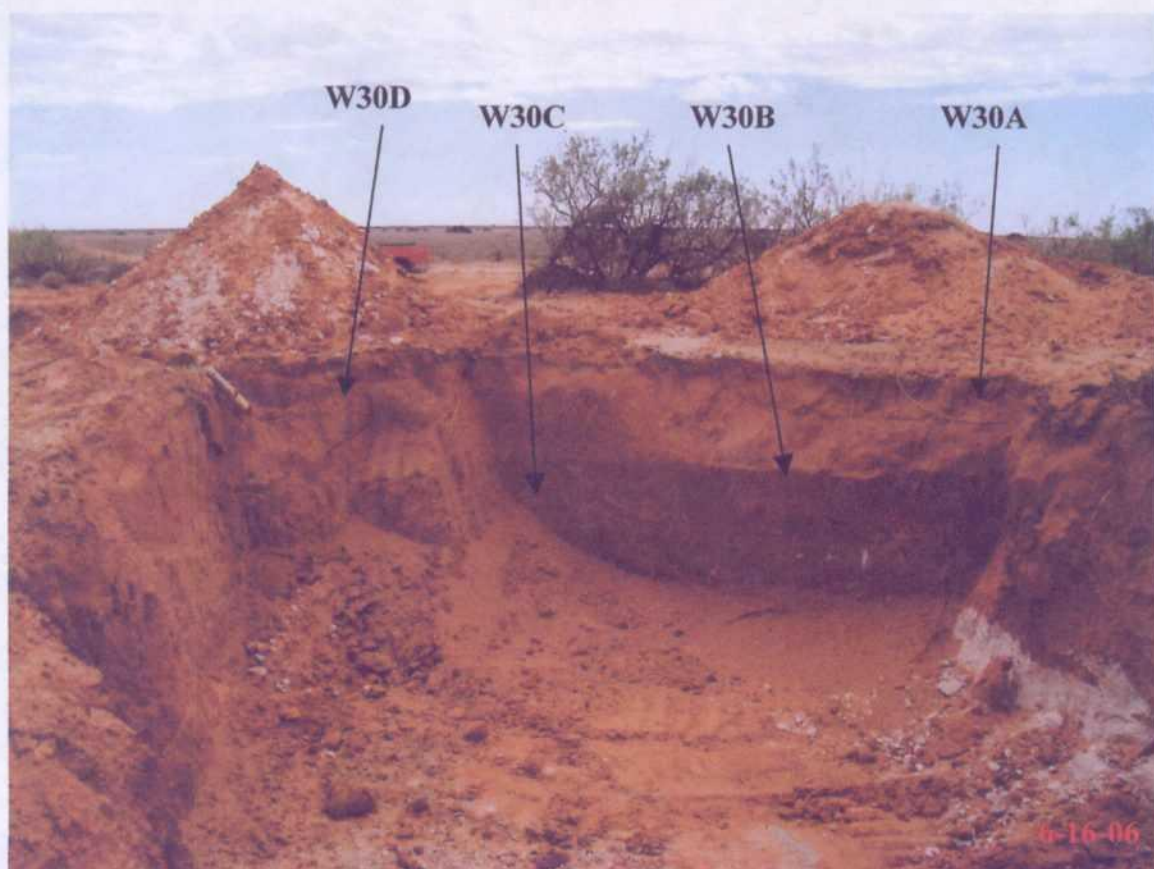
Sample Points of Wall 27 (North wall of Test Point P)



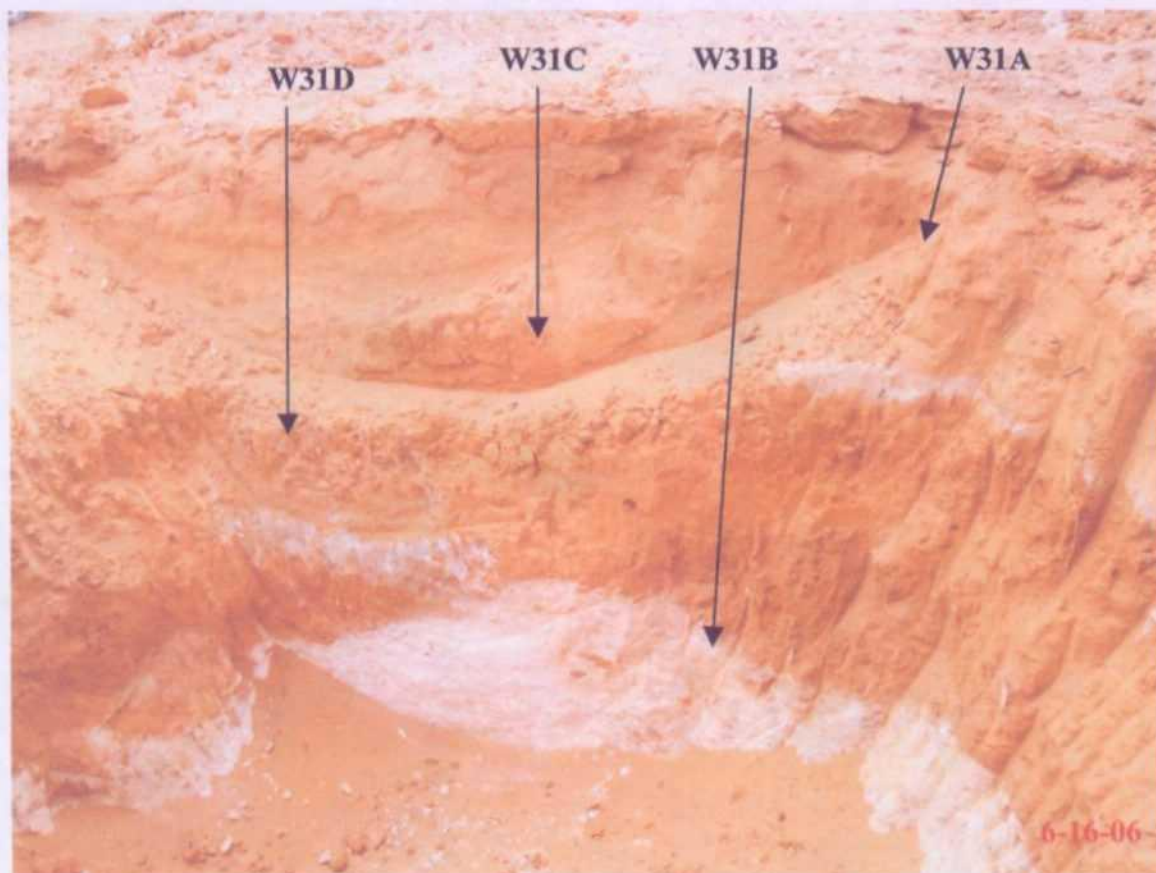
Sample Points of Wall 28 (East wall of Test Point P)



Sample Points of Wall 29 (South wall of Test Point P)



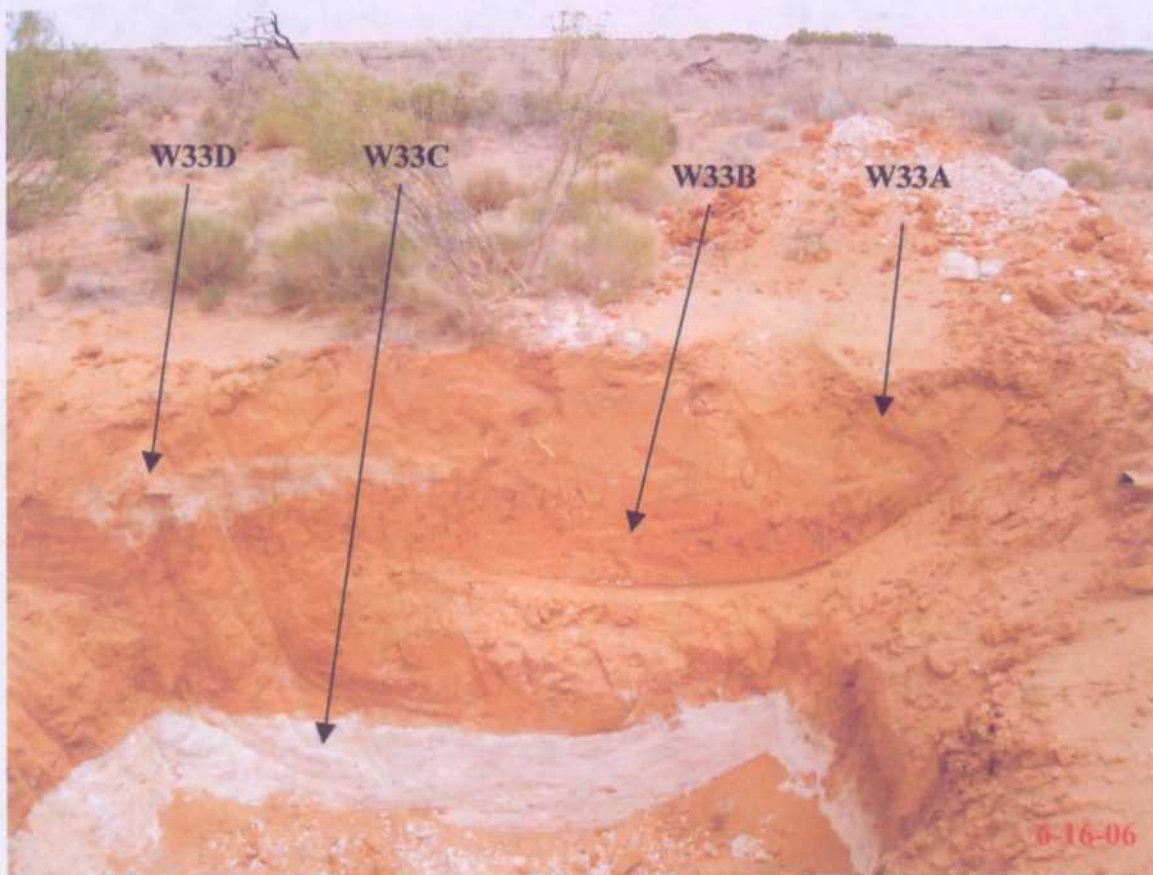
Sample Points of Wall 30 (West wall of Test Point P)



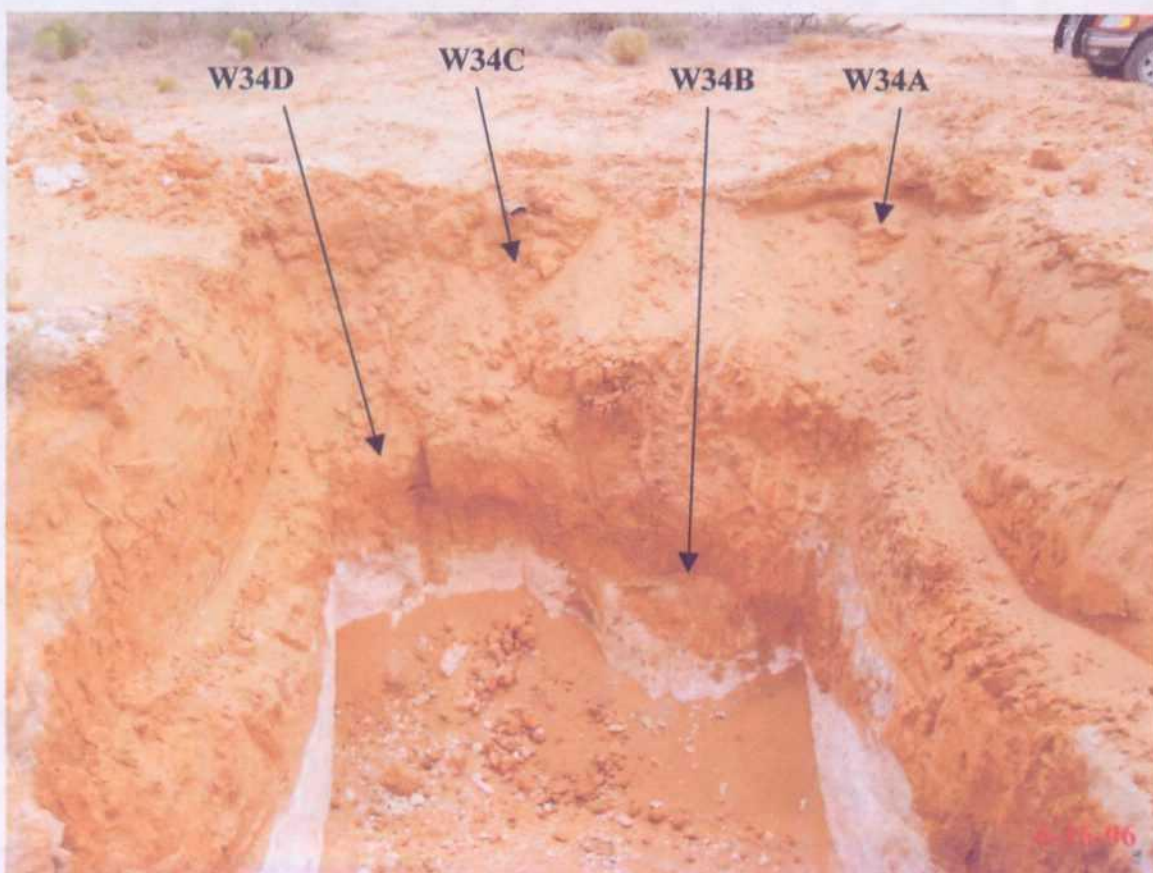
Sample Points of Wall 31



Sample Points of Wall 32



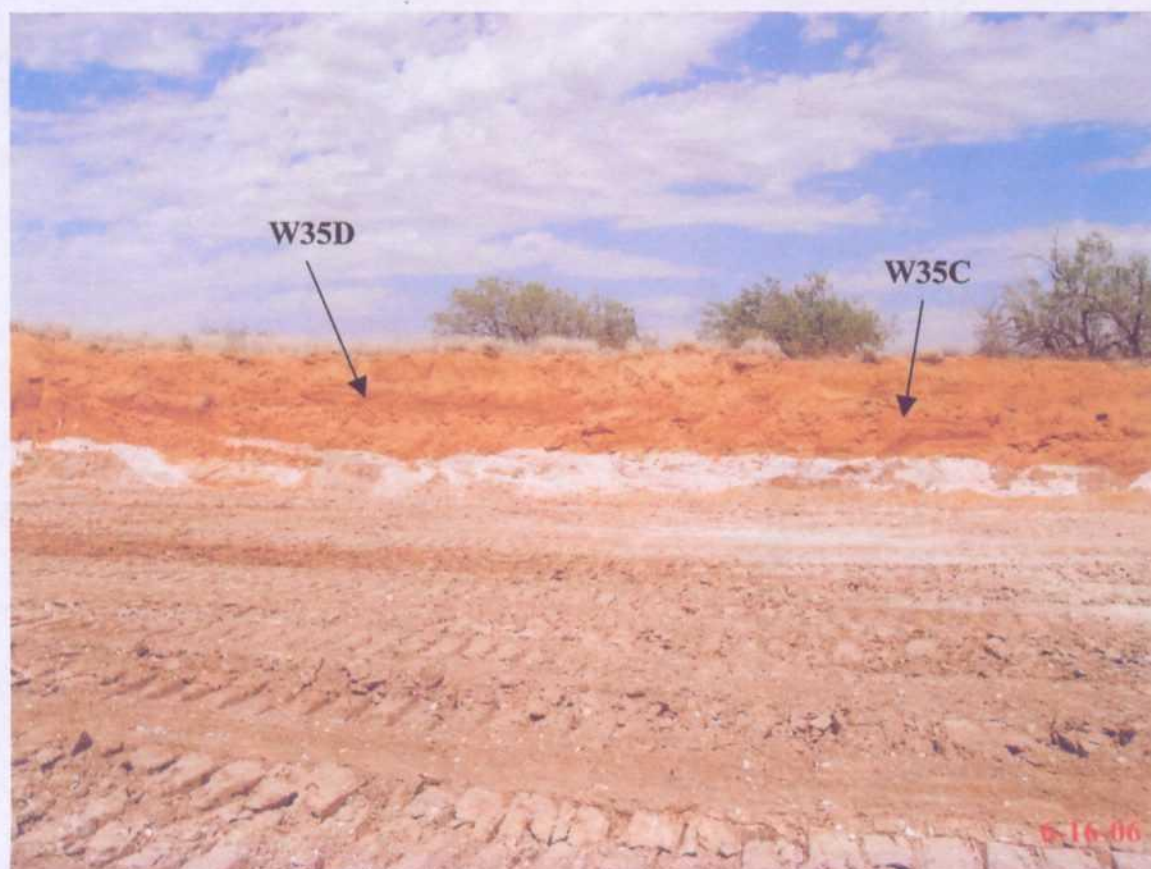
Sample Points of Wall 33



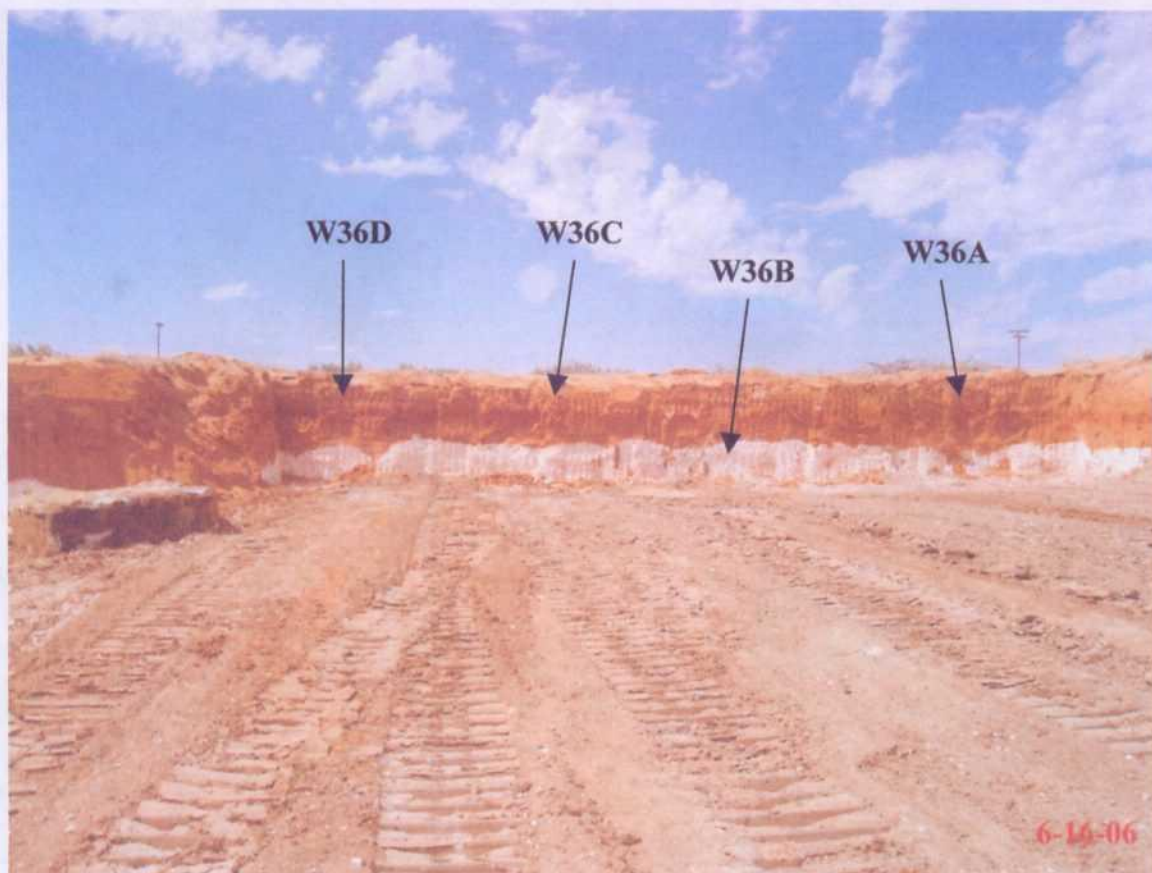
Sample Points of Wall 34



Sample Points of Wall 35 (East wall of Test Points I & J)



Sample Points of Wall 35 (East wall of Test Points K & J)



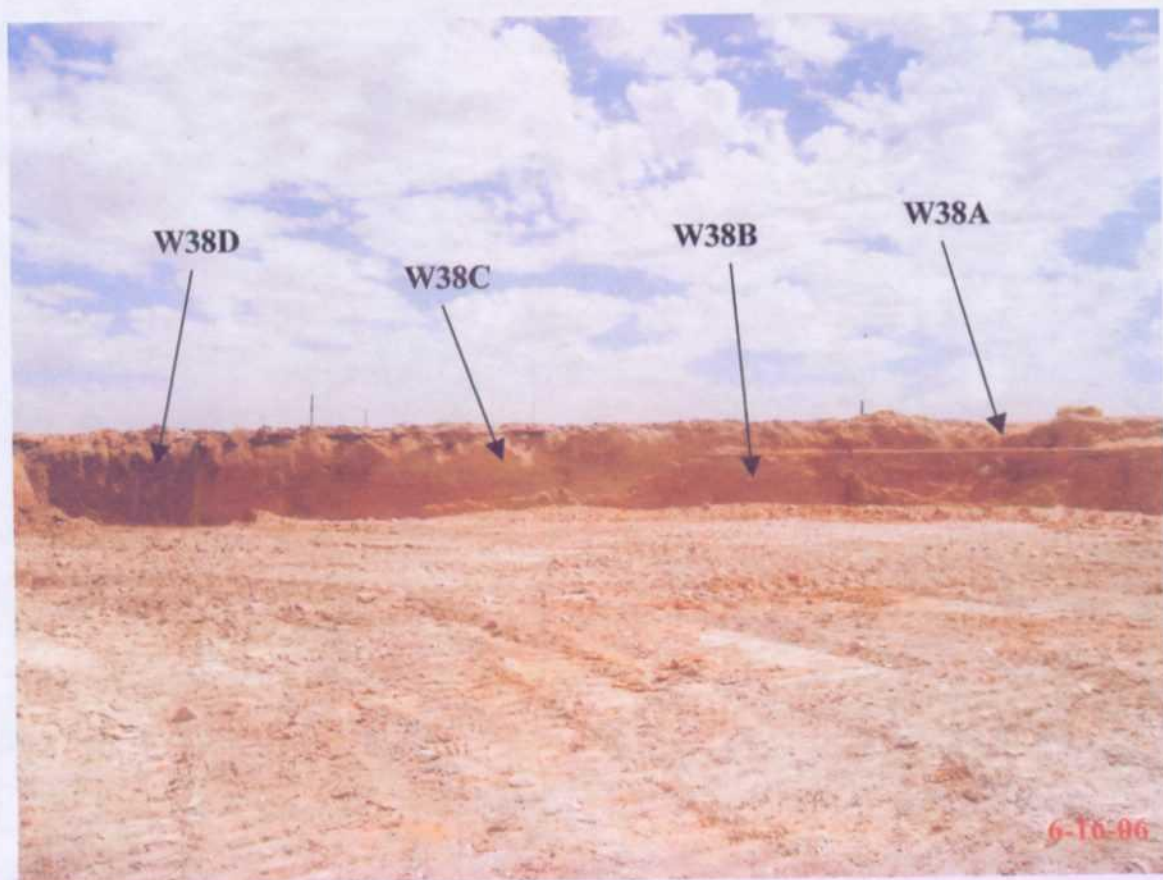
Sample Points of Wall 36 (North wall of Test Point K)



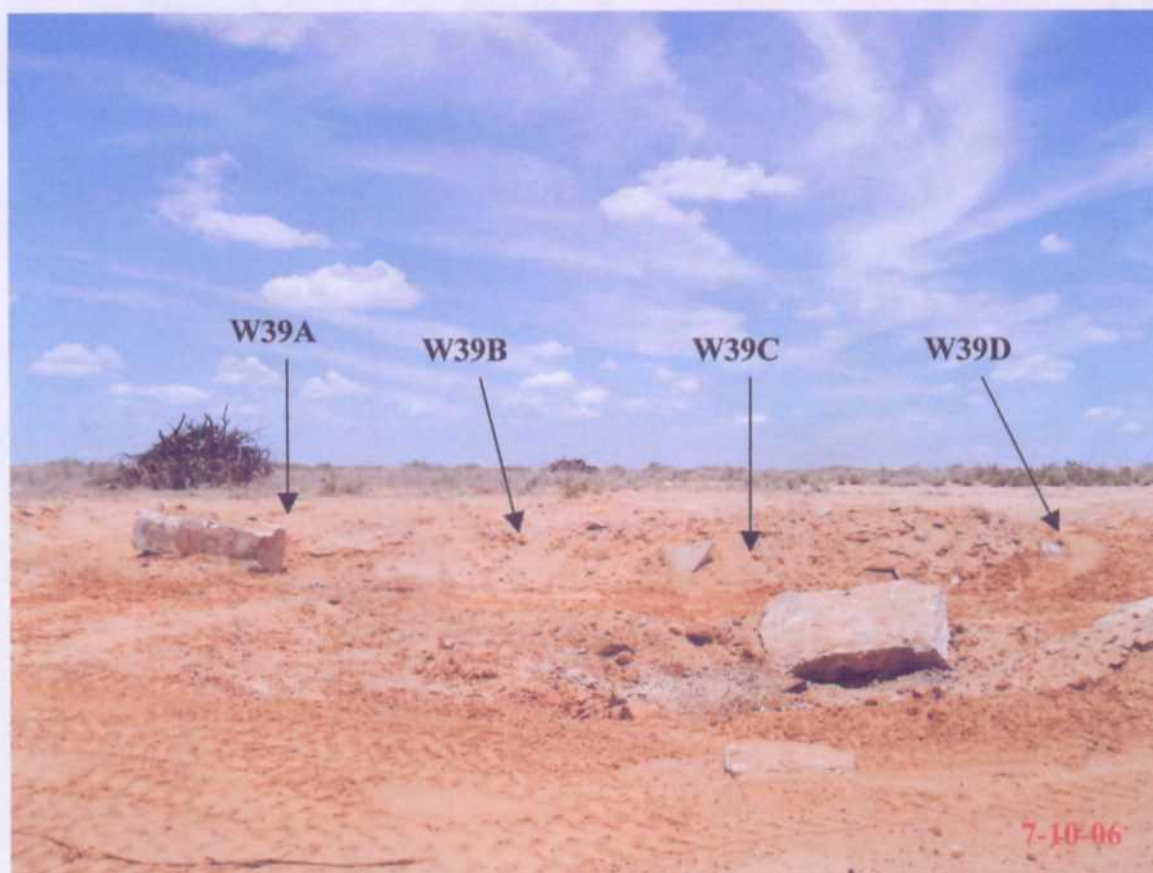
Sample Points of Wall 37 (West wall of Test Points K & J)



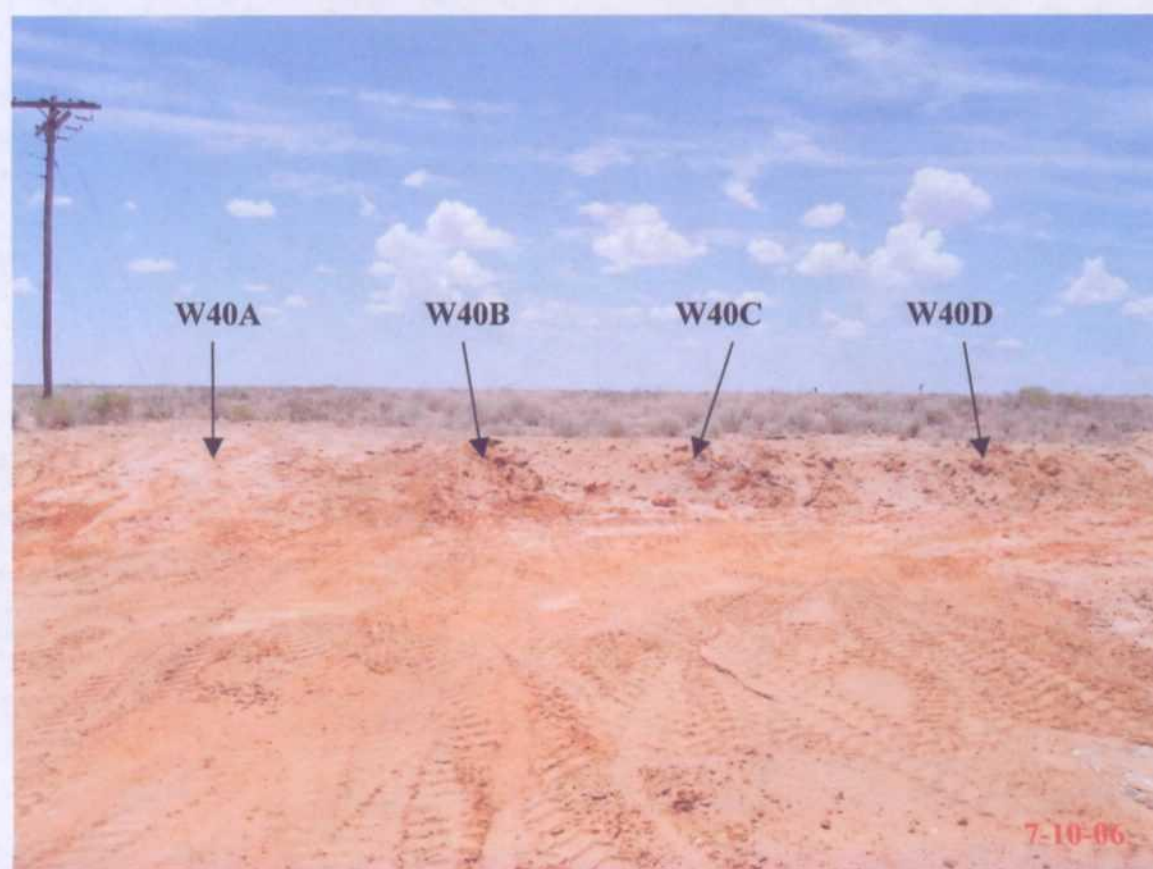
Sample Points of Wall 37 (West wall of Test Points I & J)



Sample Points of Wall 38 (South wall of Test Point J)



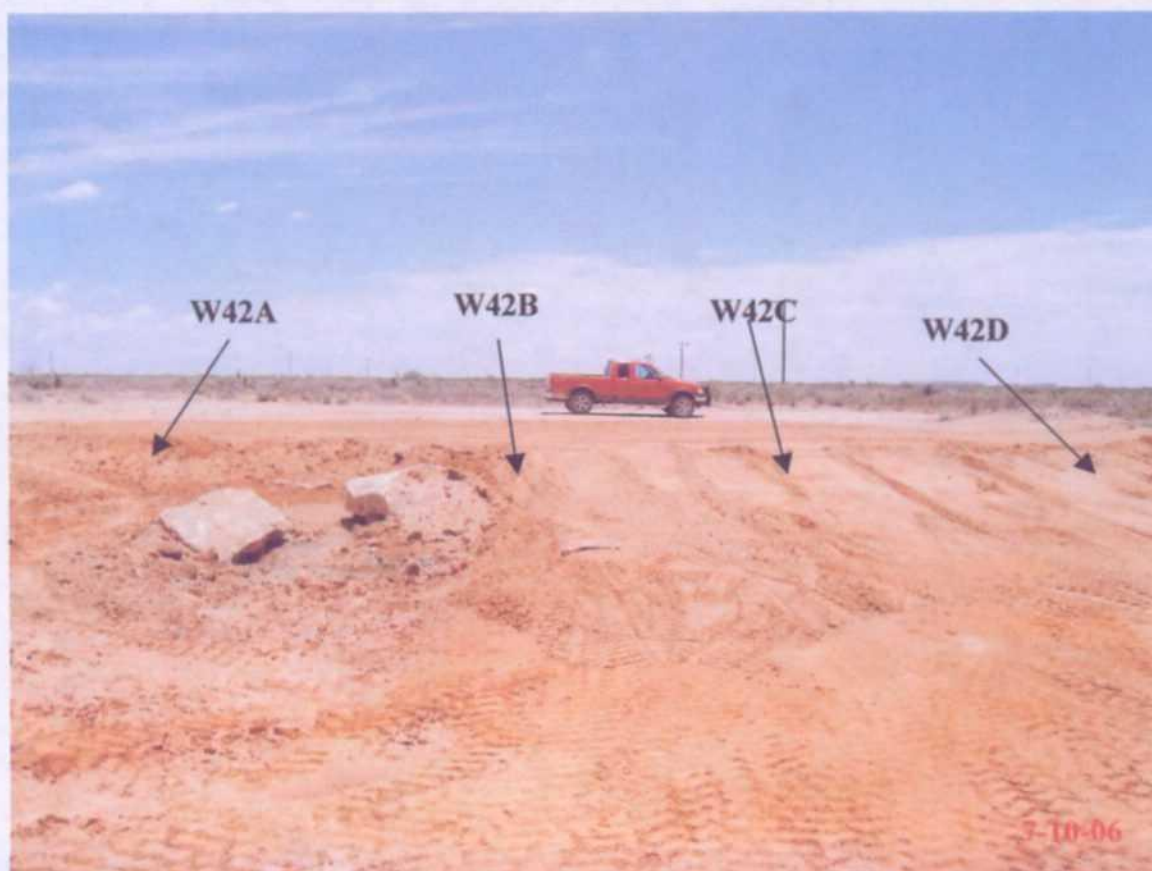
Sample Points of Wall 39 (North wall of Shell A-1)



Sample Points of Wall 40 (West wall of Shell A-1)



Sample Points of Wall 41 (South wall of Shell A-1)



Sample Points of Wall 42 (East Wall of Shell A-1)



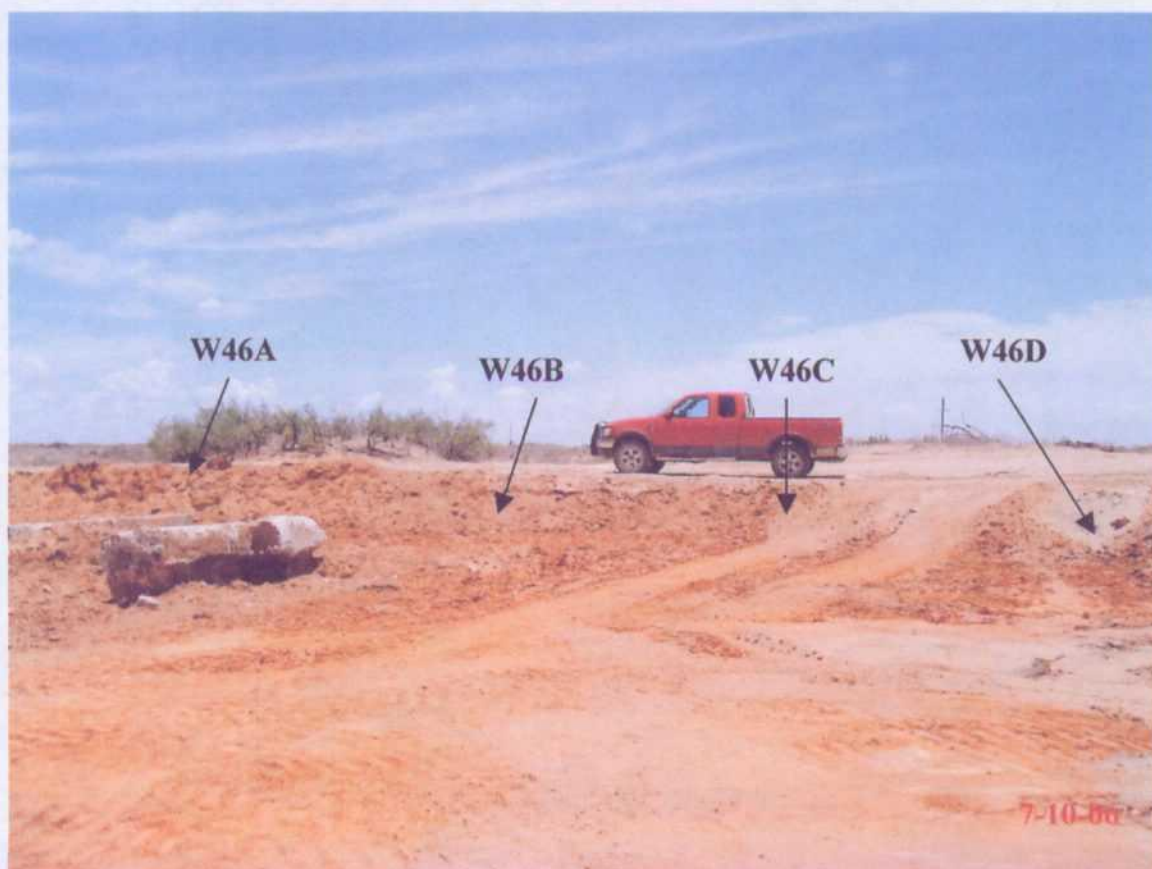
Sample Points of Wall 43 (North wall of Humble State #3 well)



Sample Points of Wall 44 (West wall of Humble State #3 well)



Sample Points of Wall 45 (South Wall of Humble State #3 well)



Sample Points of Wall 46 (East Wall of Humble State #3 well)

Attachment G

**Pictures of Bottom Areas and Sample Points
After Excavation**



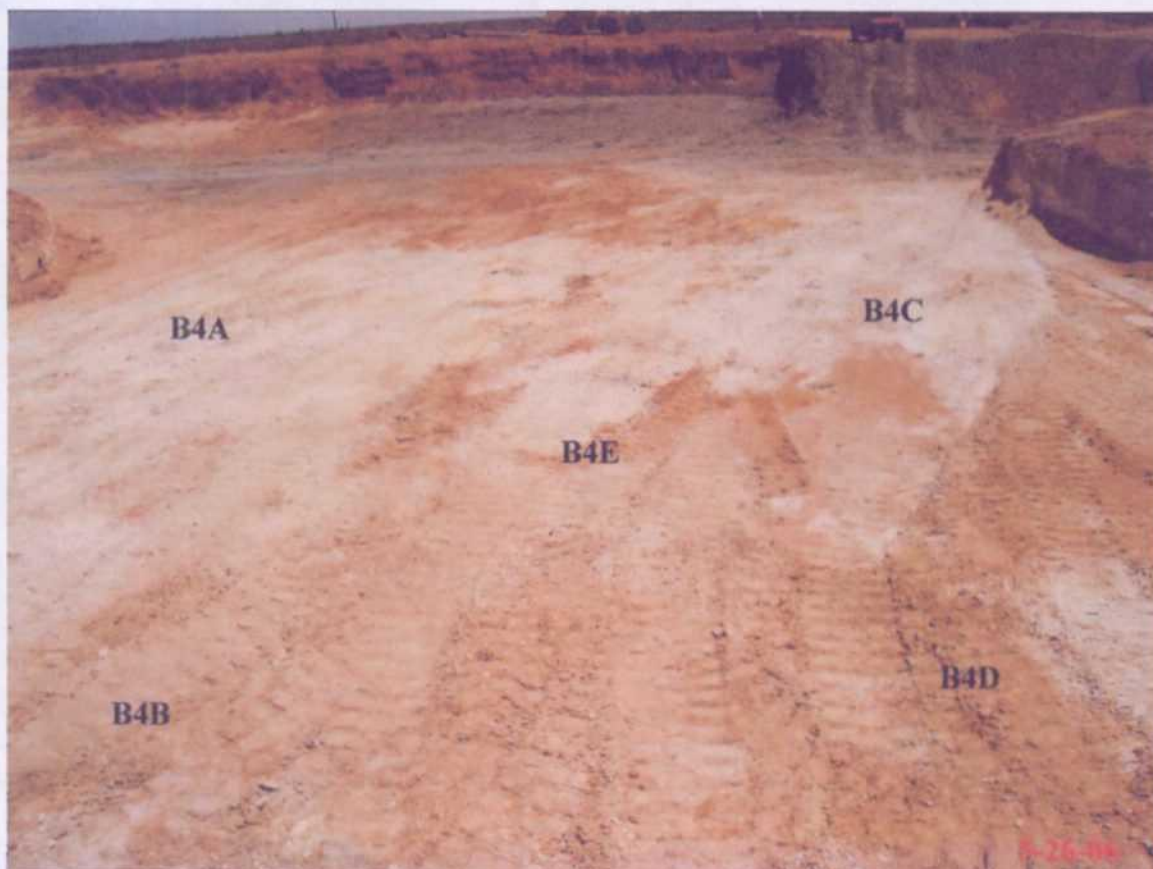
North facing South, Sample Points of Bottom Area 1 (Test Point H)



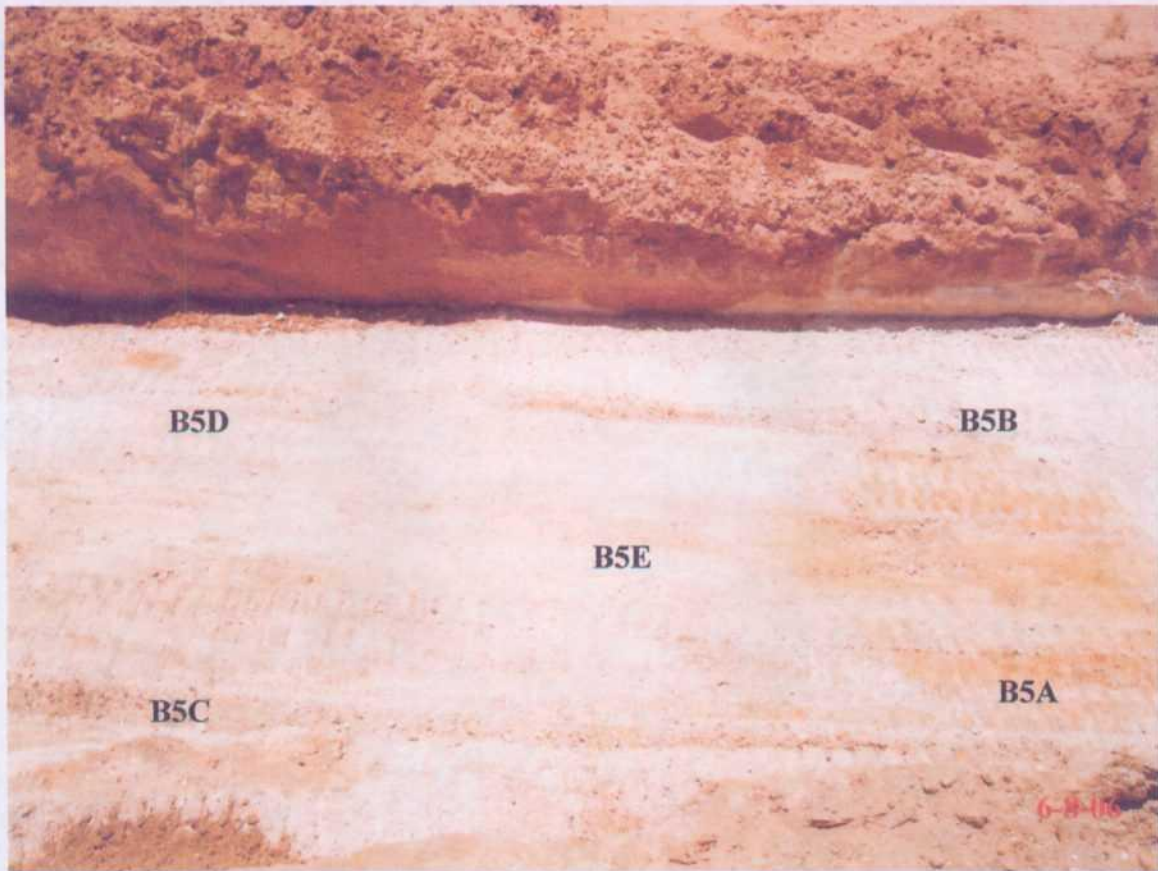
North facing South, Sample Points of Bottom Area 2 (Between Test Points H & G)



North facing South, Sample Points of Bottom Area 3 (Test Point G)



South facing North, Sample Points of Bottom Area 4 (Test Point L)



Sample Points of Bottom Area 5 (Between Test Points D & F)



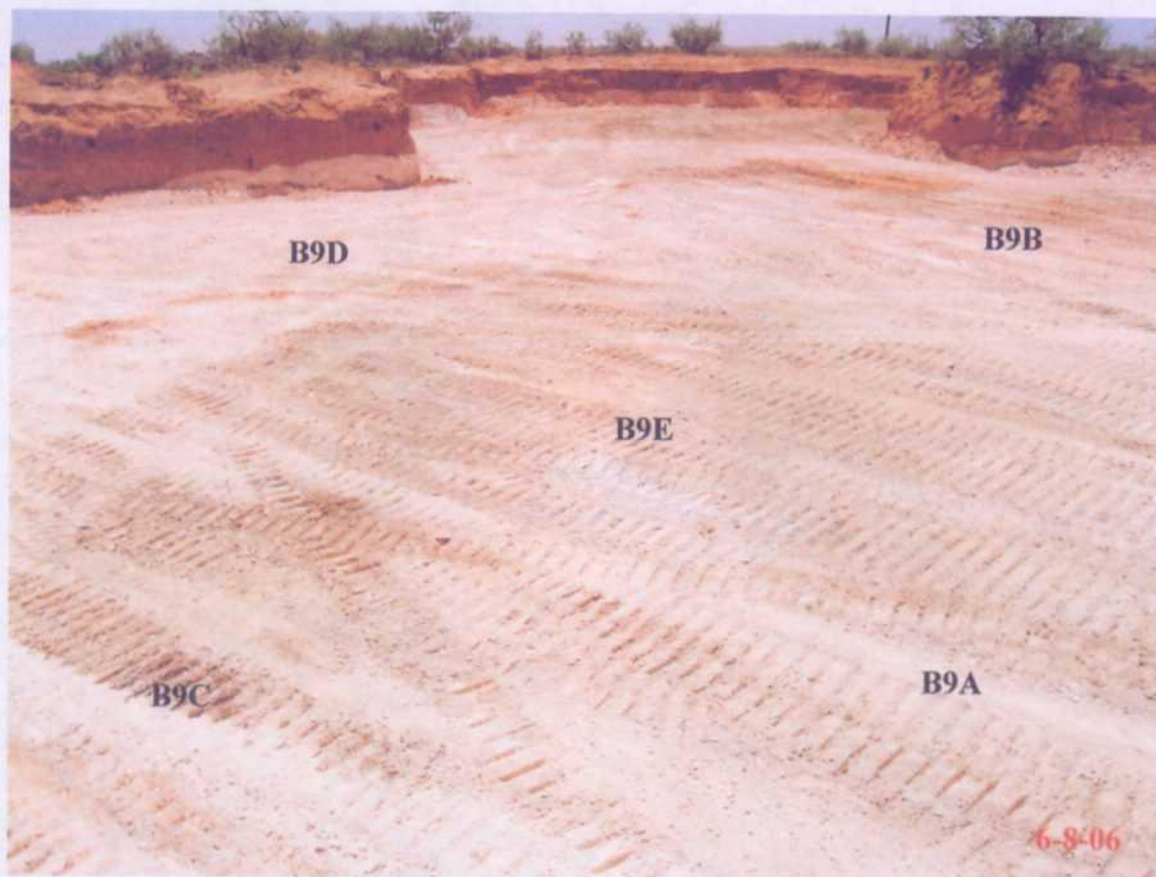
Sample Points of Bottom Area 6 (South of Test Point D)



Sample Points of Bottom Area 7 (Test Point D)



Sample Points of Bottom Area 8 (Test Point C)



Sample Points of Bottom Area 9 (Test Point B)



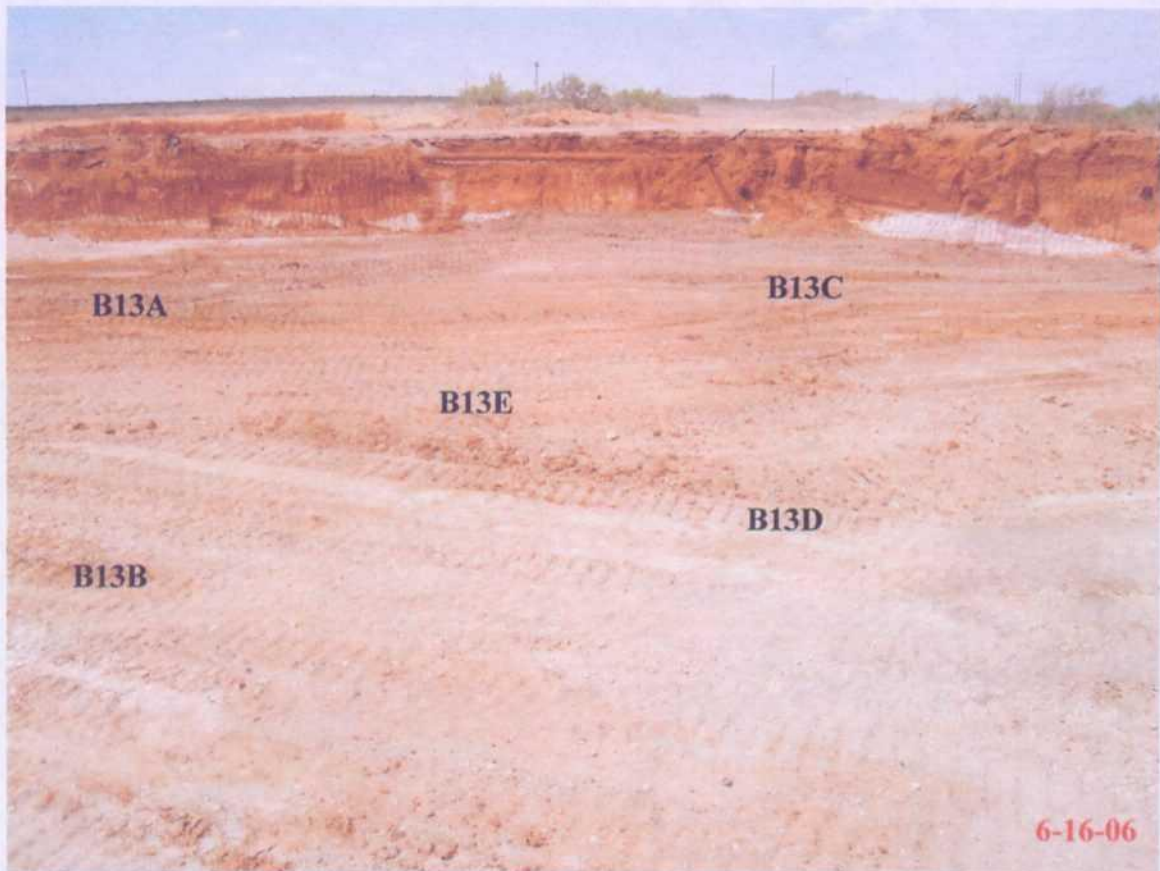
Sample Points of Bottom Area 10 (Vein East of Test Point B)



Sample Points of Bottom Area 11 (East of Test Point A)



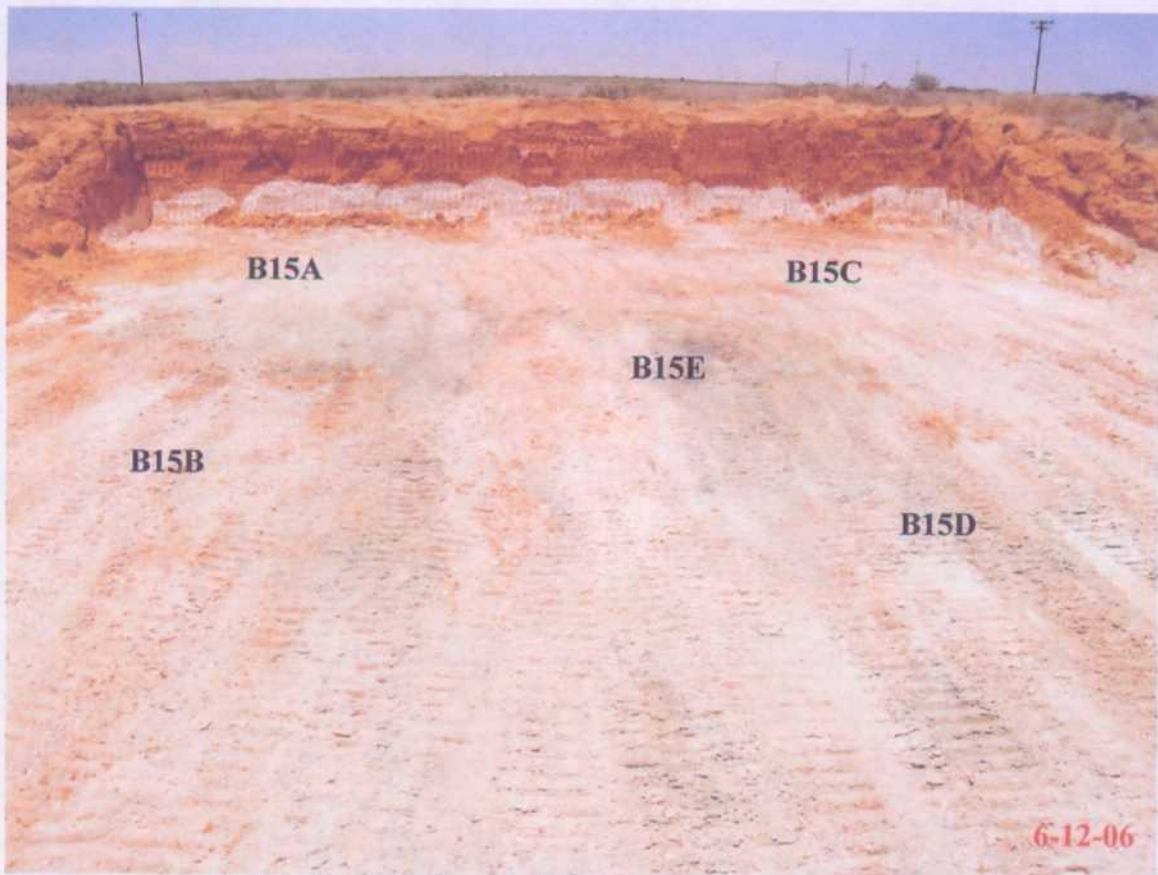
Sample Points of Bottom Area 12 (Sid Richardson Line & Plains Line)



South facing North, Sample Points of Bottom Area 13 (North of Test Point C)



South facing North, Sample Points of Bottom Area 14 (North of Test Point D)



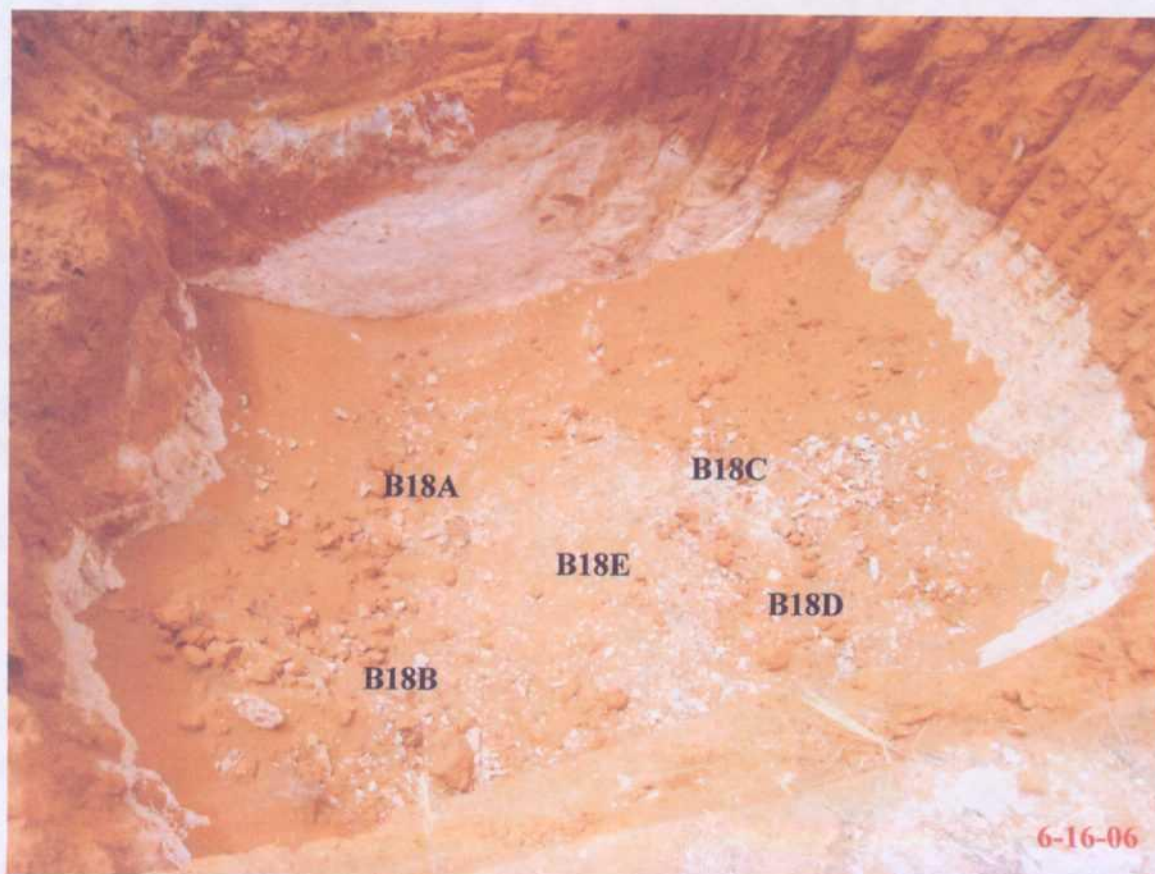
South facing North, Sample Points of Bottom Area 15 (Test Point K)



South facing North, Sample Points of Bottom Area 16 (Test Point J)



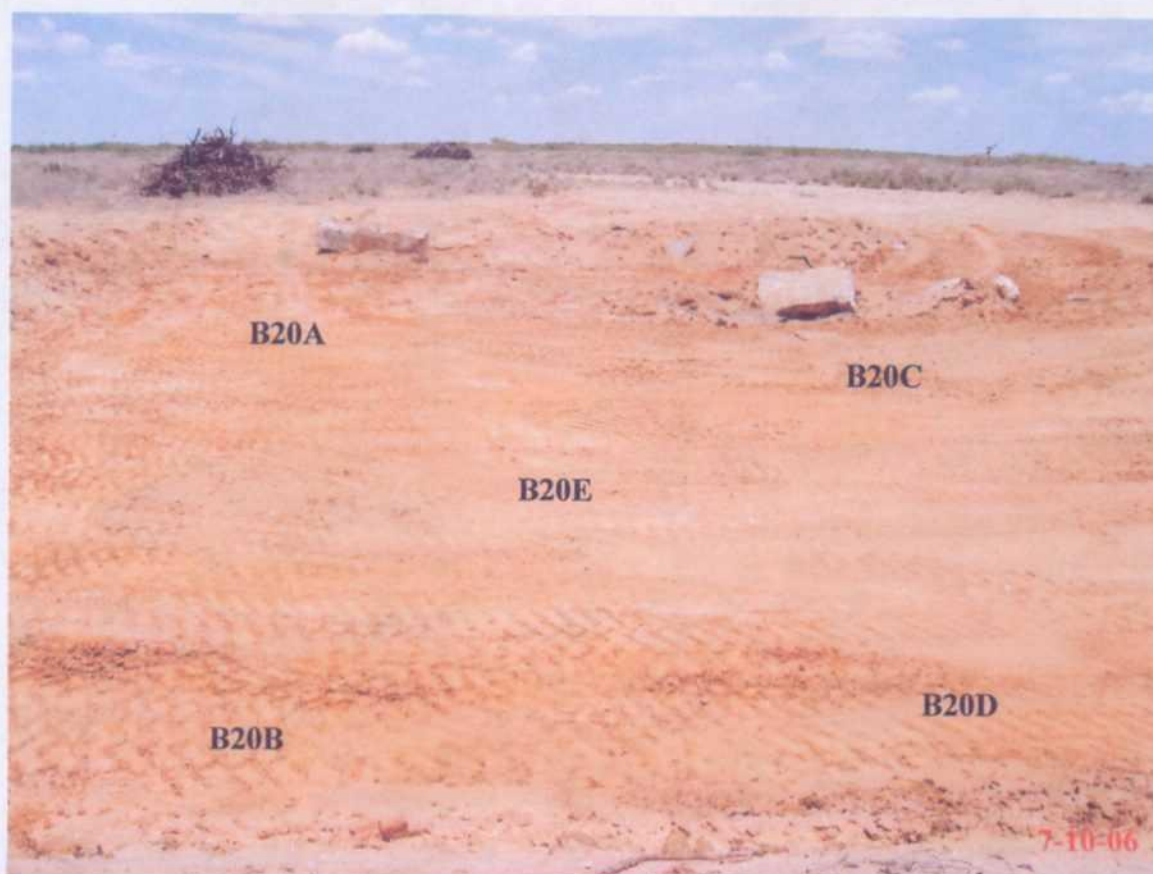
South facing North, Sample Points of Bottom Area 17 (Test Point I)



South facing North, Sample Points of Bottom Area 18



South facing North, Sample Points of Bottom Area 19 (Test Point P)



South facing North, Sample Points of Bottom Area 20 (Bottom of Shell A-1 well)



South facing North, Sample Points of Bottom Area 21 (Bottom of Humble State #3 well)



East facing West, Sample Points of Bottom Area 22

Attachment H

**Pictures of Site During
Backfill and Compaction**



Dozer pushing backfill material into excavation at Test Point H



West facing East at South Wall of excavation during backfill



Water truck unloading fresh water for compaction



Building new caliche road to reach area of backfill material

Attachment I

**Pictures of Site After Backfill
and Compaction**



North facing South at Test Points A, B and E after backfill



North facing South at Test Point D after backfill



North facing South at Test Points F, G and L after backfill



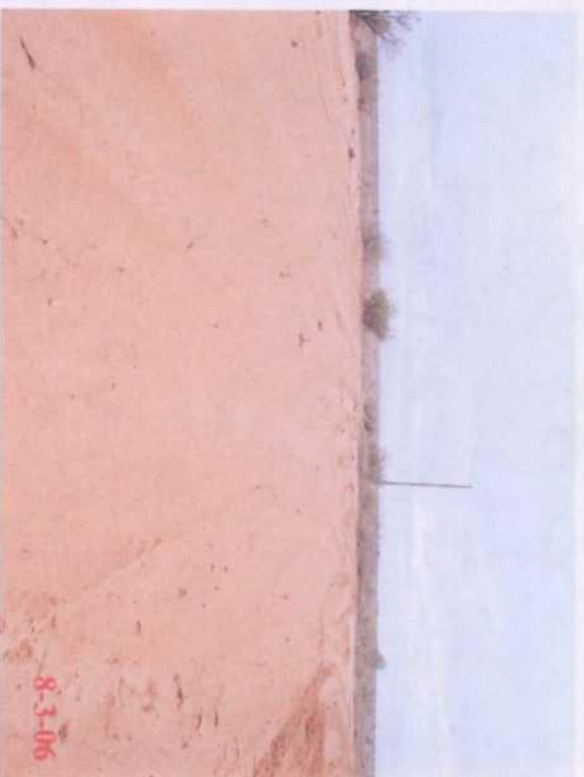
North facing South at Test Point H after backfill



West facing East across South side of site after backfill



West facing East across vein East of Test Point B



North facing South at Test Point E after backfill



West facing East at Test Point P after backfill



South facing North at Test Points I, J and K after backfill

8-3-06



East facing West at Test Point I after backfill

8-3-06



South facing North across Humble State #3 well after backfill

8-3-06



North facing South across Shell A-1 well after backfill

8-3-06

Attachment J

**Letter of Approval from Landowner
for Re-vegetation Plan of Site**

Elke Environmental, Inc.

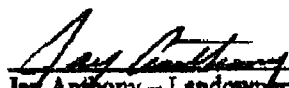
P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

August 3, 2006

Re: OCD Case 131142 Order R-12152-A
Humble State #3 Tank Battery Site
Jal, New Mexico

Mr. Jay Anthony,

Final closure for the Maralo, LLC - Humble State #3 Tank Battery site requires compliance with Order R-12152-A from the NMOCD. In that order dated March 3, 2006 Maralo is required to have a written plan with approval from the landowner for the re-vegetation of the surface area affected by the cleanup process. Elke Environmental will broadcast a seed mixture from Curtis & Curtis in Clovis, NM approved by Jay Anthony over the affected area. Then spread a blanket of either hay, cotton seed burrs or another organic material approved by Jay Anthony to hold the seed in place and water with fresh water. A second option would be to spray a water, seed and mulch mixture called hydro-mulch approved by Jay Anthony over the affected area.


Jay Anthony - Landowner


Logan Anderson - Project Manager

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

August 3, 2006

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Jay Anthony – Landowner

Logan Anderson – Project Manager

Attachment K

Daily Log of Major Activities

Elke Environmental, Inc.
P.O. Box 14167, Odessa, Texas 79768
Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, April 24, 2006

Haul loader to site and clear an area for turnarounds to be built. Move loader to caliche pit.

Tuesday, April 25, 2006

Haul 2 dozers to site and begin pushing contaminated soil into stockpile. Load and haul 234 cu. yds. of caliche from landowners pit to build turnarounds and repair road to site. Water roads and turnarounds. Load and haul 14 loads (252 cu. yds.) of contaminated soil to J & L Landfarm.

Wednesday, April 26, 2006

Haul second loader to site. Push contaminated soil into stockpile. Load and haul 99 loads (1,782 cu. yds.) of contaminated soil to J & L Landfarm.

Thursday, April 27, 2006

Haul dozer to site. Push contaminated soil into stockpile. Water roads and turnarounds. Load and haul 119 loads (2,142 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, April 28, 2006

Push contaminated soil into stockpile. Load and haul 136 loads (2,448 cu. yds.) of contaminated soil to J & L Landfarm.

Saturday, April 29, 2006

Push contaminated soil into stockpile. Water roads and turnarounds. Load and haul 79 loads (1,422 cu. yds.) of contaminated soil to J & L Landfarm.

Elke Environmental, Inc.
P.O. Box 14167, Odessa, Texas 79768
Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, May 1, 2006

Excavate contaminated soil and push into stockpile.

Tuesday, May 02, 2006

Excavate contaminated soil and push into stockpile. Water roads and turnarounds. Load and haul 138 loads (2,484 cu. yds.) of contaminated soil to J & L Landfarm.

Wednesday, May 3, 2006

Excavate contaminated soil and push into stockpile. Water roads and turnarounds. Load and haul 161 loads (2,898 cu. yds.) of contaminated soil to J & L Landfarm.

Thursday, May 4, 2006

Excavate contaminated soil and push into stockpile. Water roads and turnarounds. Load and haul 185 loads (3,330 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, May 5, 2006

Haul backhoe and trackhoe to site. Excavate contaminated soil and push into stockpile. Water roads and turnarounds. Dig and spot water line and oil pipeline on north side of road. Load and haul 169 loads (3,042 cu. yds.) of contaminated soil to J & L Landfarm.

Saturday, May 6, 2006

Excavate contaminated soil on southside of road around oil pipeline with backhoe. Excavate contaminated soil and push into stockpile. Water roads and turnarounds. Move dozer to caliche pit. Load and haul 100 loads (1,800 cu. yds.) of contaminated soil to J & L Landfarm.

Elke Environmental, Inc.
P.O. Box 14167, Odessa, Texas 79768
Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, May 8, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Push up caliche with a dozer. Load and haul 378 cu. yds. of caliche from landowners pit to repair roads. Water roads and turnarounds. Load and haul 147 loads (2,646 cu. yds.) of contaminated soil to J & L Landfarm.

Tuesday, May 9, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Finish patching roads with backhoe, water roads and turnarounds. Load and haul 168 loads (3,024 cu. yds.) of contaminated soil to J & L Landfarm.

Wednesday, May 10, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Water roads and turnarounds. Load and haul 173 loads (3,114 cu. yds.) of contaminated soil to J & L Landfarm.

Thursday, May 11, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Excavate contaminated soil at test point P with backhoe. Water roads and turnarounds. Load and haul 171 loads (3,078 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, May 12, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Finish excavation of contaminated soil at test point P with backhoe. Haul dozer to site. Water roads and turnarounds. Load and haul 115 loads (2,070 cu. yds.) of contaminated soil to J & L Landfarm.

Elke Environmental, Inc.
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Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, May 15, 2006

Excavate contaminated soil on south side of road with trackhoe and push into stockpile with dozers. Begin excavation of contaminated soil on north side of road with dozer. Water roads and turnarounds. Load and haul 174 loads (3,132 cu. yds.) of contaminated soil to J & L Landfarm.

Tuesday, May 16, 2006

Excavate contaminated soil on south and north side of road and push into stockpile with dozer. Haul D6R offsite. Spot and excavate contaminated soil around Sid Richardson gas line with backhoe. Load and haul 182 loads (3,276 cu. yds.) of contaminated soil to J & L Landfarm. Move west turnaround to north side of road.

Wednesday, May 17, 2006

Excavate contaminated soil on north and south side of road and push into stockpile with dozers. Excavate contaminated soil on north wall between Test Point H & F with trackhoe. Water roads and turnarounds. Load and haul 174 loads (3,132 cu. yds.) of contaminated soil to J & L Landfarm.

Thursday, May 18, 2006

Excavate contaminated soil on north and south side of road and push into stockpile with dozers. Excavate contaminated soil on north wall between Test Point H & F with trackhoe. Water roads and turnarounds. Load and haul 196 loads (3,528 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, May 19, 2006

Excavate contaminated soil on north and south side of road and push into stockpile with dozers. Excavate contaminated soil on north wall between Test Point H & F with trackhoe. Water roads and turnarounds. Load and haul 122 loads (2,196 cu. yds.) of contaminated soil to J & L Landfarm.

Elke Environmental, Inc.
P.O. Box 14167, Odessa, Texas 79768
Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Saturday, May 20, 2006

Haul Cat Dozer D6R to site.

Monday, May 22, 2006

Haul Motorgrader to site. Begin leveling land to build roads and turnarounds at the area of the clean soil. Excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Excavate contaminated soil on north wall between Test Point H & F with trackhoe. Water roads and turnarounds. Load and haul 177 loads (3,186 cu. yds.) of contaminated soil to J & L Landfarm.

Tuesday, May 23, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozer. Move dozer to caliche pit and stockpile caliche. Finish excavation of contaminated soil on north wall between Test Point H & F with trackhoe. Water roads and turnarounds. Load and haul 195 loads (3,510 cu. yds.) of contaminated soil to J & L Landfarm. Larry Johnson with NMOCD visited site and said that visually the walls and bottoms of test points F, G, H, and L look finished.

Wednesday, May 24, 2006

Excavate contaminated soil on north and south side of road and push into stockpile with dozer. Load contaminated soil with one loader and trackhoe and haul 198 loads (3,564 cu. yds.) to J & L Landfarm. Load caliche with one loader and haul 470 cu. yds. to build new road for clean site. Water new road, road to caliche pit, road to site, and turnarounds. Blade new road. Push and stockpile fresh top soil with dozer.

Thursday, May 25, 2006

Excavate contaminated soil on north side of road at test points I, J, and I to push into stockpile with dozer. Load contaminated soil with one loader and trackhoe and haul 200 loads (3,600 cu. yds.) to J & L Landfarm. Load caliche with one loader and haul 470 cu. yds. to build new road for clean site. Water new road, road to caliche pit, road to site, and turnarounds. Blade new road. Push and stockpile fresh top soil with dozer. Sample walls and bottoms that NMOCD visually inspected for field analysis of PID (BTEX), TPH 418.1, and chloride; and

lab analysis of benzene, total BTEX, TPH 418.1, TPH 8015M, and chlorides as required for closure by NMOCD ruling. Plat map and pictures are attached for all samples taken.

Friday, May 26, 2006

Excavate contaminated soil on south side of road at test points D, C, B, and A to push into stockpile with dozer. Load contaminated soil with one loader and trackhoe and haul 200 loads (3,600 cu. yds.) to J & L Landfarm. Load caliche with one loader and haul 420 cu. yds. to build new road for clean site. Water new road, road to caliche pit, road to site, and turnarounds. Blade new road. Push and stockpile fresh top soil with dozer.

Elke Environmental, Inc.
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Phone (432) 366-0043 Fax (432) 366-0884

Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, May 29, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozer. Stockpile backfill soil with dozer. Load and haul 730 cu. yds. of caliche to build new road and turnarounds. Water and blade roads and turnarounds.

Tuesday, May 30, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozers and trackhoe. Stockpile backfill soil with dozer. Load caliche with backhoe and haul 140 cu. yds. to finish building new road. Water and blade roads and turnarounds. Load with loaders and haul 178 loads (3,024 cu. yds.) of contaminated soil to J & L Landfarm. Haul new cattlegaurds to site.

Wednesday, May 31, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozers and trackhoe. Stockpile backfill soil with dozer. Load caliche with backhoe and haul 80 cu. yds. to finish building new turnarounds. Water and blade roads and turnarounds. Load with loaders and haul 188 loads (3,384 cu. yds.) of contaminated soil to J & L Landfarm. Remove old cattlegaurds and begin installing new cattlegaurds. Move dozer from contaminated stockpile to clean stockpile.

Thursday, June 1, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozer and trackhoe. Stockpile backfill soil with dozers. Load and haul 27 loads (486 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, June 2, 2006

Excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozers. Load caliche with loader and haul 360 cu. yds. to repair road. Water and blade repairs in road. Load with loader and trackhoe to haul 121 loads (2,178 cu. yds.) of contaminated soil to J & L Landfarm.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, June 5, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Finish installing cattlegaurds then excavate contaminated soil around Plains oil line and Sid Richardson gas line with backhoe. Water roads and turnarounds. Load with loaders and haul 179 loads (3,222 cu. yds.) of contaminated soil to J & L Landfarm.

Tuesday, June 6, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Finish excavating contaminated soil around Plains oil line and Sid Richardsongas line with backhoe. Water roads and turnarounds. Load with loaders and haul 187 loads (3,366 cu. yds.) of contaminated soil to J & L Landfarm.

Wednesday, June 7, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Excavate contaminated soil around well head of Shell A-1 and Humble State #3 with backhoe. Water roads and turnarounds. Load with loaders and haul 176 loads (3,168 cu. yds.) of contaminated soil to J & L Landfarm. Sample walls for field analysis and lab confirmation.

Thursday, June 8, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Continue excavating contaminated soil around well head of Shell A-1 and Humble State #3 with backhoe, and sample bottom of each area for field analysis. Water roads and turnarounds. Load with loaders and haul 186 loads (3,348 cu. yds.) of contaminated soil to J & L Landfarm. Sample walls and bottoms for field analysis and lab confirmation.

Friday, June 9, 2006

Excavate contaminated soil on walls with trackhoe and backhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Blade and water roads. Load with loaders and haul 114 loads (2,052 cu. yds.) of contaminated soil to J & L Landfarm.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, June 12, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozer. Stockpile backfill soil with dozer. Water and blade roads and turnarounds. Load with loader and haul 125 loads (2,625 cu. yds.) of backfill soil to site. Backfill soil with dozer and backhoe. Load with loader and haul 107 loads (1,926 cu. yds.) of contaminated soil to J & L Landfarm. Sample bottom areas and walls for field analysis and lab confirmation.

Tuesday, June 13, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozer. Stockpile backfill soil with dozer. Water and blade roads and turnarounds. Load with loader and haul 122 loads (2,562 cu. yds.) of backfill soil to site. Backfill soil with dozer and backhoe. Load with loader and haul 69 loads (1,242 cu. yds.) of contaminated soil to J & L Landfarm.

Wednesday, June 14, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozer. Sample bottom areas and walls for field analysis and lab confirmation. Water and blade roads and turnarounds. Load with loaders and haul 210 loads (4,410 cu. yds.) of backfill soil to site. Backfill soil with dozer and backhoe.

Thursday, June 15, 2006

Excavate contaminated soil on walls with trackhoe, and excavate contaminated soil on south and north sides of road and push into stockpile with dozers. Stockpile backfill soil with dozer. Finish excavating contaminated soil around well head of Shell A-1 and haul soil to main excavation area for backfill. Sample bottom areas and walls for field analysis and lab confirmation. Water and blade roads and turnarounds. Load with loaders and haul 84 loads (1,512 cu. yds.) of contaminated soil to J & L Landfarm.

Friday, June 16, 2006

Finish excavation of contaminated soil on walls with trackhoe, and push into stockpile with dozers. Stockpile backfill soil with dozer. Finish excavating contaminated soil around well head of Humble State #3 and haul soil to main excavation area for backfill. Finish sampling bottom areas and walls of main excavation area for field analysis and lab confirmation. Water and blade roads and turnarounds. Finish loading with loaders and haul 56 loads (1,008 cu. yds.) of contaminated soil to J & L Landfarm.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, June 19, 2006

Haul John Deere 850J Dozer to site. Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 204 loads (4,284 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader. Water backfill soil with water truck and laborhand as the soil is backfilled for compaction. Load with backhoe and haul contaminated soil from plugged and abandoned wells (Humble State #3 and Shell A - 1) to backfill at the bottom of main excavation. Begin report of analytical information, plat maps, and pictures required by NMOCD for approval of backfill.

Tuesday, June 20, 2006

Move trackhoe to excavation site. Take sample with trackhoe of soil already backfilled from the P & A wells for lab analysis, then move trackhoe back to load trucks. Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 197 loads (4,137 cu. yds.) of backfill soil to site. Backfill soil with dozer, loader, and backhoe. Water backfill soil with water truck and laborhand as the soil is backfilled for compaction. Continue report of analytical information, plat maps, and pictures required by NMOCD for approval of backfill.

Wednesday, June 21, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 233 loads (4,893 cu. yds.) of backfill soil to site. Backfill soil with dozer, loader, and backhoe. Water backfill soil with water truck and laborhand as the soil is backfilled for compaction. Finish report of analytical information, plat maps, and pictures required by NMOCD for approval of backfill and send to Wayne Price.

Thursday, June 22, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 192 loads (4,032 cu. yds.) of backfill soil to site. Backfill soil with dozer, loader, and backhoe. Water backfill soil with water truck and laborhand as the soil is backfilled for compaction.

Friday, June 23, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 112 loads (2,252 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader. Water backfill soil with water truck and laborhand as the soil is backfilled for compaction.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, June 26, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 204 loads (4,284 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader.

Tuesday, June 27, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 195 loads (4,095 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader.

Wednesday, June 28, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 202 loads (4,242 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader.

Thursday, June 29, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 235 loads (4,935 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader.

Friday, June 30, 2006

Stockpile backfill soil with dozers. Water and blade roads and turnarounds. Load with loader and trackhoe and haul 128 loads (2,688 cu. yds.) of backfill soil to site. Backfill soil with dozer and loader. Haul Cat Dozer D6R offsite.

Saturday, July 1, 2006

Stockpile backfill soil with dozers.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, July 3, 2006

Stockpile backfill soil with dozers. Remove mesquite trees with trackhoe.

Wednesday, July 5, 2006

Stockpile backfill soil with dozers. Remove mesquite trees with trackhoe. Load with loader and haul 504 cu. yds. of caliche to repair roads and turnarounds. Level caliche patches with loader and blade repaired roads. Water pack backfilled soil with freshwater.

Thursday, July 6, 2006

Stockpile backfill soil with dozers. Remove mesquite trees with trackhoe. Load with loader and haul 378 cu. yds. of caliche to repair roads and turnarounds. Level caliche patches with loader and blade repaired roads. Water pack backfilled soil with freshwater.

Friday, July 7, 2006

Stockpile backfill soil with dozers. Remove mesquite trees with trackhoe. Load with loader and haul 126 cu. yds. of caliche to repair roads and turnarounds. Level caliche patches with loader and blade repaired roads. Load with loader and haul 8 loads (144 cu. yds.) of contaminated soil from the P & A wells to J & L Landfarm. Water pack backfilled soil with freshwater.

Saturday, July 8, 2006

Water pack backfilled soil with freshwater.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Monday, July 10, 2006

Stockpile backfill soil with dozer. Load with loader and trackhoe and haul 143 loads (3,003 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozer and motorgrader. Water roads with water trucks. Finish sampling walls and bottoms on Humble State #3 well area. Run field analysis and take confirmation samples to lab.

Tuesday, July 11, 2006

Load with loader and trackhoe and haul 182 loads (3,822 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Wednesday, July 12, 2006

Load with loaders and trackhoe and haul 192 loads (4,032 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Thursday, July 13, 2006

Load with loaders and trackhoe and haul 182 loads (3,822 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks. Move both dozers to stockpile area.

Friday, July 14, 2006

Stockpile backfill soil with dozers. Blade and water roads with motorgrader and water trucks. Haul John Deere Loader 644H offsite and haul Cat Dozer D6R onsite.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Saturday, July 15, 2006

Stockpile backfill soil with dozers. Waterpack backfilled soil with freshwater.

Sunday, July 16, 2006

Stockpile backfill soil with dozers. Waterpack backfilled soil with freshwater. Haul Cat Dozer D6N onsite and John Deere Trackhoe offsite.

Monday, July 17, 2006

Load with loader and haul 113 loads (2,373 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Tuesday, July 18, 2006

Load with loader and haul 123 loads (2,583 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Wednesday, July 19, 2006

Load with loader and haul 121 loads (2,541 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Thursday, July 20, 2006

Load with loader and haul 118 loads (2,478 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

Friday, July 21, 2006

Load with loader and haul 78 loads (1,638 cu. yds.) of backfill soil to site. Backfill soil into excavation with dozers and motorgrader. Water roads with water trucks.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Saturday, July 22, 2006

Waterpack backfilled soil with freshwater.

Sunday, July 23, 2006

Waterpack backfilled soil with freshwater. Haul Case Motorgrader offsite.

Monday, July 24, 2006

Load with loader and haul 129 loads (2,709 cu. yds.) of backfill soil to site. Backfill soil into main excavation and P & A wells with dozers. Water roads with water trucks.

Tuesday, July 25, 2006

Load with loader and haul 92 loads (1,932 cu. yds.) of backfill soil to site. Backfill soil into main excavation and P & A wells with dozers. Water roads with water trucks.

Wednesday, July 26, 2006

Load with loader and haul 74 loads (1,554 cu. yds.) of backfill soil to site. Backfill soil into main excavation and P & A wells with dozers. Water roads with water trucks.

Thursday, July 27, 2006

Load with loader and haul 137 loads (2,877 cu. yds.) of backfill soil to site. Backfill soil into main excavation and P & A wells with dozers. Water roads with water trucks.

Friday, July 28, 2006

Load with loader and haul 76 loads (1,596 cu. yds.) of backfill soil to site. Backfill soil into main excavation and finish backfill of P & A wells with dozers. Water roads with water trucks.

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Maralo - Humble State #3 Tank Battery

Daily Summary

Saturday, July 29, 2006

Waterpack backfilled soil with freshwater.

Sunday, July 30, 2006

Waterpack backfilled soil with freshwater.

Monday, July 31, 2006

Stockpile backfill soil with dozer. Load with loader and haul 120 loads (2,520 cu. yds.) of backfill soil to site. Backfill soil into main excavation with dozers. Water roads with water trucks.

Tuesday, August 1, 2006

Stockpile backfill soil with dozer. Load with loader and haul 129 loads (2,709 cu. yds.) of backfill soil to site. Backfill soil into main excavation with dozers. Water roads with water trucks.

Wednesday, August 2, 2006

Stockpile backfill soil with dozer. Load with loader and haul 134 loads (2,814 cu. yds.) of backfill soil to site. Backfill soil into main excavation with dozers. Water roads with water trucks.

Thursday, August 3, 2006

Stockpile backfill soil with dozer. Load with loader and haul 111 loads (2,331 cu. yds.) of backfill soil to site. Finish backfilling soil into main excavation with dozers and contour site to the surrounding area. Water roads with water trucks.

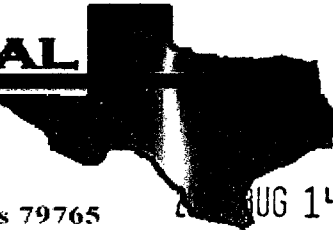
Friday, August 4, 2006

Load with loader and haul 315 cu. yds. of caliche from caliche pit to repair roads. Level caliche with dozer. Contour area where the backfill soil was removed to match surroundings with dozers. Water roads with water trucks.

Attachment L

Lab Analytical Reports

ENVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

AUG 14 PM 1 05

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6E26001

Report Date: 05/30/06

2006 AUG 14 PM 1 05

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W1 A	6E26001-01	Soil	05/25/06 07:00	05/26/06 07:45
W1 B	6E26001-02	Soil	05/25/06 07:02	05/26/06 07:45
W1 C	6E26001-03	Soil	05/25/06 07:04	05/26/06 07:45
W1 D	6E26001-04	Soil	05/25/06 07:06	05/26/06 07:45
W2 A	6E26001-05	Soil	05/25/06 07:08	05/26/06 07:45
W2 B	6E26001-06	Soil	05/25/06 07:10	05/26/06 07:45
W2 C	6E26001-07	Soil	05/25/06 07:12	05/26/06 07:45
W2 D	6E26001-08	Soil	05/25/06 07:14	05/26/06 07:45
W3 A	6E26001-09	Soil	05/25/06 07:16	05/26/06 07:45
W3 B	6E26001-10	Soil	05/25/06 07:18	05/26/06 07:45
W3 C	6E26001-11	Soil	05/25/06 07:20	05/26/06 07:45
W3 D	6E26001-12	Soil	05/25/06 07:22	05/26/06 07:45
W4 A	6E26001-13	Soil	05/25/06 07:24	05/26/06 07:45
W4 B	6E26001-14	Soil	05/25/06 07:26	05/26/06 07:45
W4 C	6E26001-15	Soil	05/25/06 07:28	05/26/06 07:45
W4 D	6E26001-16	Soil	05/25/06 07:30	05/26/06 07:45
W5 A	6E26001-17	Soil	05/25/06 07:32	05/26/06 07:45
W5 B	6E26001-18	Soil	05/25/06 07:34	05/26/06 07:45
W5 C	6E26001-19	Soil	05/25/06 07:36	05/26/06 07:45
W5 D	6E26001-20	Soil	05/25/06 07:38	05/26/06 07:45
W6 A	6E26001-21	Soil	05/25/06 07:40	05/26/06 07:45
W6 B	6E26001-22	Soil	05/25/06 07:42	05/26/06 07:45
W6 C	6E26001-23	Soil	05/25/06 07:44	05/26/06 07:45
W6 D	6E26001-24	Soil	05/25/06 07:46	05/26/06 07:45
W7 A	6E26001-25	Soil	05/25/06 07:48	05/26/06 07:45
W7 B	6E26001-26	Soil	05/25/06 07:50	05/26/06 07:45
W7 C	6E26001-27	Soil	05/25/06 07:52	05/26/06 07:45
W7 D	6E26001-28	Soil	05/25/06 07:54	05/26/06 07:45
W8 A	6E26001-29	Soil	05/25/06 07:56	05/26/06 07:45
W8 B	6E26001-30	Soil	05/25/06 07:58	05/26/06 07:45
W8 C	6E26001-31	Soil	05/25/06 08:00	05/26/06 07:45
W8 D	6E26001-32	Soil	05/25/06 08:02	05/26/06 07:45
W9 A	6E26001-33	Soil	05/25/06 08:04	05/26/06 07:45
W9 B	6E26001-34	Soil	05/25/06 08:06	05/26/06 07:45

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W9 C	6E26001-35	Soil	05/25/06 08:08	05/26/06 07:45
W9 D	6E26001-36	Soil	05/25/06 08:10	05/26/06 07:45
4pt. Wall Comp. W1	6E26001-37	Soil	05/25/06 09:00	05/26/06 07:45
4pt. Wall Comp. W2	6E26001-38	Soil	05/25/06 09:02	05/26/06 07:45
4pt. Wall Comp. W3	6E26001-39	Soil	05/25/06 09:04	05/26/06 07:45
4pt. Wall Comp. W4	6E26001-40	Soil	05/25/06 09:06	05/26/06 07:45
4pt. Wall Comp. W5	6E26001-41	Soil	05/25/06 09:08	05/26/06 07:45
4pt. Wall Comp. W6	6E26001-42	Soil	05/25/06 09:10	05/26/06 07:45
4pt. Wall Comp. W7	6E26001-43	Soil	05/25/06 09:12	05/26/06 07:45
4pt. Wall Comp. W8	6E26001-44	Soil	05/25/06 09:14	05/26/06 07:45
4pt. Wall Comp. W9	6E26001-45	Soil	05/25/06 09:16	05/26/06 07:45
B1 A	6E26001-46	Soil	05/25/06 13:00	05/26/06 07:45
B1 B	6E26001-47	Soil	05/25/06 13:02	05/26/06 07:45
B1 C	6E26001-48	Soil	05/25/06 13:04	05/26/06 07:45
B1 D	6E26001-49	Soil	05/25/06 13:06	05/26/06 07:45
B1 E	6E26001-50	Soil	05/25/06 13:08	05/26/06 07:45
B2 A	6E26001-51	Soil	05/25/06 13:10	05/26/06 07:45
B2 B	6E26001-52	Soil	05/25/06 13:12	05/26/06 07:45
B2 C	6E26001-53	Soil	05/25/06 13:14	05/26/06 07:45
B2 D	6E26001-54	Soil	05/25/06 13:16	05/26/06 07:45
B2 E	6E26001-55	Soil	05/25/06 13:18	05/26/06 07:45
B3 A	6E26001-56	Soil	05/25/06 13:20	05/26/06 07:45
B3 B	6E26001-57	Soil	05/25/06 13:22	05/26/06 07:45
B3 C	6E26001-58	Soil	05/25/06 13:24	05/26/06 07:45
B3 D	6E26001-59	Soil	05/25/06 13:26	05/26/06 07:45
B3 E	6E26001-60	Soil	05/25/06 13:28	05/26/06 07:45
B4 A	6E26001-61	Soil	05/25/06 13:30	05/26/06 07:45
B4 B	6E26001-62	Soil	05/25/06 13:32	05/26/06 07:45
B4 C	6E26001-63	Soil	05/25/06 13:34	05/26/06 07:45
B4 D	6E26001-64	Soil	05/25/06 13:36	05/26/06 07:45
B4 E	6E26001-65	Soil	05/25/06 13:38	05/26/06 07:45

Environmental Lab of Texas

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.

Page 2 of 42

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W1 A (6E26001-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		"	"	"	"	
W1 B (6E26001-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		"	"	"	"	
W1 C (6E26001-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	80-120		"	"	"	"	
W1 D (6E26001-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		"	"	"	"	

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Page 3 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W2 A (6E26001-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
W2 B (6E26001-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
W2 C (6E26001-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	80-120		"	"	"	"	
W2 D (6E26001-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	80-120		"	"	"	"	

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Page 4 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W3 A (6E26001-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	80-120		"	"	"	"	
W3 B (6E26001-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	80-120		"	"	"	"	
W3 C (6E26001-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	80-120		"	"	"	"	
W3 D (6E26001-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	

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Page 5 of 42

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Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W4 A (6E26001-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
W4 B (6E26001-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	80-120		"	"	"	"	
W4 C (6E26001-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		"	"	"	"	
W4 D (6E26001-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		"	"	"	"	

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Page 6 of 42

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Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W5 A (6E26001-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/26/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	
W5 B (6E26001-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
W5 C (6E26001-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		"	"	"	"	
W5 D (6E26001-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		"	"	"	"	

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Page 7 of 42

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W6 A (6E26001-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
W6 B (6E26001-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
W6 C (6E26001-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
W6 D (6E26001-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-120		"	"	"	"	

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Page 8 of 42

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W7 A (6E26001-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
W7 B (6E26001-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	80-120		"	"	"	"	
W7 C (6E26001-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		113 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	
W7 D (6E26001-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	

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Page 9 of 42

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W8 A (6E26001-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		114 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
W8 B (6E26001-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		"	"	"	"	
W8 C (6E26001-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	
W8 D (6E26001-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	

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Page 10 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W9 A (6E26001-33) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
W9 B (6E26001-34) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	
W9 C (6E26001-35) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62602	05/26/06	05/28/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		"	"	"	"	
W9 D (6E26001-36) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	80-120		"	"	"	"	

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Page 11 of 42

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt. Wall Comp. W1 (6E26001-37) Soil									
Carbon Ranges C6-C12	14.5	10.0	mg/kg dry	1	EE62617	05/26/06	05/28/06	EPA 8015M	
Carbon Ranges C12-C28	1070	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	147	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1230	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %	70-130		"	"	"	"	
4pt. Wall Comp. W2 (6E26001-38) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	27.5	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	27.5	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.8 %	70-130		"	"	"	"	
4pt. Wall Comp. W3 (6E26001-39) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	27.4	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	27.4	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		130 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		130 %	70-130		"	"	"	"	
4pt. Wall Comp. W4 (6E26001-40) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		114 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		108 %	70-130		"	"	"	"	

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Page 12 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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05/30/06 16:51

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt. Wall Comp. W5 (6E26001-41) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.4 %	70-130		"	"	"	"	
4pt. Wall Comp. W6 (6E26001-42) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	24.1	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	24.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		83.2 %	70-130		"	"	"	"	
4pt. Wall Comp. W7 (6E26001-43) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		116 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		101 %	70-130		"	"	"	"	
4pt. Wall Comp. W8 (6E26001-44) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		125 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	

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Page 13 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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05/30/06 16:51

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt. Wall Comp. W9 (6E26001-45) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.0 %	70-130		"	"	"	"	
B1 A (6E26001-46) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	45.2	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	13.5	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	58.7	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		88.4 %	70-130		"	"	"	"	
B1 B (6E26001-47) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	43.8	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	43.8	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		107 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		102 %	70-130		"	"	"	"	

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Page 14 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1 C (6E26001-48) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		85.4 %	70-130		"	"	"	"	
B1 D (6E26001-49) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	10.2	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	616	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	68.6	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	695	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		107 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %	70-130		"	"	"	"	
B1 E (6E26001-50) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	

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Page 15 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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05/30/06 16:51

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1 E (6E26001-50) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.2 %	70-130		"	"	"	"	
B2 A (6E26001-51) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	43.1	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	43.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		93.0 %	70-130		"	"	"	"	
B2 B (6E26001-52) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	1190	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	133	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1320	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		120 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		119 %	70-130		"	"	"	"	

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Page 16 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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05/30/06 16:51

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2 C (6E26001-53) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	109	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	109	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.2 %	70-130		"	"	"	"	
B2 D (6E26001-54) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	123	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	123	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		100 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.4 %	70-130		"	"	"	"	
B2 E (6E26001-55) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	

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Page 17 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2 E (6E26001-55) Soil									
Carbon Ranges C12-C28	19.1	10.0	mg/kg dry	1	EE62617	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	19.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.4 %	70-130		"	"	"	"	
B3 A (6E26001-56) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0218]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0348	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	303	20.0	mg/kg dry	2	EE62617	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	9620	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1430	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	11400	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		54.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		49.8 %	70-130		"	"	"	"	S-06
B3 B (6E26001-57) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	J [0.0133]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0456	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0623	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0353	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	70.0	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	1210	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	96.4	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1380	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.6 %	70-130		"	"	"	"	

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Page 18 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3 C (6E26001-58) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0156]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	J [0.0248]	0.0250	"	"	"	"	"	"	J
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	265	20.0	mg/kg dry	2	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	9660	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1460	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	11400	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		50.0 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		53.0 %	70-130		"	"	"	"	S-06
B3 D (6E26001-59) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	J [0.0103]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0367	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0553	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0372	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	435	20.0	mg/kg dry	2	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	11100	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1570	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	13100	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		51.6 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		46.2 %	70-130		"	"	"	"	S-06
B3 E (6E26001-60) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0304	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0442	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0274	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	26.6	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	

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Page 19 of 42

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Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3 E (6E26001-60) Soil									
Carbon Ranges C12-C28	487	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C28-C35	22.2	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	536	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		107 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		106 %	70-130		"	"	"	"	
B4 A (6E26001-61) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		111 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	132	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [9.61]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	132	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		112 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		107 %	70-130		"	"	"	"	
B4 B (6E26001-62) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	109	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	10.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	119	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		109 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		104 %	70-130		"	"	"	"	

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Page 20 of 42

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Project: Maralo
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Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4 C (6E26001-63) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C12-C28	529	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	105	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	634	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		120 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	
B4 D (6E26001-64) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62603	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62616	05/26/06	05/30/06	EPA 8015M	
Carbon Ranges C12-C28	120	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	120	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.2 %	70-130		"	"	"	"	
B4 E (6E26001-65) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE62601	05/26/06	05/29/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	

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Page 21 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4 E (6E26001-65) Soil									
Carbon Ranges C12-C28	10.3	10.0	mg/kg dry	1	EE62616	05/26/06	05/29/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	10.3	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		128 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		123 %	70-130		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W1 A (6E26001-01) Soil									
% Moisture	20.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W1 B (6E26001-02) Soil									
% Moisture	23.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W1 C (6E26001-03) Soil									
% Moisture	9.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W1 D (6E26001-04) Soil									
% Moisture	18.0	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W2 A (6E26001-05) Soil									
% Moisture	23.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W2 B (6E26001-06) Soil									
% Moisture	25.0	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W2 C (6E26001-07) Soil									
% Moisture	23.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W2 D (6E26001-08) Soil									
% Moisture	22.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W3 A (6E26001-09) Soil									
% Moisture	23.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W3 B (6E26001-10) Soil									
% Moisture	18.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W3 C (6E26001-11) Soil									
% Moisture	18.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	

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Page 23 of 42

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W3 D (6E26001-12) Soil									
% Moisture	22.3	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W4 A (6E26001-13) Soil									
% Moisture	28.1	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W4 B (6E26001-14) Soil									
% Moisture	28.1	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W4 C (6E26001-15) Soil									
% Moisture	23.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W4 D (6E26001-16) Soil									
% Moisture	20.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W5 A (6E26001-17) Soil									
% Moisture	23.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W5 B (6E26001-18) Soil									
% Moisture	20.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W5 C (6E26001-19) Soil									
% Moisture	0.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W5 D (6E26001-20) Soil									
% Moisture	27.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W6 A (6E26001-21) Soil									
% Moisture	0.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W6 B (6E26001-22) Soil									
% Moisture	21.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	

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Page 24 of 42

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W6 C (6E26001-23) Soil									
% Moisture	27.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W6 D (6E26001-24) Soil									
% Moisture	22.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W7 A (6E26001-25) Soil									
% Moisture	3.3	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W7 B (6E26001-26) Soil									
% Moisture	24.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W7 C (6E26001-27) Soil									
% Moisture	18.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W7 D (6E26001-28) Soil									
% Moisture	22.3	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W8 A (6E26001-29) Soil									
% Moisture	12.0	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W8 B (6E26001-30) Soil									
% Moisture	22.0	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W8 C (6E26001-31) Soil									
% Moisture	21.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W8 D (6E26001-32) Soil									
% Moisture	24.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W9 A (6E26001-33) Soil									
% Moisture	26.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	

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Page 25 of 42

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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05/30/06 16:51

General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W9 B (6E26001-34) Soil									
% Moisture	23.3	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W9 C (6E26001-35) Soil									
% Moisture	20.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
W9 D (6E26001-36) Soil									
% Moisture	16.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
4pt. Wall Comp. W1 (6E26001-37) Soil									
Chloride	27.3	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	2050	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W2 (6E26001-38) Soil									
Chloride	24.5	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	149	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W3 (6E26001-39) Soil									
Chloride	25.2	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	146	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W4 (6E26001-40) Soil									
Chloride	24.1	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	89.8	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W5 (6E26001-41) Soil									
Chloride	24.7	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	54.5	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	

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Page 26 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt. Wall Comp. W6 (6E26001-42) Soil									
Chloride	76.5	20.0	mg/kg	40	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	2.4	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	208	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W7 (6E26001-43) Soil									
Chloride	32.8	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	104	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W8 (6E26001-44) Soil									
Chloride	25.2	10.0	mg/kg	20	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	113	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
4pt. Wall Comp. W9 (6E26001-45) Soil									
Chloride	20.5	5.00	mg/kg	10	EE63001	05/27/06	05/27/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	180	10.0	mg/kg dry	10	EE62610	05/26/06	05/26/06	EPA 418.1	
B1 A (6E26001-46) Soil									
Chloride	25.5	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	267	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B1 B (6E26001-47) Soil									
Chloride	28.6	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	187	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B1 C (6E26001-48) Soil									
Chloride	55.4	20.0	mg/kg	40	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	43.8	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	

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Page 27 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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05/30/06 16:51

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1 D (6E26001-49) Soil									
Chloride	25.5	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	915	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B1 E (6E26001-50) Soil									
Chloride	34.4	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	46.9	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B2 A (6E26001-51) Soil									
Chloride	25.9	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	159	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B2 B (6E26001-52) Soil									
Chloride	57.1	20.0	mg/kg	40	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	1820	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B2 C (6E26001-53) Soil									
Chloride	53.8	20.0	mg/kg	40	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.5	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	326	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B2 D (6E26001-54) Soil									
Chloride	57.3	20.0	mg/kg	40	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	261	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B2 E (6E26001-55) Soil									
Chloride	24.3	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	116	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	

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Page 28 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3 A (6E26001-56) Soil									
Chloride	32.9	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	17400	50.0	mg/kg dry	50	EE62902	05/29/06	05/29/06	EPA 418.1	
B3 B (6E26001-57) Soil									
Chloride	14.6	5.00	mg/kg	10	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	31.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	20000	50.0	mg/kg dry	50	EE62902	05/29/06	05/29/06	EPA 418.1	
B3 C (6E26001-58) Soil									
Chloride	24.2	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.2	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	17800	50.0	mg/kg dry	50	EE62902	05/29/06	05/29/06	EPA 418.1	
B3 D (6E26001-59) Soil									
Chloride	38.8	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.7	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	22800	50.0	mg/kg dry	50	EE62902	05/29/06	05/29/06	EPA 418.1	
B3 E (6E26001-60) Soil									
Chloride	11.8	5.00	mg/kg	10	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	27.9	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	12700	50.0	mg/kg dry	50	EE62902	05/29/06	05/29/06	EPA 418.1	
B4 A (6E26001-61) Soil									
Chloride	14.7	5.00	mg/kg	10	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	23.8	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	765	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B4 B (6E26001-62) Soil									
Chloride	30.9	5.00	mg/kg	10	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	335	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	

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Page 29 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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05/30/06 16:51

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4 C (6E26001-63) Soil									
Chloride	41.6	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	1200	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B4 D (6E26001-64) Soil									
Chloride	28.2	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	320	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	
B4 E (6E26001-65) Soil									
Chloride	48.2	10.0	mg/kg	20	EE63002	05/28/06	05/28/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
TPH 418.1	112	10.0	mg/kg dry	10	EE62902	05/29/06	05/29/06	EPA 418.1	

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Page 30 of 42

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Project: Maralo
Project Number: None Given
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05/30/06 16:51

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 EE62601 - EPA 5030C (GC)										
Blank (EE62601-BLK1)										
Prepared & Analyzed: 05/26/06										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	39.2		ug/kg	40.0		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	37.2		"	40.0		93.0	80-120			
LCS (EE62601-BS1)										
Prepared: 05/26/06 Analyzed: 05/28/06										
Benzene	0.0509	0.00100	mg/kg wet	0.0500		102	80-120			
Toluene	0.0512	0.00100	"	0.0500		102	80-120			
Ethylbenzene	0.0573	0.00100	"	0.0500		115	80-120			
Xylene (p/m)	0.114	0.00100	"	0.100		114	80-120			
Xylene (o)	0.0575	0.00100	"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	48.0		ug/kg	40.0		120	80-120			
Surrogate: 4-Bromofluorobenzene	42.1		"	40.0		105	80-120			
Calibration Check (EE62601-CCV1)										
Prepared: 05/26/06 Analyzed: 05/28/06										
Benzene	50.9		ug/kg	50.0		102	80-120			
Toluene	51.1		"	50.0		102	80-120			
Ethylbenzene	57.7		"	50.0		115	80-120			
Xylene (p/m)	115		"	100		115	80-120			
Xylene (o)	58.8		"	50.0		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	48.2		"	40.0		120	80-120			
Surrogate: 4-Bromofluorobenzene	47.1		"	40.0		118	80-120			
Matrix Spike (EE62601-MS1)										
Source: 6E26001-15 Prepared: 05/26/06 Analyzed: 05/29/06										
Beuzene	1.41	0.0250	mg/kg dry	1.64	ND	86.0	80-120			
Toluene	1.43	0.0250	"	1.64	ND	87.2	80-120			
Ethylbenzene	1.60	0.0250	"	1.64	ND	97.6	80-120			
Xylene (p/m)	3.33	0.0250	"	3.29	ND	101	80-120			
Xylene (o)	1.67	0.0250	"	1.64	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		ug/kg	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	44.4		"	40.0		111	80-120			

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Page 31 of 42

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05/30/06 16:51

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 EE62601 - EPA 5030C (GC)

Matrix Spike Dup (EE62601-MSD1)

Source: 6E26001-15

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	1.37	0.0250	mg/kg dry	1.64	ND	83.5	80-120	2.95	20	
Toluene	1.39	0.0250	"	1.64	ND	84.8	80-120	2.79	20	
Ethylbenzene	1.54	0.0250	"	1.64	ND	93.9	80-120	3.86	20	
Xylene (p/m)	3.23	0.0250	"	3.29	ND	98.2	80-120	2.81	20	
Xylene (o)	1.62	0.0250	"	1.64	ND	98.8	80-120	3.19	20	
Surrogate: a,a,a-Trifluorotoluene	42.4		ug/kg	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	47.1		"	40.0		118	80-120			

Batch EE62602 - EPA 5030C (GC)

Blank (EE62602-BLK1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	44.0		ug/kg	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	40.1		"	40.0		100	80-120			

LCS (EE62602-BS1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	0.0431	0.00100	mg/kg wet	0.0500		86.2	80-120			
Toluene	0.0421	0.00100	"	0.0500		84.2	80-120			
Ethylbenzene	0.0469	0.00100	"	0.0500		93.8	80-120			
Xylene (p/m)	0.0898	0.00100	"	0.100		89.8	80-120			
Xylene (o)	0.0453	0.00100	"	0.0500		90.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.5		ug/kg	40.0		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			

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Page 32 of 42

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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
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Batch EE62602 - EPA 5030C (GC)

Calibration Check (EE62602-CCV1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	43.9		ug/kg	50.0		87.8	80-120			
Toluene	43.3		"	50.0		86.6	80-120			
Ethylbenzene	47.6		"	50.0		95.2	80-120			
Xylene (p/m)	94.2		"	100		94.2	80-120			
Xylene (o)	48.6		"	50.0		97.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.7		"	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	42.6		"	40.0		106	80-120			

Matrix Spike (EE62602-MS1)

Source: 6E26001-23

Prepared: 05/26/06 Analyzed: 05/28/06

Benzene	1.60	0.0250	mg/kg dry	1.73	ND	92.5	80-120			
Toluene	1.50	0.0250	"	1.73	ND	86.7	80-120			
Ethylbenzene	1.73	0.0250	"	1.73	ND	100	80-120			
Xylene (p/m)	3.44	0.0250	"	3.46	ND	99.4	80-120			
Xylene (o)	1.75	0.0250	"	1.73	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.8		ug/kg	40.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Matrix Spike Dup (EE62602-MSD1)

Source: 6E26001-23

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	1.69	0.0250	mg/kg dry	1.73	ND	97.7	80-120	5.47	20	
Toluene	1.61	0.0250	"	1.73	ND	93.1	80-120	7.12	20	
Ethylbenzene	1.84	0.0250	"	1.73	ND	106	80-120	5.83	20	
Xylene (p/m)	3.66	0.0250	"	3.46	ND	106	80-120	6.43	20	
Xylene (o)	1.87	0.0250	"	1.73	ND	108	80-120	6.70	20	
Surrogate: a,a,a-Trifluorotoluene	46.6		ug/kg	40.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Batch EE62603 - EPA 5030C (GC)

Blank (EE62603-BLK1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	40.6		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	80-120			

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Page 33 of 42

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EE62603 - EPA 5030C (GC)

LCS (EE62603-BS1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	1.11	0.0250	mg/kg wet	1.25		88.8	80-120		
Toluene	1.11	0.0250	"	1.25		88.8	80-120		
Ethylbenzene	1.17	0.0250	"	1.25		93.6	80-120		
Xylene (p/m)	2.63	0.0250	"	2.50		105	80-120		
Xylene (o)	1.31	0.0250	"	1.25		105	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.7		ug/kg	40.0		109	80-120		
Surrogate: 4-Bromofluorobenzene	46.7		"	40.0		117	80-120		

Calibration Check (EE62603-CCV1)

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	43.4		ug/kg	50.0		86.8	80-120		
Toluene	44.0		"	50.0		88.0	80-120		
Ethylbenzene	50.7		"	50.0		101	80-120		
Xylene (p/m)	100		"	100		100	80-120		
Xylene (o)	52.6		"	50.0		105	80-120		
Surrogate: a,a,a-Trifluorotoluene	42.4		"	40.0		106	80-120		
Surrogate: 4-Bromofluorobenzene	45.2		"	40.0		113	80-120		

Matrix Spike (EE62603-MS1)

Source: 6E26001-36

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	1.31	0.0250	mg/kg dry	1.50	ND	87.3	80-120		
Toluene	1.32	0.0250	"	1.50	ND	88.0	80-120		
Ethylbenzene	1.45	0.0250	"	1.50	ND	96.7	80-120		
Xylene (p/m)	3.14	0.0250	"	3.01	ND	104	80-120		
Xylene (o)	1.57	0.0250	"	1.50	ND	105	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.8		ug/kg	40.0		110	80-120		
Surrogate: 4-Bromofluorobenzene	46.6		"	40.0		116	80-120		

Matrix Spike Dup (EE62603-MSD1)

Source: 6E26001-36

Prepared: 05/26/06 Analyzed: 05/29/06

Benzene	1.35	0.0250	mg/kg dry	1.50	ND	90.0	80-120	3.05	20
Toluene	1.36	0.0250	"	1.50	ND	90.7	80-120	3.02	20
Ethylbenzene	1.46	0.0250	"	1.50	ND	97.3	80-120	0.619	20
Xylene (p/m)	3.17	0.0250	"	3.01	ND	105	80-120	0.957	20
Xylene (o)	1.58	0.0250	"	1.50	ND	105	80-120	0.00	20
Surrogate: a,a,a-Trifluorotoluene	43.3		ug/kg	40.0		108	80-120		
Surrogate: 4-Bromofluorobenzene	41.6		"	40.0		104	80-120		

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Page 34 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

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 EE62616 - Solvent Extraction (GC)

Blank (EE62616-BLK1)

Prepared: 05/26/06 Analyzed: 05/29/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	50.9		"	50.0		102	70-130			

LCS (EE62616-BS1)

Prepared: 05/26/06 Analyzed: 05/30/06

Carbon Ranges C6-C12	457	10.0	mg/kg wet	500		91.4	75-125			
Carbon Ranges C12-C28	461	10.0	"	500		92.2	75-125			
Total Hydrocarbon nC6-nC35	918	10.0	"	1000		91.8	75-125			
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.0		86.6	70-130			
Surrogate: 1-Chlorooctadecane	35.0		"	50.0		70.0	70-130			

Calibration Check (EE62616-CCV1)

Prepared: 05/26/06 Analyzed: 05/29/06

Carbon Ranges C6-C12	274		mg/kg	250		110	80-120			
Carbon Ranges C12-C28	289		"	250		116	80-120			
Total Hydrocarbon nC6-nC35	563		"	500		113	80-120			
Surrogate: 1-Chlorooctane	49.1		"	50.0		98.2	70-130			
Surrogate: 1-Chlorooctadecane	45.8		"	50.0		91.6	70-130			

Matrix Spike (EE62616-MS1)

Source: 6E24016-41

Prepared: 05/26/06 Analyzed: 05/30/06

Carbon Ranges C6-C12	462	10.0	mg/kg dry	503	ND	91.8	75-125			
Carbon Ranges C12-C28	485	10.0	"	503	ND	96.4	75-125			
Total Hydrocarbon nC6-nC35	947	10.0	"	1010	ND	93.8	75-125			
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0		90.0	70-130			
Surrogate: 1-Chlorooctadecane	39.0		"	50.0		78.0	70-130			

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Page 35 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE62616 - Solvent Extraction (GC)

Matrix Spike Dup (EE62616-MSD1)		Source: 6E24016-41		Prepared: 05/26/06		Analyzed: 05/30/06				
Carbon Ranges C6-C12	471	10.0	mg/kg dry	503	ND	93.6	75-125	1.93	20	
Carbon Ranges C12-C28	490	10.0	"	503	ND	97.4	75-125	1.03	20	
Total Hydrocarbon nC6-nC35	961	10.0	"	1010	ND	95.1	75-125	1.47	20	
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.2	70-130			
Surrogate: 1-Chlorooctadecane	38.9		"	50.0		77.8	70-130			

Batch EE62617 - Solvent Extraction (GC)

Blank (EE62617-BLK1)				Prepared: 05/26/06		Analyzed: 05/28/06				
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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	48.9		"	50.0		97.8	70-130			

LCS (EE62617-BS1)				Prepared: 05/26/06		Analyzed: 05/30/06				
Carbon Ranges C6-C12	536	10.0	mg/kg wet	500		107	75-125			
Carbon Ranges C12-C28	538	10.0	"	500		108	75-125			
Total Hydrocarbon nC6-nC35	1070	10.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	51.1		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	42.7		"	50.0		85.4	70-130			

Calibration Check (EE62617-CCV1)				Prepared: 05/26/06		Analyzed: 05/30/06				
Carbon Ranges C6-C12	225		mg/kg	250		90.0	80-120			
Carbon Ranges C12-C28	271		"	250		108	80-120			
Total Hydrocarbon nC6-nC35	496		"	500		99.2	80-120			
Surrogate: 1-Chlorooctane	40.7		"	50.0		81.4	70-130			
Surrogate: 1-Chlorooctadecane	36.5		"	50.0		73.0	70-130			

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Page 36 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EE62617 - Solvent Extraction (GC)

Matrix Spike (EE62617-MS1)

Source: 6E26001-55

Prepared: 05/26/06 Analyzed: 05/30/06

Carbon Ranges C6-C12	506	10.0	mg/kg dry	504	ND	100	75-125		
Carbon Ranges C12-C28	552	10.0	"	504	19.1	106	75-125		
Total Hydrocarbon nC6-nC35	1060	10.0	"	1010	19.1	103	75-125		
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	70-130		
Surrogate: 1-Chlorooctadecane	43.3		"	50.0		86.6	70-130		

Matrix Spike Dup (EE62617-MSD1)

Source: 6E26001-55

Prepared: 05/26/06 Analyzed: 05/30/06

Carbon Ranges C6-C12	506	10.0	mg/kg dry	504	ND	100	75-125	0.00	20
Carbon Ranges C12-C28	542	10.0	"	504	19.1	104	75-125	1.83	20
Total Hydrocarbon nC6-nC35	1050	10.0	"	1010	19.1	102	75-125	0.948	20
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	70-130		
Surrogate: 1-Chlorooctadecane	43.6		"	50.0		87.2	70-130		

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Page 37 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EE62610 - 418.1									
Blank (EE62610-BLK1)				Prepared & Analyzed: 05/26/06					
TPH 418.1	ND	10.0	mg/kg wet						
Calibration Check (EE62610-CCV1)				Prepared & Analyzed: 05/26/06					
TPH 418.1	5220		mg/kg	4990	105	80-120			
Matrix Spike (EE62610-MS1)				Source: 6E19014-01 Prepared & Analyzed: 05/26/06					
TPH 418.1	4230	10.0	mg/kg dry	2510	1740	99.2	80-120		
Matrix Spike Dup (EE62610-MSD1)				Source: 6E19014-01 Prepared & Analyzed: 05/26/06					
TPH 418.1	4200	10.0	mg/kg dry	2510	1740	98.0	80-120	0.712	20
Batch EE62901 - General Preparation (Prep)									
Blank (EE62901-BLK1)				Prepared: 05/26/06 Analyzed: 05/30/06					
% Moisture	ND	0.1	%						
Blank (EE62901-BLK2)				Prepared: 05/26/06 Analyzed: 05/30/06					
% Moisture	ND	0.1	%						
Duplicate (EE62901-DUP1)				Source: 6E26001-01 Prepared: 05/26/06 Analyzed: 05/27/06					
% Solids	79.6		%		79.2		0.504	20	
Duplicate (EE62901-DUP2)				Source: 6E26001-21 Prepared: 05/26/06 Analyzed: 05/27/06					
% Solids	99.5		%		99.4		0.101	20	
Duplicate (EE62901-DUP3)				Source: 6E26001-41 Prepared: 05/26/06 Analyzed: 05/27/06					
% Solids	99.1		%		99.1		0.00	20	

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Page 38 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
05/30/06 16:51

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 EE62901 - General Preparation (Prep)										
Duplicate (EE62901-DUP4)		Source: 6E26001-61		Prepared: 05/26/06 Analyzed: 05/27/06						
% Solids	75.2		%		76.2			1.32	20	
Duplicate (EE62901-DUP5)		Source: 6E26003-07		Prepared: 05/26/06 Analyzed: 05/27/06						
% Solids	98.0		%		98.3			0.306	20	
Duplicate (EE62901-DUP6)		Source: 6E26004-07		Prepared: 05/26/06 Analyzed: 05/27/06						
% Solids	97.9		%		96.7			1.23	20	
Duplicate (EE62901-DUP7)		Source: 6E26005-06		Prepared: 05/26/06 Analyzed: 05/27/06						
% Solids	99.3		%		99.5			0.201	20	
Duplicate (EE62901-DUP8)		Source: 6E26008-04		Prepared: 05/26/06 Analyzed: 05/27/06						
% Solids	98.6		%		91.7			7.25	20	
Batch EE62902 - 418.1										
Blank (EE62902-BLK1)		Prepared & Analyzed: 05/29/06								
TPH 418.1	ND		10.0 mg/kg wet							
Calibration Check (EE62902-CCV1)		Prepared & Analyzed: 05/29/06								
TPH 418.1	5040		mg/kg	4990		101	80-120			
Matrix Spike (EE62902-MS1)		Source: 6E26001-46		Prepared & Analyzed: 05/29/06						
TPH 418.1	2690	10.0	mg/kg dry	2510	267	96.5	80-120			
Matrix Spike Dup (EE62902-MSD1)		Source: 6E26001-46		Prepared & Analyzed: 05/29/06						
TPH 418.1	2710	10.0	mg/kg dry	2510	267	97.3	80-120	0.741	20	

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Page 39 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Reported:
05/30/06 16:51

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EE63001 - Water Extraction									
Blank (EE63001-BLK1)				Prepared & Analyzed: 05/27/06					
Chloride	ND	0.500	mg/kg						
LCS (EE63001-BS1)				Prepared & Analyzed: 05/27/06					
Chloride	9.81	0.500	mg/kg	10.0		98.1	80-120		
Calibration Check (EE63001-CCV1)				Prepared & Analyzed: 05/27/06					
Chloride	10.1		mg/L	10.0		101	80-120		
Duplicate (EE63001-DUP1)				Source: 6E26001-37		Prepared & Analyzed: 05/27/06			
Chloride	24.6	10.0	mg/kg		27.3		10.4	20	
Matrix Spike (EE63001-MS1)				Source: 6E26001-37		Prepared & Analyzed: 05/27/06			
Chloride	217	10.0	mg/kg	200	27.3	94.8	80-120		
Batch EE63002 - Water Extraction									
Blank (EE63002-BLK1)				Prepared & Analyzed: 05/28/06					
Chloride	ND	0.500	mg/kg						
LCS (EE63002-BS1)				Prepared & Analyzed: 05/28/06					
Chloride	10.1	0.500	mg/kg	10.0		101	80-120		
Calibration Check (EE63002-CCV1)				Prepared & Analyzed: 05/28/06					
Chloride	10.2		mg/L	10.0		102	80-120		
Duplicate (EE63002-DUP1)				Source: 6E26001-47		Prepared & Analyzed: 05/28/06			
Chloride	28.7	10.0	mg/kg		28.6		0.349	20	

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Page 40 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Reported:
05/30/06 16:51

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
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Batch EE63002 - Water Extraction

Duplicate (EE63002-DUP2) **Source: 6E26001-58** Prepared & Analyzed: 05/28/06

Chloride	22.7	10.0	mg/kg		24.2			6.40	20	
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Matrix Spike (EE63002-MS1) **Source: 6E26001-47** Prepared & Analyzed: 05/28/06

Chloride	210	10.0	mg/kg	200	28.6	90.7	80-120			
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Matrix Spike (EE63002-MS2) **Source: 6E26001-58** Prepared & Analyzed: 05/28/06

Chloride	203	10.0	mg/kg	200	24.2	89.4	80-120			
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Page 41 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Reported:
05/30/06 16:51

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

5/30/2006

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.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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.

Page 42 of 42

51012

Phone: 432-563-1800
Fax: 432-563-1713

51012

Project Name: Maralo

Project #:

Project Loc: Amble state #3

PO#:

Fax No:

TCLP:				
-------	--	--	--	--

[illegible]

ENVIRONMENTAL LAB OF TEXAS

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Logan Anderson

Company Name

Elke Environmental

Company Address:

P.O. Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

432-366-0043

Sampler Signature:

[Signature]

Email:

Fax No:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Manalo

Project #:

Project Loc:

Humble State #3

PO #:

402-0155

LAB # (Lab Use Only) 100

Special Instructions:

Rush TAT

Late Tuesday

Relinquished by:

[Signature]

Received by:

Kim Baker

Relinquished by:

Kim Baker

Received by ELDT: FROM DROP BOX

James McManis

Sample Containers intact?

Labels on container?

Custody Seals: *Original*

Temperature Upon Receipt: *2.5°C*

Laboratory Comments:

Date: *5-25-06* Time: *5:30*

Date: *05-26-06* Time: *07:45*

三

Phone: 432-563-1800
Fax: 432-563-1713

5

Project Manager: Logan Anderson

Company Name: Elke Environmental

Company Address: PO Box 14167

City/State/Zip: Odessa, TX 79768

Telephone No: 432-366-0043

Fax No: _____

Sampler Signature: [Signature]

Telephone No: 432-366-0043

10

1

4/28/55

Sample Containers: Intact?

2,5'c
Cooler

Received by:

Date	Time
------	------

Received by ELOT:FROM DROP BOX

Date	Time
------	------

Presented and read

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Logan Anderson

Company Name

Elke Environmental

Company Address:

PO Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

432-366-0043

Fax No:

Sampler Signature:

[Signature]

Email:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative													Matrix													Analyze For:												
					Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8218 8260 or BTEX 8260	RC	NORM	RUSH TAT (Pre-Schedule)	Standard TAT																
W8C W8D W9A W9B W9C W9D		5-25-06	8:00A	1	X																X						X																
		5-25-06	8:08A	1	X																X						X																
		5-25-06	8:04A	1	X																X						X																
		5-25-06	8:06A	1	X																X						X																
		5-25-06	8:08A	1	X																X						X																
		5-25-06	8:10A	1	X																X						X																

Special Instructions:

late Tuesday Rush TAT

Relinquished by:	<i>[Signature]</i>	Date	<i>5-25-06</i>	Time	<i>5:30P</i>	Received by:	<i>[Signature]</i>	Date	<i>5-25-06</i>	Time	<i>5:30</i>
Relinquished by:	<i>[Signature]</i>	Date	<i>5-25-06</i>	Time	<i>6:30</i>	Received by:	<i>[Signature]</i>	Date	<i>5-26-06</i>	Time	<i>0745</i>

Laboratory Comments:

Sample Containers Intact?

N

Labels on container?

N

Custody Seals: *Cooler*

Temperature Upon Receipt: *2.5°C*

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Marala

Project #:

Project Loc:

Humble State #3

PO #:

Page 4 of 7

12600 West 1-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Logan Anderson
Fax: 432-363-1713

Project Name:

Mara 6

Company Name

Elke Endicott

Project #:

Company Address:

P.O. Box 14167

Project Loc:

Hamble stock #3

City/State/Zip:

City/State/Zip: Odessa, TX 79768

福

Telephone No:

437-366-0043

Fax No:

Sampler Signature:

00

Email:

[illegible]

Special Instructions:

Lush TAT

Late Tuesday

Requiring signed by:

Date	Time
------	------

Received by:

Date _____

Time

Relinquished by:

Date	Time
------	------

Received by ELOT: FROM DROP BOX

Date _____

Time

Sample Containers: Intact?

Labels on containers?

Custody, Seals: Containers: Coolers

Temperature Upon Receipt:

Laboratory Comments:

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Logan Anderson

Company Name

Elke Environmental

Company Address:

PO Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

432-366-0043

Fax No:

Sampler Signature:

[Signature]

Project Name:

Mamto

Project #:

Humble State #3

PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative												Matrix										Standard TAT	RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TPH: (18, 17, 10, 15M)	Cations (Ca, Mg, Na, K)	Anions (SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX (0218) 5030 or BTEX 82	RCI	NORM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Special Instructions:

Rush TAT Late Tuesday

Relinquished by:

[Signature]

Date

Time

Date

Time

Relinquished by:

[Signature]

Date

Time

Date

Time

Sample Containers Intact?

Temperature Upon Receipt:

Laboratory Comments: 25°C

5-25-06 5:30

5-25-06 5:30

5-25-06 6:30

5-26-06 0745

Received by ELOT FROM DROP BOX

Logan Anderson

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Logan Anderson

Company Name

ETke Environmental

Company Address:

PO Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

432-366-0043

Sampler Signature:

[Signature]

Email:

Fax No:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Margalo

Project #:

Project Loc:

Humble State #3

PO #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix										Analyze For										Standard TAT	RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					Is	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sediment	Soil	Other (Specify)	TPH (418, 18015M)	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX (002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Special Instructions:

Rush TAT Late Tuesday

Relinquished by:

[Signature]

Received by:

[Signature]

Relinquished by:

[Signature]

Received by ELDT: FROM DROP BOX

jeanne murray

Laboratory Comments:

Sample Containers Intact?

Labels on container?

Custody Seals: Contained & Coded

Temperature Upon Receipt: 25°C

Date

Time

Date

Time

Date

Time

Date

Time

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

Client: Elke EW.

Date/Time: 5/26/06 7:45

Order #: UE26001

Initials: CR

Sample Receipt Checklist

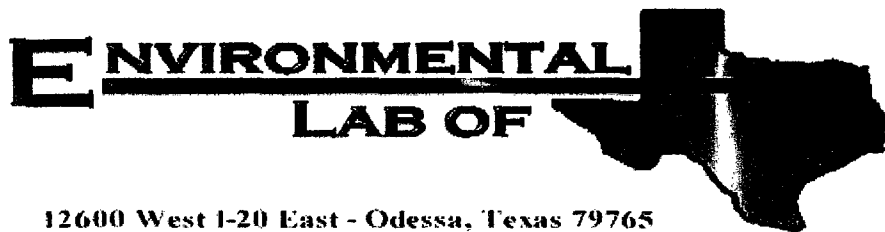
Temperature of container/cooler?	Yes	No	215 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of 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:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F09001

Report Date: 06/16/06

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W19A	6F09001-01	Soil	06/08/06 07:00	06/08/06 17:45
W19B	6F09001-02	Soil	06/08/06 07:05	06/08/06 17:45
W19C	6F09001-03	Soil	06/08/06 07:10	06/08/06 17:45
W19D	6F09001-04	Soil	06/08/06 07:15	06/08/06 17:45
W20A	6F09001-05	Soil	06/08/06 07:25	06/08/06 17:45
W20B	6F09001-06	Soil	06/08/06 07:30	06/08/06 17:45
W20C	6F09001-07	Soil	06/08/06 07:35	06/08/06 17:45
W20D	6F09001-08	Soil	06/08/06 07:40	06/08/06 17:45
W21A	6F09001-09	Soil	06/08/06 07:50	06/08/06 17:45
W21B	6F09001-10	Soil	06/08/06 07:55	06/08/06 17:45
W21C	6F09001-11	Soil	06/08/06 08:00	06/08/06 17:45
W21D	6F09001-12	Soil	06/08/06 08:05	06/08/06 17:45
4pt. Comp. W19	6F09001-13	Soil	06/08/06 07:20	06/08/06 17:45
4pt. Comp. W20	6F09001-14	Soil	06/08/06 07:45	06/08/06 17:45
4pt. Comp. W21	6F09001-15	Soil	06/08/06 08:10	06/08/06 17:45

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W19A (6F09001-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
W19B (6F09001-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	
W19C (6F09001-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		80.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-120		"	"	"	"	
W19D (6F09001-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		88.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	

Environmental Lab of Texas

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Page 2 of 14

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W20A (6F09001-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	80-120		"	"	"	"	
W20B (6F09001-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
W20C (6F09001-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	
W20D (6F09001-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	

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Page 3 of 14

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W21A (6F09001-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	80-120		"	"	"	"	
W21B (6F09001-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.8 %	80-120		"	"	"	"	
W21C (6F09001-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.2 %	80-120		"	"	"	"	
W21D (6F09001-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	80-120		"	"	"	"	

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Page 4 of 14

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt. Comp. W19 (6F09001-13) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60924	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.6 %	70-130		"	"	"	"	
4pt. Comp. W20 (6F09001-14) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60924	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		102 %	70-130		"	"	"	"	
4pt. Comp. W21 (6F09001-15) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.8 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 5 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W19A (6F09001-01) Soil									
% Moisture	1.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W19B (6F09001-02) Soil									
% Moisture	1.2	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W19C (6F09001-03) Soil									
% Moisture	1.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W19D (6F09001-04) Soil									
% Moisture	2.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W20A (6F09001-05) Soil									
% Moisture	1.5	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W20B (6F09001-06) Soil									
% Moisture	0.2	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W20C (6F09001-07) Soil									
% Moisture	5.5	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W20D (6F09001-08) Soil									
% Moisture	0.4	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W21A (6F09001-09) Soil									
% Moisture	2.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W21B (6F09001-10) Soil									
% Moisture	0.6	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
W21C (6F09001-11) Soil									
% Moisture	1.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	

Environmental Lab of Texas

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Page 6 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W21D (6F09001-12) Soil									
% Moisture	4.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
4pt. Comp. W19 (6F09001-13) Soil									
Chloride	11.1	5.00	mg/kg	10	EF61003	06/09/06	06/09/06	EPA 300.0	
% Moisture	16.6	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	181	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4pt. Comp. W20 (6F09001-14) Soil									
Chloride	12.7	5.00	mg/kg	10	EF61003	06/09/06	06/09/06	EPA 300.0	
% Moisture	8.3	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4pt. Comp. W21 (6F09001-15) Soil									
Chloride	12.3	5.00	mg/kg	10	EF61003	06/09/06	06/09/06	EPA 300.0	
% Moisture	21.9	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	

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Page 7 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60924 - Solvent Extraction (GC)

Blank (EF60924-BLK1)

Prepared & Analyzed: 06/09/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	70-130			
Surrogate: 1-Chlorooctadecane	52.1		"	50.0		104	70-130			

LCS (EF60924-BS1)

Prepared & Analyzed: 06/09/06

Carbon Ranges C6-C12	503	10.0	mg/kg wet	500		101	75-125			
Carbon Ranges C12-C28	505	10.0	"	500		101	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	49.1		"	50.0		98.2	70-130			

Calibration Check (EF60924-CCV1)

Prepared & Analyzed: 06/09/06

Carbon Ranges C6-C12	275		mg/kg	250		110	80-120			
Carbon Ranges C12-C28	298		"	250		119	80-120			
Total Hydrocarbon nC6-nC35	572		"	500		114	80-120			
Surrogate: 1-Chlorooctane	48.5		"	50.0		97.0	70-130			
Surrogate: 1-Chlorooctadecane	46.0		"	50.0		92.0	70-130			

Matrix Spike (EF60924-MS1)

Source: 6F08005-01

Prepared & Analyzed: 06/09/06

Carbon Ranges C6-C12	577	10.0	mg/kg dry	554	ND	104	75-125			
Carbon Ranges C12-C28	587	10.0	"	554	ND	106	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1160	10.0	"	1110	ND	105	75-125			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	48.3		"	50.0		96.6	70-130			

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Page 8 of 14

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60924 - Solvent Extraction (GC)

Matrix Spike Dup (EF60924-MSD1)

Source: 6F08005-01

Prepared & Analyzed: 06/09/06

Carbon Ranges C6-C12	576	10.0	mg/kg dry	554	ND	104	75-125	0.173	20	
Carbon Ranges C12-C28	589	10.0	"	554	ND	106	75-125	0.340	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1170	10.0	"	1110	ND	105	75-125	0.858	20	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	48.5		"	50.0		97.0	70-130			

Batch EF60928 - EPA 5030C (GC)

Blank (EF60928-BLK1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	39.0		ug/kg	40.0		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120			

LCS (EF60928-BS1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.24	0.0250	mg/kg wet	1.25		99.2	80-120			
Toluene	1.25	0.0250	"	1.25		100	80-120			
Ethylbenzene	1.42	0.0250	"	1.25		114	80-120			
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120			
Xylene (o)	1.28	0.0250	"	1.25		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	39.2		"	40.0		98.0	80-120			

Environmental Lab of Texas

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Page 9 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60928 - EPA 5030C (GC)

Calibration Check (EF60928-CCV1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	48.7		ug/kg	50.0		97.4	80-120			
Toluene	50.7		"	50.0		101	80-120			
Ethylbenzene	48.2		"	50.0		96.4	80-120			
Xylene (p/m)	98.7		"	100		98.7	80-120			
Xylene (o)	53.3		"	50.0		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.9		"	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120			

Matrix Spike (EF60928-MS1)

Source: 6F08014-09

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.38	0.0250	mg/kg dry	1.44	ND	95.8	80-120			
Toluene	1.36	0.0250	"	1.44	ND	94.4	80-120			
Ethylbenzene	1.35	0.0250	"	1.44	ND	93.8	80-120			
Xylene (p/m)	2.66	0.0250	"	2.88	ND	92.4	80-120			
Xylene (o)	1.42	0.0250	"	1.44	ND	98.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.9		ug/kg	40.0		97.2	80-120			
Surrogate: 4-Bromofluorobenzene	33.2		"	40.0		83.0	80-120			

Matrix Spike Dup (EF60928-MSD1)

Source: 6F08014-09

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.31	0.0250	mg/kg dry	1.44	ND	91.0	80-120	5.14	20	
Toluene	1.25	0.0250	"	1.44	ND	86.8	80-120	8.39	20	
Ethylbenzene	1.21	0.0250	"	1.44	ND	84.0	80-120	11.0	20	
Xylene (p/m)	2.49	0.0250	"	2.88	ND	86.5	80-120	6.60	20	
Xylene (o)	1.36	0.0250	"	1.44	ND	94.4	80-120	4.35	20	
Surrogate: a,a,a-Trifluorotoluene	36.5		ug/kg	40.0		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	33.6		"	40.0		84.0	80-120			

Batch EF60929 - Solvent Extraction (GC)

Blank (EF60929-BLK1)

Prepared: 06/09/06 Analyzed: 06/13/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0		93.0	70-130			
Surrogate: 1-Chlorooctadecane	46.7		"	50.0		93.4	70-130			

Environmental Lab of Texas

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Page 10 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF60929 - Solvent Extraction (GC)									
LCS (EF60929-BS1) Prepared: 06/09/06 Analyzed: 06/13/06									
Carbon Ranges C6-C12	426	10.0	mg/kg wet	500		85.2	75-125		
Carbon Ranges C12-C28	495	10.0	"	500		99.0	75-125		
Total Hydrocarbon nC6-nC35	921	10.0	"	1000		92.1	75-125		
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.6	70-130		
Surrogate: 1-Chlorooctadecane	42.8		"	50.0		85.6	70-130		
Calibration Check (EF60929-CCV1) Prepared: 06/09/06 Analyzed: 06/14/06									
Carbon Ranges C6-C12	273		mg/kg wet				80-120		
Carbon Ranges C12-C28	281		"				80-120		
Total Hydrocarbon nC6-nC35	554		"				80-120		
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	70-130		
Surrogate: 1-Chlorooctadecane	47.9		"	50.0		95.8	70-130		
Matrix Spike (EF60929-MS1) Source: 6F09001-15 Prepared: 06/09/06 Analyzed: 06/13/06									
Carbon Ranges C6-C12	645	10.0	mg/kg dry	640	ND	101	75-125		
Carbon Ranges C12-C28	631	10.0	"	640	ND	98.6	75-125		
Total Hydrocarbon nC6-nC35	1280	10.0	"	1280	ND	100	75-125		
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	70-130		
Surrogate: 1-Chlorooctadecane	41.3		"	50.0		82.6	70-130		
Matrix Spike Dup (EF60929-MSD1) Source: 6F09001-15 Prepared: 06/09/06 Analyzed: 06/13/06									
Carbon Ranges C6-C12	653	10.0	mg/kg dry	640	ND	102	75-125	1.23	20
Carbon Ranges C12-C28	687	10.0	"	640	ND	107	75-125	8.50	20
Total Hydrocarbon nC6-nC35	1340	10.0	"	1280	ND	105	75-125	4.58	20
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	70-130		
Surrogate: 1-Chlorooctadecane	41.2		"	50.0		82.4	70-130		

Environmental Lab of Texas

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Page 11 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60913 - 418.1										
Blank (EF60913-BLK1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF60913-CCV1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	5320		mg/kg	4990		107	80-120			
Matrix Spike (EF60913-MS1)				Source: 6F07012-37		Prepared & Analyzed: 06/09/06				
TPH 418.1	2300	10.0	mg/kg dry	2510	ND	91.6	80-120			
Matrix Spike Dup (EF60913-MSD1)				Source: 6F07012-37		Prepared & Analyzed: 06/09/06				
TPH 418.1	2280	10.0	mg/kg dry	2510	ND	90.8	80-120	0.873	20	
Batch EF61003 - Water Extraction										
Blank (EF61003-BLK1)				Prepared & Analyzed: 06/09/06						
Chloride	ND	0.500	mg/kg							
LCS (EF61003-BS1)				Prepared & Analyzed: 06/09/06						
Chloride	9.96	0.500	mg/kg	10.0		99.6	80-120			
Calibration Check (EF61003-CCV1)				Prepared & Analyzed: 06/09/06						
Chloride	9.91		mg/L	10.0		99.1	80-120			
Duplicate (EF61003-DUP1)				Source: 6F08014-25		Prepared & Analyzed: 06/09/06				
Chloride	18.5	5.00	mg/kg		18.9			2.14	20	
Duplicate (EF61003-DUP2)				Source: 6F09001-14		Prepared & Analyzed: 06/09/06				
Chloride	12.2	5.00	mg/kg		12.7			4.02	20	

Environmental Lab of Texas

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Page 12 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61003 - Water Extraction									
Matrix Spike (EF61003-MS1)		Source: 6F08014-25		Prepared & Analyzed: 06/09/06					
Chloride	113	5.00	mg/kg	100	18.9	94.1	80-120		
Matrix Spike (EF61003-MS2)		Source: 6F09001-14		Prepared & Analyzed: 06/09/06					
Chloride	99.7	5.00	mg/kg	100	12.7	87.0	80-120		
Batch EF61101 - General Preparation (Prep)									
Blank (EF61101-BLK1)		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	100		%						
Duplicate (EF61101-DUP1)		Source: 6F08014-01		Prepared: 06/10/06 Analyzed: 06/11/06					
% Solids	88.3		%		88.8		0.565	20	
Duplicate (EF61101-DUP2)		Source: 6F09002-02		Prepared: 06/10/06 Analyzed: 06/11/06					
% Solids	99.2		%		99.0		0.202	20	
Duplicate (EF61101-DUP3)		Source: 6F09002-22		Prepared: 06/10/06 Analyzed: 06/11/06					
% Solids	95.8		%		95.1		0.733	20	
Duplicate (EF61101-DUP4)		Source: 6F09007-02		Prepared: 06/10/06 Analyzed: 06/11/06					
% Solids	91.0		%		90.4		0.662	20	
Duplicate (EF61101-DUP5)		Source: 6F09012-01		Prepared: 06/10/06 Analyzed: 06/11/06					
% Solids	90.6		%		90.9		0.331	20	

Environmental Lab of Texas

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Page 13 of 14

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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:

6/16/2006

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.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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.

Page 14 of 14

Environmental Lab of Iexas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Logan Anderson

Project Nama:

Mar 10

Company Name

Elke Environment

Project

Company Address:

PO Box 14167

Project Loc:

Unmble state #3

City/State/Zip:

Odezza, TX 79768

洋行

Telephone No:

366-0043

Fax No:

Sampler Signature:

Email:

[illegible]

Special Instructions:

Belinvalghed h.

Date _____

Time

Received by:

1

Date _____

Time

Relinquished by:

Date _____

Time

Received by EL0T:

1

Date _____

3111

Sample Containers Intact?
Labels on container?
Custody/Seals: Containers
Temperature Upon Receipt:

Laboratory Comments:

60

Arz. Goss

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-1800
Fax: 432-563-1713

Logan Anderson

Project Name:

Mar 10

Elke Environ mental

Project #:

Box 14167

Project Loc:

Odeッサ, TX 79768

非

366-00437

Fax No:

Sampler Signature:

4

Email:

[illegible]

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

Lab: Elke Env
 Date/Time: 6/8/06 5:45
 Order #: 6F080 6F09001
 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	
LOC samples have zero headspace?	☒ Yes	No	Not Applicable

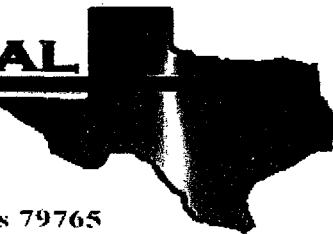
Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:

ENVIRONMENTAL **LAB OF**



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F07012

Report Date: 06/13/06

2006 06 14 PM 1 05

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W 10 A	6F07012-01	Soil	06/07/06 07:00	06/07/06 17:00
W 10 B	6F07012-02	Soil	06/07/06 07:05	06/07/06 17:00
W 10 C	6F07012-03	Soil	06/07/06 07:10	06/07/06 17:00
W 10 D	6F07012-04	Soil	06/07/06 07:15	06/07/06 17:00
W 11 A	6F07012-05	Soil	06/07/06 07:25	06/07/06 17:00
W 11 B	6F07012-06	Soil	06/07/06 07:30	06/07/06 17:00
W 11 C	6F07012-07	Soil	06/07/06 07:35	06/07/06 17:00
W 11 D	6F07012-08	Soil	06/07/06 07:40	06/07/06 17:00
W 12 A	6F07012-09	Soil	06/07/06 07:50	06/07/06 17:00
W 12 B	6F07012-10	Soil	06/07/06 07:55	06/07/06 17:00
W 12 C	6F07012-11	Soil	06/07/06 08:00	06/07/06 17:00
W 12 D	6F07012-12	Soil	06/07/06 08:05	06/07/06 17:00
W 13 A	6F07012-13	Soil	06/07/06 08:15	06/07/06 17:00
W 13 B	6F07012-14	Soil	06/07/06 08:20	06/07/06 17:00
W 13 C	6F07012-15	Soil	06/07/06 08:25	06/07/06 17:00
W 13 D	6F07012-16	Soil	06/07/06 08:30	06/07/06 17:00
W 14 A	6F07012-17	Soil	06/07/06 08:40	06/07/06 17:00
W 14 B	6F07012-18	Soil	06/07/06 08:45	06/07/06 17:00
W 14 C	6F07012-19	Soil	06/07/06 08:50	06/07/06 17:00
W 14 D	6F07012-20	Soil	06/07/06 08:55	06/07/06 17:00
W 15 A	6F07012-21	Soil	06/07/06 09:05	06/07/06 17:00
W 15 B	6F07012-22	Soil	06/07/06 09:10	06/07/06 17:00
W 15 C	6F07012-23	Soil	06/07/06 09:15	06/07/06 17:00
W 15 D	6F07012-24	Soil	06/07/06 09:20	06/07/06 17:00
W 16 A	6F07012-25	Soil	06/07/06 09:30	06/07/06 17:00
W 16 B	6F07012-26	Soil	06/07/06 09:35	06/07/06 17:00
W 16 C	6F07012-27	Soil	06/07/06 09:40	06/07/06 17:00
W 16 D	6F07012-28	Soil	06/07/06 09:45	06/07/06 17:00
W 17 A	6F07012-29	Soil	06/07/06 09:55	06/07/06 17:00
W 17 B	6F07012-30	Soil	06/07/06 10:00	06/07/06 17:00
W 17 C	6F07012-31	Soil	06/07/06 10:05	06/07/06 17:00
W 17 D	6F07012-32	Soil	06/07/06 10:10	06/07/06 17:00
W 18 A	6F07012-33	Soil	06/07/06 10:20	06/07/06 17:00
W 18 B	6F07012-34	Soil	06/07/06 10:25	06/07/06 17:00

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W 18 C	6F07012-35	Soil	06/07/06 10:30	06/07/06 17:00
W 18 D	6F07012-36	Soil	06/07/06 10:35	06/07/06 17:00
4 pt. Comp. W10	6F07012-37	Soil	06/07/06 07:20	06/07/06 17:00
4 pt. Comp. W11	6F07012-38	Soil	06/07/06 07:45	06/07/06 17:00
4 pt. Comp. W12	6F07012-39	Soil	06/07/06 08:10	06/07/06 17:00
4 pt. Comp. W13	6F07012-40	Soil	06/07/06 08:35	06/07/06 17:00
4 pt. Comp. W14	6F07012-41	Soil	06/07/06 09:00	06/07/06 17:00
4 pt. Comp. W15	6F07012-42	Soil	06/07/06 09:25	06/07/06 17:00
4 pt. Comp. W16	6F07012-43	Soil	06/07/06 09:50	06/07/06 17:00
4 pt. Comp. W17	6F07012-44	Soil	06/07/06 10:15	06/07/06 17:00
4 pt. Comp. W18	6F07012-45	Soil	06/07/06 10:40	06/07/06 17:00

Environmental Lab of Texas

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Page 2 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 10 A (6F07012-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		"	"	"	"	
W 10 B (6F07012-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-120		"	"	"	"	
W 10 C (6F07012-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		85.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
W 10 D (6F07012-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		87.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	

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Page 3 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 11 A (6F07012-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
W 11 B (6F07012-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	
W 11 C (6F07012-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/09/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	
W 11 D (6F07012-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-120		"	"	"	"	

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Page 4 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Reported:
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 12 A (6F07012-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.5 %	80-120		"	"	"	"	
W 12 B (6F07012-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.5 %	80-120		"	"	"	"	
W 12 C (6F07012-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0249]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0913	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0232]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
W 12 D (6F07012-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0403	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-120		"	"	"	"	

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Page 5 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 13 A (6F07012-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.2 %	80-120		"	"	"	"	
W 13 B (6F07012-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.5 %	80-120		"	"	"	"	
W 13 C (6F07012-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60926	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-120		"	"	"	"	
W 13 D (6F07012-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.5 %	80-120		"	"	"	"	

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Page 6 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 14 A (6F07012-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0443	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.132	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0280	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.2 %	80-120		"	"	"	"	
W 14 B (6F07012-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/10/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.5 %	80-120		"	"	"	"	
W 14 C (6F07012-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0327	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
W 14 D (6F07012-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.5 %	80-120		"	"	"	"	

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Page 7 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 15 A (6F07012-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		85.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
W 15 B (6F07012-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/12/06	EPA 8021B	
Toluene	J [0.0123]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.164	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.441	0.0250	"	"	"	"	"	"	
Xylene (o)	0.122	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
W 15 C (6F07012-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		81.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
W 15 D (6F07012-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		82.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.5 %	80-120		"	"	"	"	

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Page 8 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 16 A (6F07012-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	
W 16 B (6F07012-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.2 %	80-120		"	"	"	"	
W 16 C (6F07012-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	80-120		"	"	"	"	
W 16 D (6F07012-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		"	"	"	"	

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Page 9 of 28

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Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 17 A (6F07012-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	80-120		"	"	"	"	
W 17 B (6F07012-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
W 17 C (6F07012-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	
W 17 D (6F07012-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.5 %	80-120		"	"	"	"	

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Page 10 of 28

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Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 18 A (6F07012-33) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
W 18 B (6F07012-34) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-120		"	"	"	"	
W 18 C (6F07012-35) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60927	06/09/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-120		"	"	"	"	
W 18 D (6F07012-36) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	

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Page 11 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 pt. Comp. W10 (6F07012-37) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.8 %	70-130		"	"	"	"	
4 pt. Comp. W11 (6F07012-38) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	J [8.18]	10.0	"	"	"	"	"	"	J
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.8 %	70-130		"	"	"	"	
4 pt. Comp. W12 (6F07012-39) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.8 %	70-130		"	"	"	"	
4 pt. Comp. W13 (6F07012-40) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		97.4 %	70-130		"	"	"	"	

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Page 12 of 28

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 pt. Comp. W14 (6F07012-41) Soil									
Carbon Ranges C6-C12	J [8.63]	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	J
Carbon Ranges C12-C28	166	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	16.4	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	182	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.2 %	70-130		"	"	"	"	
4 pt. Comp. W15 (6F07012-42) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	21.3	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	21.3	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		92.8 %	70-130		"	"	"	"	
4 pt. Comp. W16 (6F07012-43) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	110	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	25.4	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	135	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		89.2 %	70-130		"	"	"	"	
4 pt. Comp. W17 (6F07012-44) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.0 %	70-130		"	"	"	"	

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Page 13 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 pt. Comp. W18 (6F07012-45) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60808	06/08/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.0 %	70-130		"	"	"	"	

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 10 A (6F07012-01) Soil									
% Moisture	10.6	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 10 B (6F07012-02) Soil									
% Moisture	10.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 10 C (6F07012-03) Soil									
% Moisture	3.6	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 10 D (6F07012-04) Soil									
% Moisture	8.2	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 11 A (6F07012-05) Soil									
% Moisture	3.0	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 11 B (6F07012-06) Soil									
% Moisture	4.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 11 C (6F07012-07) Soil									
% Moisture	1.4	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 11 D (6F07012-08) Soil									
% Moisture	1.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 12 A (6F07012-09) Soil									
% Moisture	1.4	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 12 B (6F07012-10) Soil									
% Moisture	1.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 12 C (6F07012-11) Soil									
% Moisture	1.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	

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Page 15 of 28

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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06/13/06 17:57

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 12 D (6F07012-12) Soil									
% Moisture	28.2	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 13 A (6F07012-13) Soil									
% Moisture	3.0	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 13 B (6F07012-14) Soil									
% Moisture	4.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 13 C (6F07012-15) Soil									
% Moisture	0.6	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 13 D (6F07012-16) Soil									
% Moisture	1.0	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 14 A (6F07012-17) Soil									
% Moisture	1.4	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 14 B (6F07012-18) Soil									
% Moisture	19.9	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 14 C (6F07012-19) Soil									
% Moisture	1.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 14 D (6F07012-20) Soil									
% Moisture	1.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 15 A (6F07012-21) Soil									
% Moisture	0.5	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 15 B (6F07012-22) Soil									
% Moisture	0.5	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	

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Page 16 of 28

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Project: Maralo
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Project Manager: Logan Anderson

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06/13/06 17:57

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 15 C (6F07012-23) Soil									
% Moisture	1.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 15 D (6F07012-24) Soil									
% Moisture	1.4	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 16 A (6F07012-25) Soil									
% Moisture	1.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 16 B (6F07012-26) Soil									
% Moisture	3.4	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 16 C (6F07012-27) Soil									
% Moisture	1.8	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 16 D (6F07012-28) Soil									
% Moisture	8.2	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 17 A (6F07012-29) Soil									
% Moisture	10.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 17 B (6F07012-30) Soil									
% Moisture	1.2	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 17 C (6F07012-31) Soil									
% Moisture	0.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 17 D (6F07012-32) Soil									
% Moisture	0.9	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 18 A (6F07012-33) Soil									
% Moisture	4.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	

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Page 17 of 28

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Project: Maralo
Project Number: None Given
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06/13/06 17:57

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W 18 B (6F07012-34) Soil									
% Moisture	14.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 18 C (6F07012-35) Soil									
% Moisture	13.8	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
W 18 D (6F07012-36) Soil									
% Moisture	4.2	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
4 pt. Comp. W10 (6F07012-37) Soil									
Chloride	34.5	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W11 (6F07012-38) Soil									
Chloride	13.8	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.8	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W12 (6F07012-39) Soil									
Chloride	12.3	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W13 (6F07012-40) Soil									
Chloride	14.8	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W14 (6F07012-41) Soil									
Chloride	17.7	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.6	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	938	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	

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Page 18 of 28

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 pt. Comp. W15 (6F07012-42) Soil									
Chloride	28.3	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	68.5	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W16 (6F07012-43) Soil									
Chloride	12.6	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.3	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	316	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W17 (6F07012-44) Soil									
Chloride	14.6	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	35.0	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
4 pt. Comp. W18 (6F07012-45) Soil									
Chloride	12.5	5.00	mg/kg	10	EF61001	06/09/06	06/09/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF60903	06/08/06	06/09/06	% calculation	
TPH 418.1	48.0	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	

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Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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 EF60808 - Solvent Extraction (GC)										
Blank (EF60808-BLK1)		Prepared: 06/08/06 Analyzed: 06/09/06								
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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	59.6		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	64.3		"	50.0		129	70-130			
LCS (EF60808-BS1)		Prepared: 06/08/06 Analyzed: 06/09/06								
Carbon Ranges C6-C12	598	10.0	mg/kg wet	500		120	75-125			
Carbon Ranges C12-C28	557	10.0	"	500		111	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1160	10.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	79.3		mg/kg	100		79.3	70-130			
Surrogate: 1-Chlorooctadecane	82.6		"	100		82.6	70-130			
Calibration Check (EF60808-CCV1)		Prepared: 06/08/06 Analyzed: 06/09/06								
Carbon Ranges C6-C12	257		mg/kg	250		103	80-120			
Carbon Ranges C12-C28	293		"	250		117	80-120			
Total Hydrocarbon nC6-nC35	550		"	500		110	80-120			
Surrogate: 1-Chlorooctane	72.5		"	100		72.5	70-130			
Surrogate: 1-Chlorooctadecane	88.3		"	100		88.3	70-130			
Matrix Spike (EF60808-MS1)		Source: 6F07014-01	Prepared: 06/08/06 Analyzed: 06/09/06							
Carbon Ranges C6-C12	557	10.0	mg/kg dry	530	ND	105	75-125			
Carbon Ranges C12-C28	569	10.0	"	530	ND	107	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1130	10.0	"	1060	ND	107	75-125			
Surrogate: 1-Chlorooctane	63.0		mg/kg	50.0		126	70-130			
Surrogate: 1-Chlorooctadecane	62.9		"	50.0		126	70-130			

Environmental Lab of Texas

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Page 20 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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 EF60808 - Solvent Extraction (GC)

Matrix Spike Dup (EF60808-MSD1)		Source: 6F07014-01		Prepared: 06/08/06		Analyzed: 06/09/06				
Carbon Ranges C6-C12	553	10.0	mg/kg dry	530	ND	104	75-125	0.721	20	
Carbon Ranges C12-C28	568	10.0	"	530	ND	107	75-125	0.176	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1120	10.0	"	1060	ND	106	75-125	0.889	20	
Surrogate: 1-Chlorooctane	61.9		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	64.5		"	50.0		129	70-130			

Batch EF60926 - EPA 5030C (GC)

Blank (EF60926-BLK1)		Prepared & Analyzed: 06/09/06								
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	37.9		ug/kg	40.0		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	32.2		"	40.0		80.5	80-120			

LCS (EF60926-BS1)		Prepared & Analyzed: 06/09/06								
Benzene	1.17	0.0250	mg/kg wet	1.25		93.6	80-120			
Toluene	1.22	0.0250	"	1.25		97.6	80-120			
Ethylbenzene	1.13	0.0250	"	1.25		90.4	80-120			
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120			
Xylene (o)	1.30	0.0250	"	1.25		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.3		ug/kg	40.0		88.2	80-120			
Surrogate: 4-Bromofluorobenzene	38.2		"	40.0		95.5	80-120			

Environmental Lab of Texas

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Page 21 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF60926 - EPA 5030C (GC)

Calibration Check (EF60926-CCV1)

Prepared: 06/09/06 Analyzed: 06/10/06

Benzene	48.3		ug/kg	50.0		96.6	80-120		
Toluene	50.4		"	50.0		101	80-120		
Ethylbenzene	55.3		"	50.0		111	80-120		
Xylene (p/m)	99.5		"	100		99.5	80-120		
Xylene (o)	53.1		"	50.0		106	80-120		
Surrogate: a,a,a-Trifluorotoluene	36.3		"	40.0		90.8	80-120		
Surrogate: 4-Bromofluorobenzene	38.1		"	40.0		95.2	80-120		

Matrix Spike (EF60926-MS1)

Source: 6F06023-01

Prepared: 06/09/06 Analyzed: 06/10/06

Benzene	1.34	0.0250	mg/kg dry	1.36	ND	98.5	80-120		
Toluene	1.29	0.0250	"	1.36	ND	94.9	80-120		
Ethylbenzene	1.20	0.0250	"	1.36	ND	88.2	80-120		
Xylene (p/m)	2.65	0.0250	"	2.71	ND	97.8	80-120		
Xylene (o)	1.40	0.0250	"	1.36	ND	103	80-120		
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/kg	40.0		96.0	80-120		
Surrogate: 4-Bromofluorobenzene	40.8		"	40.0		102	80-120		

Matrix Spike Dup (EF60926-MSD1)

Source: 6F06023-01

Prepared: 06/09/06 Analyzed: 06/10/06

Benzene	1.30	0.0250	mg/kg dry	1.36	ND	95.6	80-120	2.99	20
Toluene	1.26	0.0250	"	1.36	ND	92.6	80-120	2.45	20
Ethylbenzene	1.16	0.0250	"	1.36	ND	85.3	80-120	3.34	20
Xylene (p/m)	2.61	0.0250	"	2.71	ND	96.3	80-120	1.55	20
Xylene (o)	1.37	0.0250	"	1.36	ND	101	80-120	1.96	20
Surrogate: a,a,a-Trifluorotoluene	34.8		ug/kg	40.0		87.0	80-120		
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	80-120		

Batch EF60927 - EPA 5030C (GC)

Blank (EF60927-BLK1)

Prepared: 06/09/06 Analyzed: 06/10/06

Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	39.1		ug/kg	40.0		97.8	80-120		
Surrogate: 4-Bromofluorobenzene	34.9		"	40.0		87.2	80-120		

Environmental Lab of Texas

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Page 22 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF60927 - EPA 5030C (GC)

LCS (EF60927-BS1)

Prepared: 06/09/06 Analyzed: 06/10/06

Benzene	1.17	0.0250	mg/kg wet	1.25		93.6	80-120		
Toluene	1.21	0.0250	"	1.25		96.8	80-120		
Ethylbenzene	1.05	0.0250	"	1.25		84.0	80-120		
Xylene (p/m)	2.42	0.0250	"	2.50		96.8	80-120		
Xylene (o)	1.27	0.0250	"	1.25		102	80-120		
Surrogate: a,a,a-Trifluorotoluene	36.7		ug/kg	40.0		91.8	80-120		
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97.5	80-120		

Calibration Check (EF60927-CCV1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	47.4		ug/kg	50.0		94.8	80-120		
Toluene	47.2		"	50.0		94.4	80-120		
Ethylbenzene	51.9		"	50.0		104	80-120		
Xylene (p/m)	93.1		"	100		93.1	80-120		
Xylene (o)	48.4		"	50.0		96.8	80-120		
Surrogate: a,a,a-Trifluorotoluene	38.8		"	40.0		97.0	80-120		
Surrogate: 4-Bromofluorobenzene	36.3		"	40.0		90.8	80-120		

Matrix Spike (EF60927-MS1)

Source: 6F07012-16

Prepared: 06/09/06 Analyzed: 06/12/06

Benzene	1.15	0.0250	mg/kg dry	1.26	ND	91.3	80-120		
Toluene	1.20	0.0250	"	1.26	ND	95.2	80-120		
Ethylbenzene	1.07	0.0250	"	1.26	ND	84.9	80-120		
Xylene (p/m)	2.41	0.0250	"	2.53	ND	95.3	80-120		
Xylene (o)	1.26	0.0250	"	1.26	ND	100	80-120		
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/kg	40.0		99.5	80-120		
Surrogate: 4-Bromofluorobenzene	34.9		"	40.0		87.2	80-120		

Matrix Spike Dup (EF60927-MSD1)

Source: 6F07012-16

Prepared: 06/09/06 Analyzed: 06/12/06

Benzene	1.11	0.0250	mg/kg dry	1.26	ND	88.1	80-120	3.57	20
Toluene	1.05	0.0250	"	1.26	ND	83.3	80-120	13.3	20
Ethylbenzene	1.29	0.0250	"	1.26	ND	102	80-120	18.3	20
Xylene (p/m)	2.20	0.0250	"	2.53	ND	87.0	80-120	9.11	20
Xylene (o)	1.17	0.0250	"	1.26	ND	92.9	80-120	7.36	20
Surrogate: a,a,a-Trifluorotoluene	33.9		ug/kg	40.0		84.8	80-120		
Surrogate: 4-Bromofluorobenzene	37.2		"	40.0		93.0	80-120		

Environmental Lab of Texas

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Page 23 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF60928 - EPA 5030C (GC)

Blank (EF60928-BLK1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	39.0		ug/kg	40.0		97.5	80-120		
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.3	80-120		

LCS (EF60928-BS1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.24	0.0250	mg/kg wet	1.25		99.2	80-120		
Toluene	1.25	0.0250	"	1.25		100	80-120		
Ethylbenzene	1.42	0.0250	"	1.25		114	80-120		
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120		
Xylene (o)	1.28	0.0250	"	1.25		102	80-120		
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/kg	40.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	39.2		"	40.0		98.0	80-120		

Calibration Check (EF60928-CCV1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	48.7		ug/kg	50.0		97.4	80-120		
Toluene	50.7		"	50.0		101	80-120		
Ethylbenzene	48.2		"	50.0		96.4	80-120		
Xylene (p/m)	98.7		"	100		98.7	80-120		
Xylene (o)	53.3		"	50.0		107	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.9		"	40.0		110	80-120		
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120		

Matrix Spike (EF60928-MS1)

Source: 6F08014-09

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.38	0.0250	mg/kg dry	1.44	ND	95.8	80-120		
Toluene	1.36	0.0250	"	1.44	ND	94.4	80-120		
Ethylbenzene	1.35	0.0250	"	1.44	ND	93.8	80-120		
Xylene (p/m)	2.66	0.0250	"	2.88	ND	92.4	80-120		
Xylene (o)	1.42	0.0250	"	1.44	ND	98.6	80-120		
Surrogate: a,a,a-Trifluorotoluene	38.9		ug/kg	40.0		97.2	80-120		
Surrogate: 4-Bromofluorobenzene	33.2		"	40.0		83.0	80-120		

Environmental Lab of Texas

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Page 24 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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 EF60928 - EPA 5030C (GC)										
Matrix Spike Dup (EF60928-MSD1)		Source: 6F08014-09		Prepared: 06/09/06 Analyzed: 06/11/06						
Benzene	1.31	0.0250	mg/kg dry	1.44	ND	91.0	80-120	5.14	20	
Toluene	1.25	0.0250	"	1.44	ND	86.8	80-120	8.39	20	
Ethylbenzene	1.21	0.0250	"	1.44	ND	84.0	80-120	11.0	20	
Xylene (p/m)	2.49	0.0250	"	2.88	ND	86.5	80-120	6.60	20	
Xylene (o)	1.36	0.0250	"	1.44	ND	94.4	80-120	4.35	20	
Surrogate: a,a,a-Trifluorotoluene	36.5		ug/kg	40.0		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	33.6		"	40.0		84.0	80-120			

Environmental Lab of Texas

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Page 25 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF60903 - General Preparation (Prep)									
Blank (EF60903-BLK1)		Prepared: 06/08/06 Analyzed: 06/09/06							
% Moisture	ND	0.1	%						
Duplicate (EF60903-DUP1)		Source: 6F07014-01		Prepared: 06/08/06 Analyzed: 06/09/06					
% Solids	93.9		%		94.3		0.425	20	
Duplicate (EF60903-DUP2)		Source: 6F07012-06		Prepared: 06/08/06 Analyzed: 06/09/06					
% Solids	94.6		%		95.3		0.737	20	
Duplicate (EF60903-DUP3)		Source: 6F07012-26		Prepared: 06/08/06 Analyzed: 06/09/06					
% Solids	96.7		%		96.6		0.103	20	
Duplicate (EF60903-DUP4)		Source: 6F08005-01		Prepared: 06/08/06 Analyzed: 06/09/06					
% Solids	87.4		%		90.2		3.15	20	
Batch EF60913 - 418.1									
Blank (EF60913-BLK1)		Prepared & Analyzed: 06/09/06							
TPH 418.1	ND	10.0	mg/kg wet						
Calibration Check (EF60913-CCV1)		Prepared & Analyzed: 06/09/06							
TPH 418.1	5320		mg/kg	4990		107	80-120		
Matrix Spike (EF60913-MS1)		Source: 6F07012-37		Prepared & Analyzed: 06/09/06					
TPH 418.1	2300	10.0	mg/kg dry	2510	ND	91.6	80-120		
Matrix Spike Dup (EF60913-MSD1)		Source: 6F07012-37		Prepared & Analyzed: 06/09/06					
TPH 418.1	2280	10.0	mg/kg dry	2510	ND	90.8	80-120	0.873	20

Environmental Lab of Texas

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Page 26 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

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 EF61001 - Water Extraction										
Blank (EF61001-BLK1)				Prepared & Analyzed: 06/09/06						
Chloride	ND	0.500	mg/kg							
LCS (EF61001-BS1)				Prepared & Analyzed: 06/09/06						
Chloride	9.74	0.500	mg/kg	10.0		97.4	80-120			
Calibration Check (EF61001-CCV1)				Prepared & Analyzed: 06/09/06						
Chloride	9.88		mg/L	10.0		98.8	80-120			
Duplicate (EF61001-DUP1)				Source: 6F07010-01		Prepared & Analyzed: 06/09/06				
Chloride	39200	500	mg/kg		37000			5.77	20	
Duplicate (EF61001-DUP2)				Source: 6F08013-01		Prepared & Analyzed: 06/09/06				
Chloride	931	50.0	mg/kg		931			0.00	20	
Matrix Spike (EF61001-MS1)				Source: 6F07010-01		Prepared & Analyzed: 06/09/06				
Chloride	47900	500	mg/kg	10000	37000	109	80-120			
Matrix Spike (EF61001-MS2)				Source: 6F08013-01		Prepared & Analyzed: 06/09/06				
Chloride	2020	50.0	mg/kg	1000	931	109	80-120			

Environmental Lab of Texas

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Page 27 of 28

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Reported:
06/13/06 17:57

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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:

6/13/2006

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.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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Page 28 of 28

WILLIAMS LAW V.I.E.A.D.S.
 12600 West I-20 East
 Odessa, Texas 79765
 Phone: 432-563-1800
 Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Odessa, Texas 79765
Fax: 432-563-1713

Project Manager: Loren Anderson

Company Name Elko Environmental

Company Address: PO Box 14167

City/State/Zip: Odessa, TX 79768

Telephone No: 366-0043

Sampler Signature: 

Email:

Project Name: Mera 60

Project #:

Project Loc: _____

PO#:

[illegible]

Special Instructions:

Requisitioned by:

Received by:

Date _____ Time _____

Relinquished by:

Received by ELQ.T:

Date _____ Time _____

Sample Containers Intact?

Labels on container?

Custody-Seals: Containers Cooler

Temperature Upon Receipt:

Laboratory Comments:

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Logan Anderson
Company Name: Eike Environmental
Company Address: PO Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 366-0043
Project Name: Marabo
Project #:
Project Loc: Humble State #3
PO #:

Project Signature: [Signature]
Email:
Fax No:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix										Analyze For:										RUSH TAT (Pre-Schedule)
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sediment	Soil	Other (Specify)	TPH, 418, 1801SM 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As, Ag, Ba, Cd, Cr, Pb, Hg, Se	Volatiles	Semivolatiles	MTX 80715/5030 or BTEX 8260	RI	M.O.R.M.											
-21	W15A	6-7-06	9:05A	1	X								X									X			X										X
-22	W15B	6-7-06	9:10A	1	X								X									X			X										X
-23	W15C	6-7-06	9:15A	1	X								X									X			X										X
-24	W15D	6-7-06	9:20A	1	X								X									X			X										X
-25	W16A	6-7-06	9:30A	1	X								X									X			X										X
-26	W16B	6-7-06	9:35A	1	X								X									X			X										X
-27	W16C	6-7-06	9:40A	1	X								X									X			X										X
-28	W16D	6-7-06	9:45A	1	X								X									X			X										X
-29	W17A	6-7-06	9:55A	1	X								X									X			X										X
-30	W17B	6-7-06	10:00A	1	X								X									X			X										X

Special Instructions:

Sample Containers intact? Y
Labels on container? Y
Custody Seals: Containers Sealed
Temperature Upon Receipt: 1.0°C

Laboratory Comments:

Relinquished by: <u>[Signature]</u>	Date: <u>6-7-06</u>	Time: <u>5:00P</u>	Received by: <u>[Signature]</u>	Date: <u>06-07-06</u>	Time: <u>1700</u>
Relinquished by: <u></u>	Date: <u></u>	Time: <u></u>	Received by: <u>Jane m...</u>	Date: <u></u>	Time: <u></u>

LABORATORY LOG VI 10405
 12600 West I-20 East
 Odessa, Texas 79766

Phone: 432-563-1800
 Fax: 432-563-1713

pg 5015

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Logan Anderson
 Project Name: Mar 10
 Company Name: Elke Environmental
 Project #:
 Company Address: PO Box 14167
 Project Loc: Hempstead #3
 City/State/Zip: Odessa, TX 79768
 PO #:
 Telephone No: 366-0043
 Fax No:
 Sampler Signature: [Signature]
 Email:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix										Analyze For:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify):	TPH (418, 8015M) 1005 1006	Coliforms (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Scintillates	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
FO 1012	4pt. Comp. W10	6-7-06	7:20A	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Special Instructions:
 TPH 8015M & TPH 418.1 & Chloride

Relinquished by: [Signature] Date: 6-7-06 Time: 5:00P
 Relinquished by: James Murray Date: 06-07-06 Time: 1700

Received by: Date: Time:
 Received by ELOT: Date: Time:

Sample Containers: Labels on container?
 Custody Seals: Contained:
 Temperature Upon Receipt: 10°C

Laboratory Comments:

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Elke Environmental

Date/Time: 06-07-06 @ 1700

Order #: 6F07012

Initials: JMM

Sample Receipt Checklist

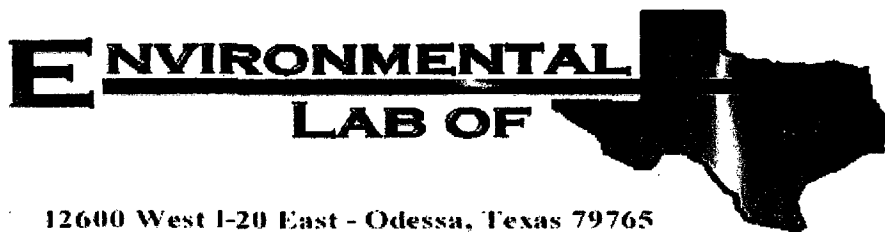
Temperature of container/cooler?	☒ Yes	☐ No	I, O	C
Shipping container/cooler in good condition?	☒ Yes	☐ No		
Custody Seals intact on shipping container/cooler?	☒ Yes	☐ No	Not present	
Custody Seals intact on sample bottles?	☒ Yes	☐ No	Not present	
Chain of custody present?	☒ Yes	☐ No		
Sample Instructions 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:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F09002

Report Date: 06/16/06

2006 JUN 14 PM 1 05

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5A	6F09002-01	Soil	06/08/06 08:15	06/08/06 17:45
B5B	6F09002-02	Soil	06/08/06 08:20	06/08/06 17:45
B5C	6F09002-03	Soil	06/08/06 08:25	06/08/06 17:45
B5D	6F09002-04	Soil	06/08/06 08:30	06/08/06 17:45
B5E	6F09002-05	Soil	06/08/06 08:35	06/08/06 17:45
B6A	6F09002-06	Soil	06/08/06 08:40	06/08/06 17:45
B6B	6F09002-07	Soil	06/08/06 08:45	06/08/06 17:45
B6C	6F09002-08	Soil	06/08/06 08:50	06/08/06 17:45
B6D	6F09002-09	Soil	06/08/06 08:55	06/08/06 17:45
B6E	6F09002-10	Soil	06/08/06 09:00	06/08/06 17:45
B7A	6F09002-11	Soil	06/08/06 09:05	06/08/06 17:45
B7B	6F09002-12	Soil	06/08/06 09:10	06/08/06 17:45
B7C	6F09002-13	Soil	06/08/06 09:15	06/08/06 17:45
B7D	6F09002-14	Soil	06/08/06 09:20	06/08/06 17:45
B7E	6F09002-15	Soil	06/08/06 09:25	06/08/06 17:45
B8A	6F09002-16	Soil	06/08/06 09:30	06/08/06 17:45
B8B	6F09002-17	Soil	06/08/06 09:35	06/08/06 17:45
B8C	6F09002-18	Soil	06/08/06 09:40	06/08/06 17:45
B8D	6F09002-19	Soil	06/08/06 09:45	06/08/06 17:45
B8E	6F09002-20	Soil	06/08/06 09:50	06/08/06 17:45
B9A	6F09002-21	Soil	06/08/06 09:55	06/08/06 17:45
B9B	6F09002-22	Soil	06/08/06 10:00	06/08/06 17:45
B9C	6F09002-23	Soil	06/08/06 10:05	06/08/06 17:45
B9D	6F09002-24	Soil	06/08/06 10:10	06/08/06 17:45
B9E	6F09002-25	Soil	06/08/06 10:15	06/08/06 17:45
B10A	6F09002-26	Soil	06/08/06 10:20	06/08/06 17:45
B10B	6F09002-27	Soil	06/08/06 10:25	06/08/06 17:45
B10C	6F09002-28	Soil	06/08/06 10:30	06/08/06 17:45
B10D	6F09002-29	Soil	06/08/06 10:35	06/08/06 17:45
B10E	6F09002-30	Soil	06/08/06 10:40	06/08/06 17:45
B11A	6F09002-31	Soil	06/08/06 10:45	06/08/06 17:45
B11B	6F09002-32	Soil	06/08/06 10:50	06/08/06 17:45
B11C	6F09002-33	Soil	06/08/06 10:55	06/08/06 17:45
B11D	6F09002-34	Soil	06/08/06 11:00	06/08/06 17:45

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B11E	6F09002-35	Soil	06/08/06 11:05	06/08/06 17:45
B12A	6F09002-36	Soil	06/08/06 11:10	06/08/06 17:45
B12B	6F09002-37	Soil	06/08/06 11:15	06/08/06 17:45
B12C	6F09002-38	Soil	06/08/06 11:20	06/08/06 17:45
B12D	6F09002-39	Soil	06/08/06 11:25	06/08/06 17:45
B12E	6F09002-40	Soil	06/08/06 11:30	06/08/06 17:45

Environmental Lab of Texas

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.

Page 2 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5A (6F09002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	2030	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	363	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	2390	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		98.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		105 %	70-130		"	"	"	"	
B5B (6F09002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60928	06/09/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	209	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	26.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	235	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.8 %	70-130		"	"	"	"	
B5C (6F09002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	

Environmental Lab of Texas

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Page 3 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5C (6F09002-03) Soil									
Carbon Ranges C12-C28	63.4	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	63.4	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.0 %	70-130		"	"	"	"	
B5D (6F09002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	40.1	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	40.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.0 %	70-130		"	"	"	"	
B5E (6F09002-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		96.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		93.6 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 4 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6A (6F09002-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		101 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.2 %	70-130		"	"	"	"	
B6B (6F09002-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.6 %	70-130		"	"	"	"	
B6C (6F09002-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	31.3	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	

Environmental Lab of Texas

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.

Page 5 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6C (6F09002-08) Soil									
Carbon Ranges C12-C28	4460	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C28-C35	790	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	5280	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		109 %	70-130		"	"	"	"	
B6D (6F09002-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	218	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [9.40]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	218	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		96.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.8 %	70-130		"	"	"	"	
B6E (6F09002-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	J [8.69]	10.0	"	"	"	"	"	"	J
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.6 %	70-130		"	"	"	"	

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Page 6 of 38

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B7A (6F09002-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	23.4	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	878	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	99.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1000	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		96.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.8 %	70-130		"	"	"	"	
B7B (6F09002-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	17.3	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	17.3	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.6 %	70-130		"	"	"	"	
B7C (6F09002-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	52.8	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	

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Page 7 of 38

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B7C (6F09002-13) Soil									
Carbon Ranges C12-C28	876	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C28-C35	79.5	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1010	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		93.6 %	70-130		"	"	"	"	
B7D (6F09002-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	103	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	2210	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	288	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	2600	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-130		"	"	"	"	
B7E (6F09002-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	12.9	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	653	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	71.5	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	737	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.8 %	70-130		"	"	"	"	

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Page 8 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B8A (6F09002-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	250	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	12.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	263	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.0 %	70-130		"	"	"	"	
B8B (6F09002-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	34.6	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	4590	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	759	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	5380	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.4 %	70-130		"	"	"	"	
B8C (6F09002-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	

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Page 9 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B8C (6F09002-18) Soil									
Carbon Ranges C12-C28	90.1	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	90.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.2 %	70-130		"	"	"	"	
B8D (6F09002-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60929	06/09/06	06/14/06	EPA 8015M	
Carbon Ranges C12-C28	260	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	64.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	324	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		100 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.8 %	70-130		"	"	"	"	
B8E (6F09002-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	0.0270	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0393	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0912	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0455	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	564	50.0	mg/kg dry	5	EF60930	06/09/06	06/12/06	EPA 8015M	
Carbon Ranges C12-C28	17000	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	2770	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	20300	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		14.5 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		17.8 %	70-130		"	"	"	"	S-06

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Page 10 of 38

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Project: Maralo
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Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B9A (6F09002-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/12/06	EPA 8015M	
Carbon Ranges C12-C28	23.8	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	23.8	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		72.2 %	70-130		"	"	"	"	
B9B (6F09002-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61209	06/11/06	06/12/06	EPA 8021B	
Toluene	0.0788	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.191	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.689	0.0250	"	"	"	"	"	"	
Xylene (o)	0.265	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		140 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	920	10.0	mg/kg dry	1	EF60930	06/09/06	06/09/06	EPA 8015M	
Carbon Ranges C12-C28	9590	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1230	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	11700	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.6 %	70-130		"	"	"	"	
B9C (6F09002-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	215	10.0	mg/kg dry	1	EF60930	06/09/06	06/09/06	EPA 8015M	

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Page 11 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B9C (6F09002-23) Soil									
Carbon Ranges C12-C28	5540	10.0	mg/kg dry	1	EF60930	06/09/06	06/09/06	EPA 8015M	
Carbon Ranges C28-C35	1020	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	6780	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.2 %	70-130		"	"	"	"	
B9D (6F09002-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/12/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		71.4 %	70-130		"	"	"	"	
B9E (6F09002-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	0.0595	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.172	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.347	0.0250	"	"	"	"	"	"	
Xylene (o)	0.215	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	620	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	4370	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	505	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	5500	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		73.6 %	70-130		"	"	"	"	

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Page 12 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10A (6F09002-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/12/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		72.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.4 %	70-130		"	"	"	"	
B10B (6F09002-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.4 %	70-130		"	"	"	"	
B10C (6F09002-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	

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Page 13 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10C (6F09002-28) Soil									
Carbon Ranges C12-C28	55.3	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C28-C35	J [6.72]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	55.3	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.4 %	70-130		"	"	"	"	
B10D (6F09002-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		80.2 %	70-130		"	"	"	"	
B10E (6F09002-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		85.6 %	70-130		"	"	"	"	

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Page 14 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11A (6F09002-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.0 %	70-130		"	"	"	"	
B11B (6F09002-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	35.7	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	634	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	87.7	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	757	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		76.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		76.4 %	70-130		"	"	"	"	
B11C (6F09002-33) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [7.11]	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	J

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Page 15 of 38

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11C (6F09002-33) Soil									
Carbon Ranges C12-C28	95.7	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	95.7	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.2 %	70-130		"	"	"	"	
B11D (6F09002-34) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.2 %	70-130		"	"	"	"	
B11E (6F09002-35) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	J [0.0110]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0668	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.121	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0774	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	307	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	3930	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	660	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	4900	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		79.0 %	70-130		"	"	"	"	

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Page 16 of 38

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Project: Maralo
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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12A (6F09002-36) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	344	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	87.9	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	432	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.2 %	70-130		"	"	"	"	
B12B (6F09002-37) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.0 %	70-130		"	"	"	"	
B12C (6F09002-38) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61210	06/12/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	

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Page 17 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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**Organics by GC
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12C (6F09002-38) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		82.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.0 %	70-130		"	"	"	"	
B12D (6F09002-39) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61305	06/13/06	06/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60930	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.6 %	70-130		"	"	"	"	
B12E (6F09002-40) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61305	06/13/06	06/14/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF60931	06/09/06	06/10/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		74.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.0 %	70-130		"	"	"	"	

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Page 18 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5A (6F09002-01) Soil									
Chloride	15.2	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	5790	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B5B (6F09002-02) Soil									
Chloride	12.9	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	603	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B5C (6F09002-03) Soil									
Chloride	113	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	7.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	378	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B5D (6F09002-04) Soil									
Chloride	37.8	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	2.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	83.3	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B5E (6F09002-05) Soil									
Chloride	14.2	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	7.6	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	66.6	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B6A (6F09002-06) Soil									
Chloride	532	10.0	mg/kg	20	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	3.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	67.4	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	
B6B (6F09002-07) Soil									
Chloride	16.1	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	28.0	10.0	mg/kg dry	10	EF60913	06/09/06	06/09/06	EPA 418.1	

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Page 19 of 38

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6C (6F09002-08) Soil									
Chloride	16.7	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	2.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	15900	100	mg/kg dry	100	EF60913	06/09/06	06/09/06	EPA 418.1	
B6D (6F09002-09) Soil									
Chloride	16.0	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	652	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B6E (6F09002-10) Soil									
Chloride	205	10.0	mg/kg	20	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	51.0	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B7A (6F09002-11) Soil									
Chloride	14.6	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	3.3	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	2380	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B7B (6F09002-12) Soil									
Chloride	11.7	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.7	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	78.7	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B7C (6F09002-13) Soil									
Chloride	13.7	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	3.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	1910	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B7D (6F09002-14) Soil									
Chloride	13.4	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	3.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	3490	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	

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Page 20 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B7E (6F09002-15) Soil									
Chloride	12.2	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	2.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	2060	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B8A (6F09002-16) Soil									
Chloride	22.3	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.4	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	3900	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B8B (6F09002-17) Soil									
Chloride	17.4	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	14600	50.0	mg/kg dry	50	EF60914	06/09/06	06/09/06	EPA 418.1	
B8C (6F09002-18) Soil									
Chloride	17.2	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	313	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B8D (6F09002-19) Soil									
Chloride	12.4	5.00	mg/kg	10	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	1710	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B8E (6F09002-20) Soil									
Chloride	28.1	10.0	mg/kg	20	EF61004	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	27800	100	mg/kg dry	100	EF60914	06/09/06	06/09/06	EPA 418.1	
B9A (6F09002-21) Soil									
Chloride	90.2	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	2.3	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	107	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	

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Page 21 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B9B (6F09002-22) Soil									
Chloride	12.0	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	4.9	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	23200	100	mg/kg dry	100	EF60914	06/09/06	06/09/06	EPA 418.1	
B9C (6F09002-23) Soil									
Chloride	80.7	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	4.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	10800	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B9D (6F09002-24) Soil									
Chloride	14.8	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.7	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	27.3	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B9E (6F09002-25) Soil									
Chloride	13.4	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	4.2	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	16000	50.0	mg/kg dry	50	EF60914	06/09/06	06/09/06	EPA 418.1	
B10A (6F09002-26) Soil									
Chloride	19.8	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	10.6	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	56.0	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B10B (6F09002-27) Soil									
Chloride	13.3	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	20.9	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	41.8	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	
B10C (6F09002-28) Soil									
Chloride	58.9	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.4	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	176	10.0	mg/kg dry	10	EF60914	06/09/06	06/09/06	EPA 418.1	

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Page 22 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10D (6F09002-29) Soil									
Chloride	12.2	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	1.3	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B10E (6F09002-30) Soil									
Chloride	12.4	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	53.7	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B11A (6F09002-31) Soil									
Chloride	20.0	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	8.2	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	14.6	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B11B (6F09002-32) Soil									
Chloride	20.7	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	10.7	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	2290	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B11C (6F09002-33) Soil									
Chloride	12.0	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	14.1	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	138	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B11D (6F09002-34) Soil									
Chloride	11.2	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	4.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	80.0	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B11E (6F09002-35) Soil									
Chloride	17.1	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	5.5	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	11500	50.0	mg/kg dry	50	EF60915	06/11/06	06/11/06	EPA 418.1	

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Page 23 of 38

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12A (6F09002-36) Soil									
Chloride	33.2	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	0.8	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	665	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B12B (6F09002-37) Soil									
Chloride	12.0	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	11.9	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	48.3	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B12C (6F09002-38) Soil									
Chloride	22.5	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	7.0	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	91.7	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B12D (6F09002-39) Soil									
Chloride	12.2	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	9.3	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	149	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	
B12E (6F09002-40) Soil									
Chloride	12.8	5.00	mg/kg	10	EF61005	06/10/06	06/10/06	EPA 300.0	
% Moisture	21.7	0.1	%	1	EF61101	06/10/06	06/11/06	% calculation	
TPH 418.1	222	10.0	mg/kg dry	10	EF60915	06/11/06	06/11/06	EPA 418.1	

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Page 24 of 38

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF60928 - EPA 5030C (GC)

Blank (EF60928-BLK1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	39.0		ug/kg	40.0		97.5	80-120		
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120		

LCS (EF60928-BS1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.24	0.0250	mg/kg wet	1.25		99.2	80-120		
Toluene	1.25	0.0250	"	1.25		100	80-120		
Ethylbenzene	1.42	0.0250	"	1.25		114	80-120		
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120		
Xylene (o)	1.28	0.0250	"	1.25		102	80-120		
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/kg	40.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	39.2		"	40.0		98.0	80-120		

Calibration Check (EF60928-CCV1)

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	48.7		ug/kg	50.0		97.4	80-120		
Toluene	50.7		"	50.0		101	80-120		
Ethylbenzene	48.2		"	50.0		96.4	80-120		
Xylene (p/m)	98.7		"	100		98.7	80-120		
Xylene (o)	53.3		"	50.0		107	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.9		"	40.0		110	80-120		
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120		

Matrix Spike (EF60928-MS1)

Source: 6F08014-09

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.38	0.0250	mg/kg dry	1.44	ND	95.8	80-120		
Toluene	1.36	0.0250	"	1.44	ND	94.4	80-120		
Ethylbenzene	1.35	0.0250	"	1.44	ND	93.8	80-120		
Xylene (p/m)	2.66	0.0250	"	2.88	ND	92.4	80-120		
Xylene (o)	1.42	0.0250	"	1.44	ND	98.6	80-120		
Surrogate: a,a,a-Trifluorotoluene	38.9		ug/kg	40.0		97.2	80-120		
Surrogate: 4-Bromofluorobenzene	33.2		"	40.0		83.0	80-120		

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Page 25 of 38

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P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60928 - EPA 5030C (GC)

Matrix Spike Dup (EF60928-MSD1)

Source: 6F08014-09

Prepared: 06/09/06 Analyzed: 06/11/06

Benzene	1.31	0.0250	mg/kg dry	1.44	ND	91.0	80-120	5.14	20	
Toluene	1.25	0.0250	"	1.44	ND	86.8	80-120	8.39	20	
Ethylbenzene	1.21	0.0250	"	1.44	ND	84.0	80-120	11.0	20	
Xylene (p/m)	2.49	0.0250	"	2.88	ND	86.5	80-120	6.60	20	
Xylene (o)	1.36	0.0250	"	1.44	ND	94.4	80-120	4.35	20	
Surrogate: a,a,a-Trifluorotoluene	36.5		ug/kg	40.0		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	33.6		"	40.0		84.0	80-120			

Batch EF60929 - Solvent Extraction (GC)

Blank (EF60929-BLK1)

Prepared: 06/09/06 Analyzed: 06/13/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0		93.0	70-130			
Surrogate: 1-Chlorooctadecane	46.7		"	50.0		93.4	70-130			

LCS (EF60929-BS1)

Prepared: 06/09/06 Analyzed: 06/13/06

Carbon Ranges C6-C12	426	10.0	mg/kg wet	500		85.2	75-125			
Carbon Ranges C12-C28	495	10.0	"	500		99.0	75-125			
Total Hydrocarbon nC6-nC35	921	10.0	"	1000		92.1	75-125			
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.6	70-130			
Surrogate: 1-Chlorooctadecane	42.8		"	50.0		85.6	70-130			

Calibration Check (EF60929-CCV1)

Prepared: 06/09/06 Analyzed: 06/14/06

Carbon Ranges C6-C12	273		mg/kg wet				80-120			
Carbon Ranges C12-C28	281		"				80-120			
Total Hydrocarbon nC6-nC35	554		"				80-120			
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	70-130			
Surrogate: 1-Chlorooctadecane	47.9		"	50.0		95.8	70-130			

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Page 26 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60929 - Solvent Extraction (GC)

Matrix Spike (EF60929-MS1)

Source: 6F09001-15

Prepared: 06/09/06 Analyzed: 06/13/06

Carbon Ranges C6-C12	645	10.0	mg/kg dry	640	ND	101	75-125			
Carbon Ranges C12-C28	631	10.0	"	640	ND	98.6	75-125			
Total Hydrocarbon nC6-nC35	1280	10.0	"	1280	ND	100	75-125			
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	70-130			
Surrogate: 1-Chlorooctadecane	41.3		"	50.0		82.6	70-130			

Matrix Spike Dup (EF60929-MSD1)

Source: 6F09001-15

Prepared: 06/09/06 Analyzed: 06/13/06

Carbon Ranges C6-C12	653	10.0	mg/kg dry	640	ND	102	75-125	1.23	20	
Carbon Ranges C12-C28	687	10.0	"	640	ND	107	75-125	8.50	20	
Total Hydrocarbon nC6-nC35	1340	10.0	"	1280	ND	105	75-125	4.58	20	
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	70-130			
Surrogate: 1-Chlorooctadecane	41.2		"	50.0		82.4	70-130			

Batch EF60930 - Solvent Extraction (GC)

Blank (EF60930-BLK1)

Prepared & Analyzed: 06/09/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	36.6		mg/kg	50.0		73.2	70-130			
Surrogate: 1-Chlorooctadecane	38.4		"	50.0		76.8	70-130			

LCS (EF60930-BS1)

Prepared & Analyzed: 06/09/06

Carbon Ranges C6-C12	526	10.0	mg/kg wet	500		105	75-125			
Carbon Ranges C12-C28	530	10.0	"	500		106	75-125			
Total Hydrocarbon nC6-nC35	1060	10.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	58.0		"	50.0		116	70-130			

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Page 27 of 38

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60930 - Solvent Extraction (GC)

Calibration Check (EF60930-CCV1)

Prepared: 06/09/06 Analyzed: 06/10/06

Carbon Ranges C6-C12	279		mg/kg	250		112	80-120			
Carbon Ranges C12-C28	291		"	250		116	80-120			
Total Hydrocarbon nC6-nC35	570		"	500		114	80-120			
Surrogate: 1-Chlorooctane	50.7		"	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	55.0		"	50.0		110	70-130			

Matrix Spike (EF60930-MS1)

Source: 6F09002-21

Prepared: 06/09/06 Analyzed: 06/10/06

Carbon Ranges C6-C12	514	10.0	mg/kg dry	512	ND	100	75-125			
Carbon Ranges C12-C28	557	10.0	"	512	23.8	104	75-125			
Total Hydrocarbon nC6-nC35	1070	10.0	"	1020	23.8	103	75-125			
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	50.9		"	50.0		102	70-130			

Matrix Spike Dup (EF60930-MSD1)

Source: 6F09002-21

Prepared: 06/09/06 Analyzed: 06/10/06

Carbon Ranges C6-C12	523	10.0	mg/kg dry	512	ND	102	75-125	1.74	20	
Carbon Ranges C12-C28	563	10.0	"	512	23.8	105	75-125	1.07	20	
Total Hydrocarbon nC6-nC35	1090	10.0	"	1020	23.8	105	75-125	1.85	20	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	51.2		"	50.0		102	70-130			

Batch EF60931 - Solvent Extraction (GC)

Blank (EF60931-BLK1)

Prepared: 06/09/06 Analyzed: 06/10/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	37.7		mg/kg	50.0		75.4	70-130			
Surrogate: 1-Chlorooctadecane	39.5		"	50.0		79.0	70-130			

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Page 28 of 38

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60931 - Solvent Extraction (GC)										
LCS (EF60931-BS1)										
					Prepared: 06/09/06 Analyzed: 06/10/06					
Carbon Ranges C6-C12	502	10.0	mg/kg wet	500		100	75-125			
Carbon Ranges C12-C28	538	10.0	"	500		108	75-125			
Total Hydrocarbon nC6-nC35	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	58.2		"	50.0		116	70-130			
Calibration Check (EF60931-CCV1)										
					Prepared: 06/09/06 Analyzed: 06/11/06					
Carbon Ranges C6-C12	269		mg/kg	250		108	80-120			
Carbon Ranges C12-C28	290		"	250		116	80-120			
Total Hydrocarbon nC6-nC35	559		"	500		112	80-120			
Surrogate: 1-Chlorooctane	51.4		"	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	54.3		"	50.0		109	70-130			
Matrix Spike (EF60931-MS1)										
			Source: 6F09002-40		Prepared: 06/09/06 Analyzed: 06/11/06					
Carbon Ranges C6-C12	670	10.0	mg/kg dry	639	ND	105	75-125			
Carbon Ranges C12-C28	691	10.0	"	639	ND	108	75-125			
Total Hydrocarbon nC6-nC35	1360	10.0	"	1280	ND	106	75-125			
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	70-130			
Surrogate: 1-Chlorooctadecane	42.8		"	50.0		85.6	70-130			
Matrix Spike Dup (EF60931-MSD1)										
			Source: 6F09002-40		Prepared: 06/09/06 Analyzed: 06/11/06					
Carbon Ranges C6-C12	668	10.0	mg/kg dry	639	ND	105	75-125	0.299	20	
Carbon Ranges C12-C28	697	10.0	"	639	ND	109	75-125	0.865	20	
Total Hydrocarbon nC6-nC35	1360	10.0	"	1280	ND	106	75-125	0.00	20	
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	70-130			
Surrogate: 1-Chlorooctadecane	43.6		"	50.0		87.2	70-130			

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Page 29 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61209 - EPA 5030C (GC)

Blank (EF61209-BLK1)

Prepared & Analyzed: 06/11/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/kg	40.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	34.4		"	40.0		86.0	80-120			

LCS (EF61209-BS1)

Prepared & Analyzed: 06/11/06

Benzene	1.22	0.0250	mg/kg wet	1.25		97.6	80-120			
Toluene	1.27	0.0250	"	1.25		102	80-120			
Ethylbenzene	1.19	0.0250	"	1.25		95.2	80-120			
Xylene (p/m)	2.42	0.0250	"	2.50		96.8	80-120			
Xylene (o)	1.30	0.0250	"	1.25		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.5		ug/kg	40.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	37.0		"	40.0		92.5	80-120			

Calibration Check (EF61209-CCV1)

Prepared: 06/11/06 Analyzed: 06/12/06

Benzene	47.1		ug/kg	50.0		94.2	80-120			
Toluene	45.9		"	50.0		91.8	80-120			
Ethylbenzene	51.3		"	50.0		103	80-120			
Xylene (p/m)	93.9		"	100		93.9	80-120			
Xylene (o)	51.0		"	50.0		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.0		"	40.0		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	43.1		"	40.0		108	80-120			

Matrix Spike (EF61209-MS1)

Source: 6F09002-04

Prepared: 06/11/06 Analyzed: 06/12/06

Benzene	1.20	0.0250	mg/kg dry	1.29	ND	93.0	80-120			
Toluene	1.18	0.0250	"	1.29	ND	91.5	80-120			
Ethylbenzene	1.14	0.0250	"	1.29	ND	88.4	80-120			
Xylene (p/m)	2.52	0.0250	"	2.57	ND	98.1	80-120			
Xylene (o)	1.34	0.0250	"	1.29	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.2		ug/kg	40.0		90.5	80-120			
Surrogate: 4-Bromofluorobenzene	43.4		"	40.0		108	80-120			

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Page 30 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61209 - EPA 5030C (GC)

Matrix Spike Dup (EF61209-MSD1)

Source: 6F09002-04

Prepared: 06/11/06 Analyzed: 06/12/06

Benzene	1.25	0.0250	mg/kg dry	1.29	ND	96.9	80-120	4.11	20	
Toluene	1.29	0.0250	"	1.29	ND	100	80-120	8.88	20	
Ethylbenzene	1.20	0.0250	"	1.29	ND	93.0	80-120	5.07	20	
Xylene (p/m)	2.44	0.0250	"	2.57	ND	94.9	80-120	3.32	20	
Xylene (o)	1.34	0.0250	"	1.29	ND	104	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	38.7		ug/kg	40.0		96.8	80-120			
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120			

Batch EF61210 - EPA 5030C (GC)

Blank (EF61210-BLK1)

Prepared & Analyzed: 06/12/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	36.3		ug/kg	40.0		90.8	80-120			
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120			

LCS (EF61210-BS1)

Prepared & Analyzed: 06/12/06

Benzene	1.14	0.0250	mg/kg wet	1.25		91.2	80-120			
Toluene	1.13	0.0250	"	1.25		90.4	80-120			
Ethylbenzene	1.08	0.0250	"	1.25		86.4	80-120			
Xylene (p/m)	2.41	0.0250	"	2.50		96.4	80-120			
Xylene (o)	1.29	0.0250	"	1.25		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.1		ug/kg	40.0		82.8	80-120			
Surrogate: 4-Bromofluorobenzene	42.6		"	40.0		106	80-120			

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Page 31 of 38

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61210 - EPA 5030C (GC)

Calibration Check (EF61210-CCV1)

Prepared: 06/12/06 Analyzed: 06/13/06

Benzene	46.7		ug/kg	50.0		93.4	80-120			
Toluene	45.9		"	50.0		91.8	80-120			
Ethylbenzene	47.1		"	50.0		94.2	80-120			
Xylene (p/m)	83.2		"	100		83.2	80-120			
Xylene (o)	45.9		"	50.0		91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.2		"	40.0		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	33.2		"	40.0		83.0	80-120			

Matrix Spike (EF61210-MS1)

Source: 6F09002-38

Prepared: 06/12/06 Analyzed: 06/13/06

Benzene	1.27	0.0250	mg/kg dry	1.34	ND	94.8	80-120			
Toluene	1.32	0.0250	"	1.34	ND	98.5	80-120			
Ethylbenzene	1.20	0.0250	"	1.34	ND	89.6	80-120			
Xylene (p/m)	2.71	0.0250	"	2.69	ND	101	80-120			
Xylene (o)	1.42	0.0250	"	1.34	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.6		ug/kg	40.0		94.0	80-120			
Surrogate: 4-Bromofluorobenzene	32.9		"	40.0		82.2	80-120			

Matrix Spike Dup (EF61210-MSD1)

Source: 6F09002-38

Prepared: 06/12/06 Analyzed: 06/13/06

Benzene	1.33	0.0250	mg/kg dry	1.34	ND	99.3	80-120	4.64	20	
Toluene	1.27	0.0250	"	1.34	ND	94.8	80-120	3.83	20	
Ethylbenzene	1.12	0.0250	"	1.34	ND	83.6	80-120	6.93	20	
Xylene (p/m)	2.52	0.0250	"	2.69	ND	93.7	80-120	7.50	20	
Xylene (o)	1.35	0.0250	"	1.34	ND	101	80-120	4.83	20	
Surrogate: a,a,a-Trifluorotoluene	38.7		ug/kg	40.0		96.8	80-120			
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120			

Batch EF61305 - EPA 5030C (GC)

Blank (EF61305-BLK1)

Prepared & Analyzed: 06/13/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	32.1		ug/kg	40.0		80.2	80-120			
Surrogate: 4-Bromofluorobenzene	32.7		"	40.0		81.8	80-120			

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Page 32 of 38

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61305 - EPA 5030C (GC)

LCS (EF61305-BS1)

Prepared & Analyzed: 06/13/06

Benzene	1.13	0.0250	mg/kg wet	1.25		90.4	80-120			
Toluene	1.21	0.0250	"	1.25		96.8	80-120			
Ethylbenzene	1.08	0.0250	"	1.25		86.4	80-120			
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120			
Xylene (o)	1.30	0.0250	"	1.25		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.9		ug/kg	40.0		97.2	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120			

Calibration Check (EF61305-CCV1)

Prepared: 06/13/06 Analyzed: 06/14/06

Benzene	0.0469		mg/kg wet	0.0500		93.8	80-120			
Toluene	0.0490		"	0.0500		98.0	80-120			
Ethylbenzene	0.0521		"	0.0500		104	80-120			
Xylene (p/m)	0.0979		"	0.100		97.9	80-120			
Xylene (o)	0.0528		"	0.0500		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.9		ug/kg	40.0		89.8	80-120			
Surrogate: 4-Bromofluorobenzene	41.9		"	40.0		105	80-120			

Matrix Spike (EF61305-MS1)

Source: 6F09002-40

Prepared: 06/13/06 Analyzed: 06/14/06

Benzene	1.53	0.0250	mg/kg dry	1.60	ND	95.6	80-120			
Toluene	1.47	0.0250	"	1.60	ND	91.9	80-120			
Ethylbenzene	1.35	0.0250	"	1.60	ND	84.4	80-120			
Xylene (p/m)	2.98	0.0250	"	3.19	ND	93.4	80-120			
Xylene (o)	1.57	0.0250	"	1.60	ND	98.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		ug/kg	40.0		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.9		"	40.0		94.8	80-120			

Matrix Spike Dup (EF61305-MSD1)

Source: 6F09002-40

Prepared: 06/13/06 Analyzed: 06/14/06

Benzene	1.56	0.0250	mg/kg dry	1.60	ND	97.5	80-120	1.97	20	
Toluene	1.65	0.0250	"	1.60	ND	103	80-120	11.4	20	
Ethylbenzene	1.51	0.0250	"	1.60	ND	94.4	80-120	11.2	20	
Xylene (p/m)	3.33	0.0250	"	3.19	ND	104	80-120	10.7	20	
Xylene (o)	1.75	0.0250	"	1.60	ND	109	80-120	10.5	20	
Surrogate: a,a,a-Trifluorotoluene	39.1		ug/kg	40.0		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			

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Page 33 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF60913 - 418.1										
Blank (EF60913-BLK1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF60913-CCV1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	5320		mg/kg	4990		107	80-120			
Matrix Spike (EF60913-MS1)				Source: 6F07012-37		Prepared & Analyzed: 06/09/06				
TPH 418.1	2300	10.0	mg/kg dry	2510	ND	91.6	80-120			
Matrix Spike Dup (EF60913-MSD1)				Source: 6F07012-37		Prepared & Analyzed: 06/09/06				
TPH 418.1	2280	10.0	mg/kg dry	2510	ND	90.8	80-120	0.873	20	
Batch EF60914 - 418.1										
Blank (EF60914-BLK1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF60914-CCV1)				Prepared & Analyzed: 06/09/06						
TPH 418.1	4870		mg/kg	4990		97.6	80-120			
Matrix Spike (EF60914-MS1)				Source: 6F09002-09		Prepared & Analyzed: 06/09/06				
TPH 418.1	3320	10.0	mg/kg dry	2510	652	106	80-120			
Matrix Spike Dup (EF60914-MSD1)				Source: 6F09002-09		Prepared & Analyzed: 06/09/06				
TPH 418.1	3310	10.0	mg/kg dry	2510	652	106	80-120	0.302	20	
Batch EF60915 - 418.1										
Blank (EF60915-BLK1)				Prepared & Analyzed: 06/11/06						
TPH 418.1	ND	10.0	mg/kg wet							

Environmental Lab of Texas

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.

Page 34 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF60915 - 418.1									
Calibration Check (EF60915-CCV1)				Prepared & Analyzed: 06/11/06					
TPH 418.1	4860		mg/kg	4990		97.4	80-120		
Matrix Spike (EF60915-MS1)				Source: 6F09002-29 Prepared & Analyzed: 06/11/06					
TPH 418.1	2560	10.0	mg/kg dry	2530	ND	101	80-120		
Matrix Spike Dup (EF60915-MSD1)				Source: 6F09002-29 Prepared & Analyzed: 06/11/06					
TPH 418.1	2550	10.0	mg/kg dry	2530	ND	101	80-120	0.391	20
Batch EF61004 - Water Extraction									
Blank (EF61004-BLK1)				Prepared & Analyzed: 06/10/06					
Chloride	ND	0.500	mg/kg						
LCS (EF61004-BS1)				Prepared & Analyzed: 06/10/06					
Chloride	9.42	0.500	mg/kg	10.0		94.2	80-120		
Calibration Check (EF61004-CCV1)				Prepared & Analyzed: 06/10/06					
Chloride	10.1		mg/L	10.0		101	80-120		
Duplicate (EF61004-DUP1)				Source: 6F09002-01 Prepared & Analyzed: 06/10/06					
Chloride	14.2	5.00	mg/kg		15.2		6.80	20	
Duplicate (EF61004-DUP2)				Source: 6F09002-11 Prepared & Analyzed: 06/10/06					
Chloride	14.0	5.00	mg/kg		14.6		4.20	20	
Matrix Spike (EF61004-MS1)				Source: 6F09002-01 Prepared & Analyzed: 06/10/06					
Chloride	102	5.00	mg/kg	100	15.2	86.8	80-120		

Environmental Lab of Texas

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Page 35 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61004 - Water Extraction										
Matrix Spike (EF61004-MS2)		Source: 6F09002-11			Prepared & Analyzed: 06/10/06					
Chloride	98.8	5.00	mg/kg	100	14.6	84.2	80-120			
Batch EF61005 - General Preparation (WetChem)										
Blank (EF61005-BLK1)		Prepared & Analyzed: 06/10/06								
Chloride	ND	0.500	mg/kg							
LCS (EF61005-BS1)		Prepared & Analyzed: 06/10/06								
Chloride	11.5	0.500	mg/kg	10.0		115	80-120			
Calibration Check (EF61005-CCV1)		Prepared & Analyzed: 06/10/06								
Chloride	9.12		mg/L	10.0		91.2	80-120			
Duplicate (EF61005-DUP1)		Source: 6F09002-21			Prepared & Analyzed: 06/10/06					
Chloride	89.8	5.00	mg/kg		90.2			0.444	20	
Duplicate (EF61005-DUP2)		Source: 6F09002-31			Prepared & Analyzed: 06/10/06					
Chloride	20.5	5.00	mg/kg		20.0			2.47	20	
Matrix Spike (EF61005-MS1)		Source: 6F09002-21			Prepared & Analyzed: 06/10/06					
Chloride	202	5.00	mg/kg	100	90.2	112	80-120			
Matrix Spike (EF61005-MS2)		Source: 6F09002-31			Prepared & Analyzed: 06/10/06					
Chloride	110	5.00	mg/kg	100	20.0	90.0	80-120			
Batch EF61101 - General Preparation (Prep)										
Blank (EF61101-BLK1)		Prepared: 06/10/06 Analyzed: 06/11/06								
% Solids	100		%							

Environmental Lab of Texas

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Page 36 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61101 - General Preparation (Prep)										
Duplicate (EF61101-DUP1)	Source: 6F08014-01		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	88.3		%		88.8			0.565	20	
Duplicate (EF61101-DUP2)	Source: 6F09002-02		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	99.2		%		99.0			0.202	20	
Duplicate (EF61101-DUP3)	Source: 6F09002-22		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	95.8		%		95.1			0.733	20	
Duplicate (EF61101-DUP4)	Source: 6F09007-02		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	91.0		%		90.4			0.662	20	
Duplicate (EF61101-DUP5)	Source: 6F09012-01		Prepared: 06/10/06 Analyzed: 06/11/06							
% Solids	90.6		%		90.9			0.331	20	

Environmental Lab of Texas

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.

Page 37 of 38

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

6/16/2006

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

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.

Page 38 of 38

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-1800
Fax: 432-563-1713

Mar 10

Project Loc: Humble State #3

社

Fax No:

1

Email:

	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix													
					HNO ₃	HCl	NH ₄ OH	H ₂ SO ₄	Mono	Other (Specify)	Water	Sedg	Soil	Other (specify):	TPH (418) 9015M 1005 100B	Cadoms (Ca, Mg, Na, K) Antom (Cd, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi-volatiles	BTEX 802 BTX 903 or BTEX 8260	RCL	N.O.R.M.	RUSH TAT (Pre-Schedule)	TAT	
-01	B5A	6-8-06	8:15	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-02	B5B	6-8-06	8:20	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-03	B5C	6-8-06	8:25	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-04	B5D	6-8-06	8:30	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-05	B5E	6-8-06	8:35	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-06	B6A	6-8-06	8:40	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-07	B6B	6-8-06	8:45	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-08	B6C	6-8-06	8:50	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-09	B6D	6-8-06	8:55	1	X								X		X	X	X	X	X	X	X	X	X	X	X
-10	B6E	6-8-06	9:00	1	X								X		X	X	X	X	X	X	X	X	X	X	X

N N

Special Instructions:

418.1, 8015 M, chloride, & BTEX

Received by: [Signature] Date: 6-8-06 Time: 12:45

Refiniquished by: [Signature]

Laboratory Comments: -1.0°C

902 g/L

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Logan Anderson

Project Name:

Marale

Company Name

Elke Environmental

Project #:

Humble State #3

Company Address:

P.O. Box 14167

Project Loc:

City/State/Zip:

Odessa, TX 79768

Telephone No:

366-0043

Fax No:

Sampler Signature:

[Signature]

Email:

[Blank]

LAB # (lab use only) 200603	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	K ₂ O	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify):	TPH 418, 8015M, 1005, 1010	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8021B, 8030 or BTEX 8200	RCM	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT			
					X									X				X								X				X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X
					X													X									X			X

Special Instructions:

418.1, 8015M, Chloride, and BTEX

Sample Containers Intact? Y
Labels on container? Y
Custody Seals: Containers Cooling
Temperature Upon Receipt: -1.0°C

Relinquished by:

[Signature]

Received by:

[Signature]

Date

Time

Date

Time

Relinquished by:

[Signature]

Received by ELO:

[Signature]

Date

Time

Date

Time

Laboratory Comments:

-1.0°C

Environmental Lab of Texas

12500 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: PO Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 366-0043
Project Name: Maria 6
Project #:
Project Loc: Humble State #3
PO #:

Fax No:
Sampler Signature: [Signature]
Email:

LAB # (Lab Use Only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix					Analyze For:									
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify):	TPT-418 (8015M) 1005 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021 BTEX 8260 or BTEX 8260	RCI	N.O.R.M.	TOTAL:		TOTAL:		
10-20-00	B9A	6-8-06	9:55	1	X									X		X		X				X							X
	B9B	6-8-06	10:00	1	X									X		X		X				X							X
	B9C	6-8-06	10:05	1	X									X		X		X				X							X
	B9D	6-8-06	10:10	1	X									X		X		X				X							X
	B9E	6-8-06	10:15	1	X									X		X		X				X							X
	B10A	6-8-06	10:20	1	X									X		X		X				X							X
	B10B	6-8-06	10:25	1	X									X		X		X				X							X
	B10C	6-8-06	10:30	1	X									X		X		X				X							X
	B10D	6-8-06	10:35	1	X									X		X		X				X							X
	B10E	6-8-06	10:40	1	X									X		X		X				X							X
30																													

Special Instructions:

418.1, 8015M, BTEX, and Chloride

Relinquished by: <u>[Signature]</u>	Date: <u>6-8-06</u>	Time: <u>12:15</u>	Received by: <u>[Signature]</u>	Date: <u>6-8-06</u>	Time: <u>12:45</u>
Relinquished by: <u>[Signature]</u>	Date: <u>6-8-06</u>	Time: <u>6:45</u>	Received by ELOT: <u>Sandra Sanchez</u>	Date: <u>6/8/06</u>	Time: <u>1745</u>

Sample Containers Intact? N
Labels on container? N
Custody Seals: Containers & Cooler
Temperature Upon Receipt: -1.0C

Laboratory Comments: -1.0C

ENVIRONMENTAL LAB OF TEXAS

12500 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: P.O. Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 366-0043
Sampler Signature: [Signature]
Email: _____
Project Name: Margalo
Project #: _____
Project Loc: Humble State #3
PO #: _____

Fax No: _____

City/State/Zip: _____

Telephone No: _____

Sampler Signature: _____

Email: _____

LAB # (Lab-use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	PRESERVATIVE										MATRIX										RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TPH-419.1 2015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX #021B#030 or BTEX B260	NO ₂ / RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
31	B11A	6-8-06	10:45	1	X									X		X						X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

Special Instructions:

418.1, 8015M, chloride, and BTEX

Relinquished by: [Signature]
Date: 6-8-06 Time: 5:40

Received by: [Signature]
Date: 6-8-06 Time: 12:45

Received by ELOT: [Signature]
Date: 6-8-06 Time: 1745

Sample Containers Intact? Y
Labels on containers? Y
Custody Seals: Containers Y
Temperature Upon Receipt: -1.0C

Laboratory Comments:

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

Site: Elke Env
 Date/Time: 6/8/06 5:45
 Order #: 6F08002
 Initials: CK

Sample Receipt Checklist

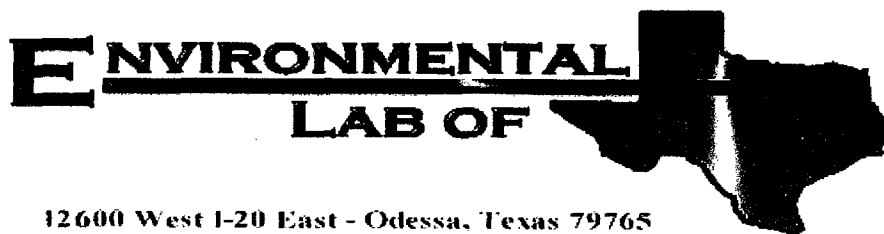
Temperature of container/cooler?	Yes	No	7.0 C
Shipping container/cooler in good condition?	☒	No	
Custody Seals intact on shipping container/cooler?	☒	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	☒	No	
Sample Instructions complete on Chain of Custody?	☒	No	
Chain of Custody signed when relinquished and received?	☒	No	
Chain of custody agrees with sample label(s)	☒	No	
Container labels legible and intact?	☒	No	
Sample Matrix and properties same as on chain of custody?	☒	No	
Samples in proper container/bottle?	☒	No	
Samples properly preserved?	☒	No	
Sample bottles intact?	☒	No	
Preservations documented on Chain of Custody?	☒	No	
Containers documented on Chain of Custody?	☒	No	
Sufficient sample amount for indicated test?	☒	No	
All samples received within sufficient hold time?	☒	No	
VOC samples have zero headspace?	☒	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F15019

Report Date: 06/19/06

2006 AUG 14 PM 1 05

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W26 A	6F15019-01	Soil	06/14/06 08:00	06/15/06 16:44
W26 B	6F15019-02	Soil	06/14/06 08:10	06/15/06 16:44
W26 C	6F15019-03	Soil	06/14/06 08:20	06/15/06 16:44
W26 D	6F15019-04	Soil	06/14/06 08:30	06/15/06 16:44
W25 A	6F15019-05	Soil	06/14/06 08:45	06/15/06 16:44
W25 B	6F15019-06	Soil	06/14/06 08:55	06/15/06 16:44
W25 C	6F15019-07	Soil	06/14/06 09:05	06/15/06 16:44
W25 D	6F15019-08	Soil	06/14/06 09:15	06/15/06 16:44
W23 A	6F15019-09	Soil	06/14/06 10:15	06/15/06 16:44
W23 B	6F15019-10	Soil	06/14/06 10:25	06/15/06 16:44
W23 C	6F15019-11	Soil	06/14/06 10:35	06/15/06 16:44
W23 D	6F15019-12	Soil	06/14/06 10:45	06/15/06 16:44
W22 A	6F15019-13	Soil	06/14/06 11:00	06/15/06 16:44
W22 B	6F15019-14	Soil	06/14/06 11:10	06/15/06 16:44
W22 C	6F15019-15	Soil	06/14/06 11:20	06/15/06 16:44
W22 D	6F15019-16	Soil	06/14/06 11:30	06/15/06 16:44
4 Pt. Comp. W26	6F15019-17	Soil	06/14/06 08:35	06/15/06 16:44
4 Pt. Comp. W25	6F15019-18	Soil	06/14/06 09:20	06/15/06 16:44
4 Pt. Comp. W23	6F15019-19	Soil	06/14/06 10:50	06/15/06 16:44
4 Pt. Comp. W22	6F15019-20	Soil	06/14/06 11:40	06/15/06 16:44
W39 A	6F15019-21	Soil	06/15/06 07:00	06/15/06 16:44
W39 B	6F15019-22	Soil	06/15/06 07:05	06/15/06 16:44
W39 C	6F15019-23	Soil	06/15/06 07:10	06/15/06 16:44
W39 D	6F15019-24	Soil	06/15/06 07:15	06/15/06 16:44
W40 A	6F15019-25	Soil	06/15/06 07:25	06/15/06 16:44
W40 B	6F15019-26	Soil	06/15/06 07:30	06/15/06 16:44
W40 C	6F15019-27	Soil	06/15/06 07:35	06/15/06 16:44
W40 D	6F15019-28	Soil	06/15/06 07:40	06/15/06 16:44
W41 A	6F15019-29	Soil	06/15/06 07:50	06/15/06 16:44
W41 B	6F15019-30	Soil	06/15/06 07:55	06/15/06 16:44
W41 C	6F15019-31	Soil	06/15/06 08:00	06/15/06 16:44
W41 D	6F15019-32	Soil	06/15/06 08:05	06/15/06 16:44
W42 A	6F15019-33	Soil	06/15/06 08:15	06/15/06 16:44
W42 B	6F15019-34	Soil	06/15/06 08:20	06/15/06 16:44

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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W42 C	6F15019-35	Soil	06/15/06 08:25	06/15/06 16:44
W42 D	6F15019-36	Soil	06/15/06 08:30	06/15/06 16:44
W35 A	6F15019-37	Soil	06/15/06 11:50	06/15/06 16:44
W35 B	6F15019-38	Soil	06/15/06 12:00	06/15/06 16:44
W35 C	6F15019-39	Soil	06/15/06 12:10	06/15/06 16:44
W35 D	6F15019-40	Soil	06/15/06 12:20	06/15/06 16:44
W36 A	6F15019-41	Soil	06/15/06 12:40	06/15/06 16:44
W36 B	6F15019-42	Soil	06/15/06 12:50	06/15/06 16:44
W36 C	6F15019-43	Soil	06/15/06 13:00	06/15/06 16:44
W36 D	6F15019-44	Soil	06/15/06 13:10	06/15/06 16:44
W37 A	6F15019-45	Soil	06/15/06 13:30	06/15/06 16:44
W37 B	6F15019-46	Soil	06/15/06 13:40	06/15/06 16:44
W37 C	6F15019-47	Soil	06/15/06 13:50	06/15/06 16:44
W37 D	6F15019-48	Soil	06/15/06 14:00	06/15/06 16:44
W38 A	6F15019-49	Soil	06/15/06 14:20	06/15/06 16:44
W38 B	6F15019-50	Soil	06/15/06 14:30	06/15/06 16:44
W38 C	6F15019-51	Soil	06/15/06 14:40	06/15/06 16:44
W38 D	6F15019-52	Soil	06/15/06 14:50	06/15/06 16:44
4 Pt. Comp. W39	6F15019-53	Soil	06/15/06 07:20	06/15/06 16:44
4 Pt. Comp. W40	6F15019-54	Soil	06/15/06 07:45	06/15/06 16:44
4 Pt. Comp. W41	6F15019-55	Soil	06/15/06 08:10	06/15/06 16:44
4 Pt. Comp. W42	6F15019-56	Soil	06/15/06 08:35	06/15/06 16:44
4 Pt. Comp. W35	6F15019-57	Soil	06/15/06 12:30	06/15/06 16:44
4 Pt. Comp. W36	6F15019-58	Soil	06/15/06 13:20	06/15/06 16:44
4 Pt. Comp. W37	6F15019-59	Soil	06/15/06 14:10	06/15/06 16:44
4 Pt. Comp. W38	6F15019-60	Soil	06/15/06 15:00	06/15/06 16:44
B20 A	6F15019-61	Soil	06/15/06 08:40	06/15/06 16:44
B20 B	6F15019-62	Soil	06/15/06 08:45	06/15/06 16:44
B20 C	6F15019-63	Soil	06/15/06 08:50	06/15/06 16:44
B20 D	6F15019-64	Soil	06/15/06 08:55	06/15/06 16:44
B20 E	6F15019-65	Soil	06/15/06 09:00	06/15/06 16:44
B22 A	6F15019-66	Soil	06/15/06 15:05	06/15/06 16:44
B22 B	6F15019-67	Soil	06/15/06 15:10	06/15/06 16:44
B22 C	6F15019-68	Soil	06/15/06 15:15	06/15/06 16:44

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Page 2 of 42

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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B22 D	6F15019-69	Soil	06/15/06 15:20	06/15/06 16:44
B22 E	6F15019-70	Soil	06/15/06 15:25	06/15/06 16:44

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Page 3 of 42

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Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W26 A (6F15019-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	80-120		"	"	"	"	
W26 B (6F15019-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		"	"	"	"	
W26 C (6F15019-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	0.132	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0343	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.5 %	80-120		"	"	"	"	
W26 D (6F15019-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.2 %	80-120		"	"	"	"	

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Page 4 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W25 A (6F15019-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	80-120		"	"	"	"	
W25 B (6F15019-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-120		"	"	"	"	
W25 C (6F15019-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
W25 D (6F15019-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120		"	"	"	"	

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Page 5 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W23 A (6F15019-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	80-120		"	"	"	"	
W23 B (6F15019-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.5 %	80-120		"	"	"	"	
W23 C (6F15019-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
W23 D (6F15019-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	80-120		"	"	"	"	

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Page 6 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W22 A (6F15019-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		"	"	"	"	
W22 B (6F15019-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		"	"	"	"	
W22 C (6F15019-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
W22 D (6F15019-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	80-120		"	"	"	"	

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Page 7 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Pt. Comp. W26 (6F15019-17) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	37.5	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	37.5	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		120 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		127 %	70-130		"	"	"	"	
4 Pt. Comp. W25 (6F15019-18) Soil									
Carbon Ranges C6-C12	J [5.02]	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	J
Carbon Ranges C12-C28	59.6	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	59.6	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		119 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-130		"	"	"	"	
4 Pt. Comp. W23 (6F15019-19) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		118 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		123 %	70-130		"	"	"	"	
4 Pt. Comp. W22 (6F15019-20) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		113 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	

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Page 8 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W39 A (6F15019-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.5 %	80-120		"	"	"	"	
W39 B (6F15019-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	
W39 C (6F15019-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
W39 D (6F15019-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61607	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	80-120		"	"	"	"	

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Page 9 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W40 A (6F15019-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-120		"	"	"	"	
W40 B (6F15019-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		"	"	"	"	
W40 C (6F15019-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
W40 D (6F15019-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	

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Page 10 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W41 A (6F15019-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		96.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.2 %	80-120		"	"	"	"	
W41 B (6F15019-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.5 %	80-120		"	"	"	"	
W41 C (6F15019-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		91.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		"	"	"	"	
W41 D (6F15019-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	80-120		"	"	"	"	

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Page 11 of 42

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Project Manager: Logan Anderson

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W42 A (6F15019-33) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	80-120		"	"	"	"	
W42 B (6F15019-34) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	
W42 C (6F15019-35) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	80-120		"	"	"	"	
W42 D (6F15019-36) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	80-120		"	"	"	"	

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Page 12 of 42

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Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W35 A (6F15019-37) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	80-120		"	"	"	"	
W35 B (6F15019-38) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	
W35 C (6F15019-39) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
W35 D (6F15019-40) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.0 %	80-120		"	"	"	"	

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Page 13 of 42

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Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W36 A (6F15019-41) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
W36 B (6F15019-42) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-120		"	"	"	"	
W36 C (6F15019-43) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	80-120		"	"	"	"	
W36 D (6F15019-44) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61701	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		"	"	"	"	

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Page 14 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W37 A (6F15019-45) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		116 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		"	"	"	"	
W37 B (6F15019-46) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.5 %	80-120		"	"	"	"	
W37 C (6F15019-47) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		113 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	
W37 D (6F15019-48) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		120 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	

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Page 15 of 42

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P.O. Box 14167
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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W38 A (6F15019-49) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		119 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	80-120		"	"	"	"	
W38 B (6F15019-50) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		116 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.0 %	80-120		"	"	"	"	
W38 C (6F15019-51) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		120 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	80-120		"	"	"	"	
W38 D (6F15019-52) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		119 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.5 %	80-120		"	"	"	"	

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Page 16 of 42

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Pt. Comp. W39 (6F15019-53) Soil									
Carbon Ranges C6-C12	J [5.70]	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	J
Carbon Ranges C12-C28	166	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	35.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	201	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		121 %		70-130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %		70-130	"	"	"	"	
4 Pt. Comp. W40 (6F15019-54) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		117 %		70-130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		120 %		70-130	"	"	"	"	
4 Pt. Comp. W41 (6F15019-55) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	11.3	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	11.3	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %		70-130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %		70-130	"	"	"	"	
4 Pt. Comp. W42 (6F15019-56) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %		70-130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		122 %		70-130	"	"	"	"	

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Page 17 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Pt. Comp. W35 (6F15019-57) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		119 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %	70-130		"	"	"	"	
4 Pt. Comp. W36 (6F15019-58) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		117 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		123 %	70-130		"	"	"	"	
4 Pt. Comp. W37 (6F15019-59) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	34.7	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	34.7	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		113 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		120 %	70-130		"	"	"	"	
4 Pt. Comp. W38 (6F15019-60) Soil									
Carbon Ranges C6-C12	J [10.6]	20.0	mg/kg dry	2	EF61613	06/16/06	06/17/06	EPA 8015M	J
Carbon Ranges C12-C28	330	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	67.5	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	398	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		51.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		55.4 %	70-130		"	"	"	"	S-06

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Page 18 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B20 A (6F15019-61) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		120 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	J [6.39]	10.0	"	"	"	"	"	"	J
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		125 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		126 %	70-130		"	"	"	"	
B20 B (6F15019-62) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		114 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	
B20 C (6F15019-63) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		114 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [5.30]	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	J

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Page 19 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B20 C (6F15019-63) Soil									
Carbon Ranges C12-C28	39.7	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	39.7	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		110 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	
B20 D (6F15019-64) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		101 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		104 %	70-130		"	"	"	"	
B20 E (6F15019-65) Soil									
Benzene	ND	0.0500	mg/kg dry	50	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0500	"	"	"	"	"	"	
Xylene (o)	ND	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		118 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	51.7	20.0	mg/kg dry	2	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	6100	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1450	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	7600	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		63.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		59.2 %	70-130		"	"	"	"	S-06

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Page 20 of 42

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B22 A (6F15019-66) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	97.7	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	12.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	110	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		112 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		119 %	70-130		"	"	"	"	
B22 B (6F15019-67) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		106 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		115 %	70-130		"	"	"	"	
B22 C (6F15019-68) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	

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Page 21 of 42

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Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B22 C (6F15019-68) Soil									
Carbon Ranges C12-C28	139	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C28-C35	13.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	153	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		105 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	
B22 D (6F15019-69) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		114 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [5.01]	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	J
Carbon Ranges C12-C28	186	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	21.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	207	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		97.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		105 %	70-130		"	"	"	"	
B22 E (6F15019-70) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61613	06/16/06	06/18/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-130		"	"	"	"	

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Page 22 of 42

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Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W26 A (6F15019-01) Soil									
% Moisture	0.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W26 B (6F15019-02) Soil									
% Moisture	1.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W26 C (6F15019-03) Soil									
% Moisture	0.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W26 D (6F15019-04) Soil									
% Moisture	0.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W25 A (6F15019-05) Soil									
% Moisture	1.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W25 B (6F15019-06) Soil									
% Moisture	3.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W25 C (6F15019-07) Soil									
% Moisture	0.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W25 D (6F15019-08) Soil									
% Moisture	0.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W23 A (6F15019-09) Soil									
% Moisture	1.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W23 B (6F15019-10) Soil									
% Moisture	2.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W23 C (6F15019-11) Soil									
% Moisture	3.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	

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Page 23 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W23 D (6F15019-12) Soil									
% Moisture	0.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W22 A (6F15019-13) Soil									
% Moisture	3.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W22 B (6F15019-14) Soil									
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W22 C (6F15019-15) Soil									
% Moisture	0.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W22 D (6F15019-16) Soil									
% Moisture	2.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
4 Pt. Comp. W26 (6F15019-17) Soil									
Chloride	13.3	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.7	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	94.0	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W25 (6F15019-18) Soil									
Chloride	13.8	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	122	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W23 (6F15019-19) Soil									
Chloride	14.0	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	2.7	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	99.4	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W22 (6F15019-20) Soil									
Chloride	15.6	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	1.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	160	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	

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Page 24 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W39 A (6F15019-21) Soil									
% Moisture	1.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W39 B (6F15019-22) Soil									
% Moisture	2.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W39 C (6F15019-23) Soil									
% Moisture	2.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W39 D (6F15019-24) Soil									
% Moisture	4.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W40 A (6F15019-25) Soil									
% Moisture	1.0	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W40 B (6F15019-26) Soil									
% Moisture	2.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W40 C (6F15019-27) Soil									
% Moisture	1.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W40 D (6F15019-28) Soil									
% Moisture	1.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W41 A (6F15019-29) Soil									
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W41 B (6F15019-30) Soil									
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W41 C (6F15019-31) Soil									
% Moisture	0.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	

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Page 25 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W41 D (6F15019-32) Soil									
% Moisture	1.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W42 A (6F15019-33) Soil									
% Moisture	1.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W42 B (6F15019-34) Soil									
% Moisture	4.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W42 C (6F15019-35) Soil									
% Moisture	1.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W42 D (6F15019-36) Soil									
% Moisture	1.0	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W35 A (6F15019-37) Soil									
% Moisture	2.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W35 B (6F15019-38) Soil									
% Moisture	0.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W35 C (6F15019-39) Soil									
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W35 D (6F15019-40) Soil									
% Moisture	0.7	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W36 A (6F15019-41) Soil									
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W36 B (6F15019-42) Soil									
% Moisture	0.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	

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Page 26 of 42

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Project: Maralo
Project Number: None Given
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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W36 C (6F15019-43) Soil									
% Moisture	1.0	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W36 D (6F15019-44) Soil									
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W37 A (6F15019-45) Soil									
% Moisture	0.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W37 B (6F15019-46) Soil									
% Moisture	3.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W37 C (6F15019-47) Soil									
% Moisture	1.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W37 D (6F15019-48) Soil									
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W38 A (6F15019-49) Soil									
% Moisture	1.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W38 B (6F15019-50) Soil									
% Moisture	2.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W38 C (6F15019-51) Soil									
% Moisture	2.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W38 D (6F15019-52) Soil									
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
4 Pt. Comp. W39 (6F15019-53) Soil									
Chloride	13.2	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	1.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	736	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	

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Page 27 of 42

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Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Pt. Comp. W40 (6F15019-54) Soil									
Chloride	12.9	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	1.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	95.2	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W41 (6F15019-55) Soil									
Chloride	12.4	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	220	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W42 (6F15019-56) Soil									
Chloride	14.0	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	88.4	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W35 (6F15019-57) Soil									
Chloride	37.7	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	88.6	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W36 (6F15019-58) Soil									
Chloride	12.1	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	1.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	84.9	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W37 (6F15019-59) Soil									
Chloride	35.3	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	191	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
4 Pt. Comp. W38 (6F15019-60) Soil									
Chloride	14.0	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	1440	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	

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Page 28 of 42

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Project Manager: Logan Anderson

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B20 A (6F15019-61) Soil									
Chloride	25.9	10.0	mg/kg	20	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	9.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	164	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B20 B (6F15019-62) Soil									
Chloride	13.0	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	5.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	90.7	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B20 C (6F15019-63) Soil									
Chloride	14.6	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	9.3	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	145	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B20 D (6F15019-64) Soil									
Chloride	12.7	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	2.6	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	75.5	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B20 E (6F15019-65) Soil									
Chloride	27.5	10.0	mg/kg	20	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	18800	100	mg/kg dry	100	EF61705	06/16/06	06/16/06	EPA 418.1	
B22 A (6F15019-66) Soil									
Chloride	15.1	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	126	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B22 B (6F15019-67) Soil									
Chloride	12.7	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	106	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	

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Page 29 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B22 C (6F15019-68) Soil									
Chloride	13.3	5.00	mg/kg	10	EF61708	06/16/06	06/16/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
TPH 418.1	329	10.0	mg/kg dry	10	EF61705	06/16/06	06/16/06	EPA 418.1	
B22 D (6F15019-69) Soil									
Chloride	14.8	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	333	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B22 E (6F15019-70) Soil									
Chloride	12.4	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	

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Page 30 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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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 EF61511 - Solvent Extraction (GC)										
Blank (EF61511-BLK1) Prepared: 06/15/06 Analyzed: 06/16/06										
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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	64.2		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	64.1		"	50.0		128	70-130			
LCS (EF61511-BS1) Prepared: 06/15/06 Analyzed: 06/16/06										
Carbon Ranges C6-C12	515	10.0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	480	10.0	"	500		96.0	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	995	10.0	"	1000		99.5	75-125			
Surrogate: 1-Chlorooctane	60.9		mg/kg	50.0		122	70-130			
Surrogate: 1-Chlorooctadecane	57.0		"	50.0		114	70-130			
Calibration Check (EF61511-CCV1) Prepared: 06/15/06 Analyzed: 06/16/06										
Carbon Ranges C6-C12	211		mg/kg	250		84.4	80-120			
Carbon Ranges C12-C28	261		"	250		104	80-120			
Total Hydrocarbon nC6-nC35	472		"	500		94.4	80-120			
Surrogate: 1-Chlorooctane	61.8		"	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	58.5		"	50.0		117	70-130			
Matrix Spike (EF61511-MS1) Source: 6F14016-01 Prepared: 06/15/06 Analyzed: 06/16/06										
Carbon Ranges C6-C12	579	10.0	mg/kg dry	564	6.89	101	75-125			
Carbon Ranges C12-C28	574	10.0	"	564	46.9	93.5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1150	10.0	"	1130	46.9	97.6	75-125			
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	54.1		"	50.0		108	70-130			

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Page 31 of 42

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Project: Maralo
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Project Manager: Logan Anderson

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF61511 - Solvent Extraction (GC)

Matrix Spike Dup (EF61511-MSD1)		Source: 6F14016-01		Prepared: 06/15/06		Analyzed: 06/16/06			
Carbon Ranges C6-C12	599	10.0	mg/kg dry	564	6.89	105	75-125	3.40	20
Carbon Ranges C12-C28	592	10.0	"	564	46.9	96.6	75-125	3.09	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbon nC6-nC35	1190	10.0	"	1130	46.9	101	75-125	3.42	20
Surrogate: 1-Chlorooctane	64.1		mg/kg	50.0		128	70-130		
Surrogate: 1-Chlorooctadecane	54.9		"	50.0		110	70-130		

Batch EF61607 - EPA 5030C (GC)

Blank (EF61607-BLK1)				Prepared: 06/16/06		Analyzed: 06/17/06			
Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	34.0		ug/kg	40.0		85.0	80-120		
Surrogate: 4-Bromofluorobenzene	33.3		"	40.0		83.2	80-120		
LCS (EF61607-BS1)				Prepared: 06/16/06		Analyzed: 06/17/06			
Benzene	1.14	0.0250	mg/kg wet	1.25		91.2	80-120		
Toluene	1.17	0.0250	"	1.25		93.6	80-120		
Ethylbenzene	1.15	0.0250	"	1.25		92.0	80-120		
Xylene (p/m)	2.50	0.0250	"	2.50		100	80-120		
Xylene (o)	1.33	0.0250	"	1.25		106	80-120		
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/kg	40.0		82.5	80-120		
Surrogate: 4-Bromofluorobenzene	38.0		"	40.0		95.0	80-120		

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Page 32 of 42

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Project Manager: Logan Anderson

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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
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Batch EF61607 - EPA 5030C (GC)

Calibration Check (EF61607-CCV1)

Prepared: 06/16/06 Analyzed: 06/17/06

Benzene	51.9		ug/kg	50.0		104	80-120			
Toluene	56.3		"	50.0		113	80-120			
Ethylbenzene	51.8		"	50.0		104	80-120			
Xylene (p/m)	109		"	100		109	80-120			
Xylene (o)	56.4		"	50.0		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.5		"	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	41.3		"	40.0		103	80-120			

Matrix Spike (EF61607-MS1)

Source: 6F15019-24

Prepared: 06/16/06 Analyzed: 06/17/06

Benzene	1.39	0.0250	mg/kg dry	1.31	ND	106	80-120			
Toluene	1.40	0.0250	"	1.31	ND	107	80-120			
Ethylbenzene	1.25	0.0250	"	1.31	ND	95.4	80-120			
Xylene (p/m)	2.73	0.0250	"	2.63	ND	104	80-120			
Xylene (o)	1.36	0.0250	"	1.31	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.9		ug/kg	40.0		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.5		"	40.0		91.2	80-120			

Matrix Spike Dup (EF61607-MSD1)

Source: 6F15019-24

Prepared: 06/16/06 Analyzed: 06/17/06

Benzene	1.53	0.0250	mg/kg dry	1.31	ND	117	80-120	9.87	20	
Toluene	1.57	0.0250	"	1.31	ND	120	80-120	11.5	20	
Ethylbenzene	1.44	0.0250	"	1.31	ND	110	80-120	14.2	20	
Xylene (p/m)	3.01	0.0250	"	2.63	ND	114	80-120	9.17	20	
Xylene (o)	1.54	0.0250	"	1.31	ND	118	80-120	12.6	20	
Surrogate: a,a,a-Trifluorotoluene	37.4		ug/kg	40.0		93.5	80-120			
Surrogate: 4-Bromofluorobenzene	40.8		"	40.0		102	80-120			

Batch EF61613 - Solvent Extraction (GC)

Blank (EF61613-BLK1)

Prepared: 06/16/06 Analyzed: 06/17/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	74.2		mg/kg	100		74.2	70-130			
Surrogate: 1-Chlorooctadecane	75.3		"	100		75.3	70-130			

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Page 33 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61613 - Solvent Extraction (GC)									
LCS (EF61613-BS1)					Prepared: 06/16/06 Analyzed: 06/17/06				
Carbon Ranges C6-C12	543	10.0	mg/kg wet	500		109	75-125		
Carbon Ranges C12-C28	518	10.0	"	500		104	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125		
Total Hydrocarbon nC6-nC35	1060	10.0	"	1000		106	75-125		
Surrogate: 1-Chlorooctane	62.8		mg/kg	50.0		126	70-130		
Surrogate: 1-Chlorooctadecane	61.5		"	50.0		123	70-130		
Calibration Check (EF61613-CCV1)					Prepared: 06/16/06 Analyzed: 06/18/06				
Carbon Ranges C6-C12	239		mg/kg	250		95.6	80-120		
Carbon Ranges C12-C28	282		"	250		113	80-120		
Total Hydrocarbon nC6-nC35	521		"	500		104	80-120		
Surrogate: 1-Chlorooctane	64.7		"	50.0		129	70-130		
Surrogate: 1-Chlorooctadecane	64.1		"	50.0		128	70-130		
Matrix Spike (EF61613-MS1)					Source: 6F16003-01	Prepared: 06/16/06 Analyzed: 06/17/06			
Carbon Ranges C6-C12	548	10.0	mg/kg dry	538	ND	102	75-125		
Carbon Ranges C12-C28	533	10.0	"	538	ND	99.1	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		
Total Hydrocarbon nC6-nC35	1080	10.0	"	1080	ND	100	75-125		
Surrogate: 1-Chlorooctane	84.7		mg/kg	100		84.7	70-130		
Surrogate: 1-Chlorooctadecane	84.9		"	100		84.9	70-130		
Matrix Spike Dup (EF61613-MSD1)					Source: 6F16003-01	Prepared: 06/16/06 Analyzed: 06/17/06			
Carbon Ranges C6-C12	542	10.0	mg/kg dry	538	ND	101	75-125	1.10	20
Carbon Ranges C12-C28	534	10.0	"	538	ND	99.3	75-125	0.187	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbon nC6-nC35	1080	10.0	"	1080	ND	100	75-125	0.00	20
Surrogate: 1-Chlorooctane	85.5		mg/kg	100		85.5	70-130		
Surrogate: 1-Chlorooctadecane	83.8		"	100		83.8	70-130		

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Page 34 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61701 - EPA 5030C (GC)									
Blank (EF61701-BLK1)									
Prepared & Analyzed: 06/17/06									
Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	44.2		ug/kg	40.0		110	80-120		
Surrogate: 4-Bromofluorobenzene	36.4		"	40.0		91.0	80-120		
LCS (EF61701-BS1)									
Prepared & Analyzed: 06/17/06									
Benzene	1.24	0.0250	mg/kg wet	1.25		99.2	80-120		
Toluene	1.36	0.0250	"	1.25		109	80-120		
Ethylbenzene	1.38	0.0250	"	1.25		110	80-120		
Xylene (p/m)	2.85	0.0250	"	2.50		114	80-120		
Xylene (o)	1.45	0.0250	"	1.25		116	80-120		
Surrogate: a,a,a-Trifluorotoluene	41.0		ug/kg	40.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	42.3		"	40.0		106	80-120		
Calibration Check (EF61701-CCV1)									
Prepared: 06/17/06 Analyzed: 06/18/06									
Benzene	53.8		ug/kg	50.0		108	80-120		
Toluene	55.2		"	50.0		110	80-120		
Ethylbenzene	49.8		"	50.0		99.6	80-120		
Xylene (p/m)	101		"	100		101	80-120		
Xylene (o)	53.9		"	50.0		108	80-120		
Surrogate: a,a,a-Trifluorotoluene	44.5		"	40.0		111	80-120		
Surrogate: 4-Bromofluorobenzene	33.2		"	40.0		83.0	80-120		
Matrix Spike (EF61701-MS1)									
Source: 6F15019-44 Prepared: 06/17/06 Analyzed: 06/18/06									
Benzene	1.34	0.0250	mg/kg dry	1.26	ND	106	80-120		
Toluene	1.45	0.0250	"	1.26	ND	115	80-120		
Ethylbenzene	1.39	0.0250	"	1.26	ND	110	80-120		
Xylene (p/m)	2.89	0.0250	"	2.51	ND	115	80-120		
Xylene (o)	1.45	0.0250	"	1.26	ND	115	80-120		
Surrogate: a,a,a-Trifluorotoluene	46.3		ug/kg	40.0		116	80-120		
Surrogate: 4-Bromofluorobenzene	37.5		"	40.0		93.8	80-120		

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Page 35 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61701 - EPA 5030C (GC)

Matrix Spike Dup (EF61701-MSD1)

Source: 6F15019-44

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	1.40	0.0250	mg/kg dry	1.26	ND	111	80-120	4.61	20	
Toluene	1.41	0.0250	"	1.26	ND	112	80-120	2.64	20	
Ethylbenzene	1.26	0.0250	"	1.26	ND	100	80-120	9.52	20	
Xylene (p/m)	2.59	0.0250	"	2.51	ND	103	80-120	11.0	20	
Xylene (o)	1.35	0.0250	"	1.26	ND	107	80-120	7.21	20	
Surrogate: a,a,a-Trifluorotoluene	40.8		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	36.8		"	40.0		92.0	80-120			

Batch EF61702 - EPA 5030C (GC)

Blank (EF61702-BLK1)

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/kg	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120			

LCS (EF61702-BS1)

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	1.18	0.0250	mg/kg wet	1.25		94.4	80-120			
Toluene	1.33	0.0250	"	1.25		106	80-120			
Ethylbenzene	1.19	0.0250	"	1.25		95.2	80-120			
Xylene (p/m)	2.71	0.0250	"	2.50		108	80-120			
Xylene (o)	1.34	0.0250	"	1.25		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.3		ug/kg	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120			

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Page 36 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61702 - EPA 5030C (GC)										
Calibration Check (EF61702-CCV1)				Prepared: 06/17/06 Analyzed: 06/18/06						
Benzene	46.3		ug/kg	50.0		92.6	80-120			
Toluene	52.0		"	50.0		104	80-120			
Ethylbenzene	50.2		"	50.0		100	80-120			
Xylene (p/m)	101		"	100		101	80-120			
Xylene (o)	51.5		"	50.0		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.8		"	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	37.9		"	40.0		94.8	80-120			
Matrix Spike (EF61702-MS1)				Source: 6F15019-70 Prepared: 06/17/06 Analyzed: 06/18/06						
Benzene	1.23	0.0250	mg/kg dry	1.25	ND	98.4	80-120			
Toluene	1.35	0.0250	"	1.25	ND	108	80-120			
Ethylbenzene	1.30	0.0250	"	1.25	ND	104	80-120			
Xylene (p/m)	2.66	0.0250	"	2.50	ND	106	80-120			
Xylene (o)	1.34	0.0250	"	1.25	ND	107	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.2		ug/kg	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	38.9		"	40.0		97.2	80-120			
Matrix Spike Dup (EF61702-MSD1)				Source: 6F15019-70 Prepared: 06/17/06 Analyzed: 06/18/06						
Benzene	1.30	0.0250	mg/kg dry	1.25	ND	104	80-120	5.53	20	
Toluene	1.26	0.0250	"	1.25	ND	101	80-120	6.70	20	
Ethylbenzene	1.23	0.0250	"	1.25	ND	98.4	80-120	5.53	20	
Xylene (p/m)	2.53	0.0250	"	2.50	ND	101	80-120	4.83	20	
Xylene (o)	1.31	0.0250	"	1.25	ND	105	80-120	1.89	20	
Surrogate: a,a,a-Trifluorotoluene	40.5		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	39.1		"	40.0		97.8	80-120			

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P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61705 - 418.1										
Blank (EF61705-BLK1)				Prepared & Analyzed: 06/16/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF61705-CCV1)				Prepared & Analyzed: 06/16/06						
TPH 418.1	5700		mg/kg	5010		114	80-120			
Matrix Spike (EF61705-MS1)				Source: 6F15019-17		Prepared & Analyzed: 06/16/06				
TPH 418.1	2620	10.0	mg/kg dry	2520	94.0	100	80-120			
Matrix Spike Dup (EF61705-MSD1)				Source: 6F15019-17		Prepared & Analyzed: 06/16/06				
TPH 418.1	2610	10.0	mg/kg dry	2520	94.0	99.8	80-120	0.382	20	
Batch EF61706 - 418.1										
Blank (EF61706-BLK1)				Prepared & Analyzed: 06/16/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF61706-CCV1)				Prepared & Analyzed: 06/16/06						
TPH 418.1	4960		mg/kg	5140		96.5	80-120			
Matrix Spike (EF61706-MS1)				Source: 6F15019-69		Prepared & Analyzed: 06/16/06				
TPH 418.1	2670	10.0	mg/kg dry	2570	333	90.9	80-120			
Matrix Spike Dup (EF61706-MSD1)				Source: 6F15019-69		Prepared & Analyzed: 06/16/06				
TPH 418.1	2660	10.0	mg/kg dry	2570	333	90.5	80-120	0.375	20	
Batch EF61708 - General Preparation (WetChem)										
Blank (EF61708-BLK1)				Prepared & Analyzed: 06/16/06						
Chloride	ND	0.500	mg/kg							

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Page 38 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61708 - General Preparation (WetChem)									
LCS (EF61708-BS1)				Prepared & Analyzed: 06/16/06					
Chloride	10.2		mg/L	10.0		102	80-120		
Calibration Check (EF61708-CCV1)				Prepared & Analyzed: 06/16/06					
Chloride	10.9		mg/L	10.0		109	80-120		
Duplicate (EF61708-DUP1)				Source: 6F15019-56		Prepared & Analyzed: 06/16/06			
Chloride	13.3	5.00	mg/kg		14.0		5.13	20	
Duplicate (EF61708-DUP2)				Source: 6F15019-65		Prepared & Analyzed: 06/16/06			
Chloride	27.4	10.0	mg/kg		27.5		0.364	20	
Matrix Spike (EF61708-MS1)				Source: 6F15019-56		Prepared & Analyzed: 06/16/06			
Chloride	106	5.00	mg/kg	100	14.0	92.0	80-120		
Matrix Spike (EF61708-MS2)				Source: 6F15019-65		Prepared & Analyzed: 06/16/06			
Chloride	205	10.0	mg/kg	200	27.5	88.8	80-120		
Batch EF61709 - General Preparation (WetChem)									
Blank (EF61709-BLK1)				Prepared & Analyzed: 06/17/06					
Chloride	ND	0.500	mg/kg						
LCS (EF61709-BS1)				Prepared & Analyzed: 06/17/06					
Chloride	10.5		mg/L	10.0		105	80-120		
Calibration Check (EF61709-CCV1)				Prepared & Analyzed: 06/17/06					
Chloride	10.8		mg/L	10.0		108	80-120		

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Page 39 of 42

Elke Environmental
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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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 EF61709 - General Preparation (WetChem)										
Duplicate (EF61709-DUP1)		Source: 6F16008-01		Prepared & Analyzed: 06/17/06						
Chloride	31.4	10.0	mg/kg		32.0			1.89	20	
Duplicate (EF61709-DUP2)		Source: 6F16008-15		Prepared & Analyzed: 06/17/06						
Chloride	24.6	5.00	mg/kg		26.2			6.30	20	
Matrix Spike (EF61709-MS1)		Source: 6F16008-01		Prepared & Analyzed: 06/17/06						
Chloride	220	10.0	mg/kg	200	32.0	94.0	80-120			
Matrix Spike (EF61709-MS2)		Source: 6F16008-15		Prepared & Analyzed: 06/17/06						
Chloride	110	5.00	mg/kg	100	26.2	83.8	80-120			
Batch EF61710 - General Preparation (Prep)										
Blank (EF61710-BLK1)		Prepared: 06/16/06 Analyzed: 06/17/06								
% Moisture	ND	0.1	%							
Duplicate (EF61710-DUP1)		Source: 6F15019-01		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	0.2	0.1	%		0.3			40.0	20	S-08
Duplicate (EF61710-DUP2)		Source: 6F15019-21		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	0.9	0.1	%		1.2			28.6	20	S-08
Duplicate (EF61710-DUP3)		Source: 6F15019-41		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	0.8	0.1	%		0.9			11.8	20	
Duplicate (EF61710-DUP4)		Source: 6F15019-61		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	8.8	0.1	%		9.4			6.59	20	

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Page 40 of 42

Elke Environmental
P.O. Box 14167
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61710 - General Preparation (Prep)									
Duplicate (EF61710-DUP5)	Source: 6F15021-05		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	6.1	0.1	%		8.1		28.2	20	S-08
Duplicate (EF61710-DUP6)	Source: 6F16008-01		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	2.0	0.1	%		2.9		36.7	20	S-08
Duplicate (EF61710-DUP7)	Source: 6F16010-01		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	1.1	0.1	%		1.1		0.00	20	

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Page 41 of 42

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits.

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

6/19/2006

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.

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Page 42 of 42

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Company Name: ELKE ENVIRONMENTAL

Company Address: PO BOX 14167

City/State/Zip: Odessa, TX 79768

Telephone No: 366.0043

Sampler Signature: [Signature]

Email: _____

Fax No: 366-0884

Project Name: Trinidad

Project #:

Project Loc: Humble State #3

PO #:

6F15019

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Matrix	Preservative	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TPH: 418.1 8015M 1005 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 80218/8030 or BTEX 8280	PCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
-41	W 36-A	6-15-06	12:40	1																			
-42	W 36-B	6-15-06	12:50	1																			
-43	W 36-C	6-15-06	1:00	1																			
-44	W 36-D	6-15-06	1:10	1																			
-45	W 37-A	6-15-06	1:30	1																			
-46	W 37-B	6-15-06	1:40	1																			
-47	W 37-C	6-15-06	1:50	1																			
-48	W 37-D	6-15-06	2:00	1																			
-49	W 38-A	6-15-06	2:20	1																			
-50	W 38-B	6-15-06	2:30	1																			

Special Instructions:

RUSH TAT

LATE MONDAY

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Sample Containers Intact?

Labels on container?

Custody Seals: Containing Cooler

Temperature Upon Receipt: 15°C

Laboratory Comments:

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

LOGAN ANDERSON

Company Name

ELKE ENVIRONMENTAL

Company Address:

PO BOX 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

366-0043

Sampler Signature:

[Signature]

Email:

Fax No: 366-0884

Pg. 6 of 1

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Humboldt

Project #:

Project Loc:

Humboldt #13

PO #:

Analyze For:

TCLP: TOTAL:

BTX (B, T, X) or BTX 8260

Volatiles

Metals: As, Ag, Ba, Cd, Cr, Pb, Hg, Se

SAR/ESP/CEC

Anions (Cl, SO4, CO3, HCO3)

Cations (Ca, Mg, Na, K)

TPH, 418, 1200, 1500, 1005, 1008

Other (Specify):

Soil

Sediment

Whiter

Other (Specify)

None

H2O2

NaOH

HCl

HNO3

Ice

No. of Containers

Time Sampled

Date Sampled

FIELD CODE

LAB # (lab use only)

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

Special Instructions:

RUSH TAT

LATE MONDAY

Relinquished by:

Date

Time

Received by:

Date

Time

Received by ELOT:

Date

Time

Laboratory Comments:

Sample Containers Intact?

Labels on container?

Custody Seal: Containers / Cooler

Temperature Upon Receipt: 15°C

Standard TAT

RUSH TAT (Pre-Schedule)

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

Client: EIKE Environmental

Date/Time: 06-15-06 @ 1644

Order #: 6F15019

Initials: JMM

Sample Receipt Checklist

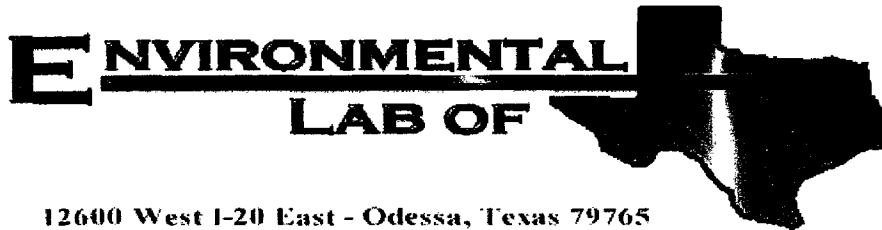
Temperature of container/cooler?	☒ Yes	☐ No	I, S	C
Shipping container/cooler in good condition?	☒ Yes	☐ No		
Custody Seals intact on shipping container/cooler?	☒ Yes	☐ No	Not present	
Custody Seals intact on sample bottles?	☒ Yes	☐ No	Not present	
Chain of custody present?	☒ Yes	☐ No		
Sample instructions 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		
Reservations 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		
OC samples have zero headspace?	☒ Yes	☐ No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F16008

Report Date: 06/19/06

2006 AUG 14 PM 1 06

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B13 A	6F16008-01	Soil	06/16/06 07:00	06/16/06 12:25
B13 B	6F16008-02	Soil	06/16/06 07:05	06/16/06 12:25
B13 C	6F16008-03	Soil	06/16/06 07:10	06/16/06 12:25
B13 D	6F16008-04	Soil	06/16/06 07:15	06/16/06 12:25
B13 E	6F16008-05	Soil	06/16/06 07:20	06/16/06 12:25
B14 A	6F16008-06	Soil	06/16/06 07:25	06/16/06 12:25
B14 B	6F16008-07	Soil	06/16/06 07:30	06/16/06 12:25
B14 C	6F16008-08	Soil	06/16/06 07:35	06/16/06 12:25
B14 D	6F16008-09	Soil	06/16/06 07:40	06/16/06 12:25
B14 E	6F16008-10	Soil	06/16/06 07:45	06/16/06 12:25
W24 A	6F16008-11	Soil	06/16/06 08:40	06/16/06 12:25
W24 B	6F16008-12	Soil	06/16/06 08:45	06/16/06 12:25
W24 C	6F16008-13	Soil	06/16/06 08:50	06/16/06 12:25
W24 D	6F16008-14	Soil	06/16/06 08:55	06/16/06 12:25
4 Pt. Comp. W24	6F16008-15	Soil	06/16/06 09:00	06/16/06 12:25
B17 A	6F16008-16	Soil	06/16/06 08:15	06/16/06 12:25
B17 B	6F16008-17	Soil	06/16/06 08:20	06/16/06 12:25
B17 C	6F16008-18	Soil	06/16/06 08:25	06/16/06 12:25
B17 D	6F16008-19	Soil	06/16/06 08:30	06/16/06 12:25
B17 E	6F16008-20	Soil	06/16/06 08:35	06/16/06 12:25

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B13 A (6F16008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61612	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	142	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	20.9	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	163	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.9 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.0 %	70-130		"	"	"	"	
B13 B (6F16008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61702	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	28.5	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	1140	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	173	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1340	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		60.0 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		65.0 %	70-130		"	"	"	"	S-06
B13 C (6F16008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	62.4	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	

Environmental Lab of Texas

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Page 2 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B13 C (6F16008-03) Soil									
Carbon Ranges C12-C28	2590	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C28-C35	407	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	3060	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		56.6 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		60.2 %	70-130	"	"	"	"	"	S-06
B13 D (6F16008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		116 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	46.6	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	1840	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	264	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	2150	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		67.4 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		72.2 %	70-130	"	"	"	"	"	S-06
B13 E (6F16008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.0 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	65.9	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	2470	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	421	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	2960	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		66.4 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		69.8 %	70-130	"	"	"	"	"	S-06

Environmental Lab of Texas

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Page 3 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B14 A (6F16008-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [13.0]	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	J
Carbon Ranges C12-C28	660	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	158	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	818	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		63.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		68.2 %	70-130		"	"	"	"	S-06
B14 B (6F16008-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	94.5	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	2480	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	326	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	2900	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		64.6 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		69.8 %	70-130		"	"	"	"	S-06
B14 C (6F16008-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		120 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [16.9]	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	J

Environmental Lab of Texas

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Page 4 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B14 C (6F16008-08) Soil									
Carbon Ranges C12-C28	444	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C28-C35	78.6	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	523	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		62.8 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		66.8 %	70-130	"	"	"	"	"	S-06
B14 D (6F16008-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	24.2	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	1530	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	234	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1790	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		66.0 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		70.4 %	70-130	"	"	"	"	"	S-06
B14 E (6F16008-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.2 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		121 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-130	"	"	"	"	"	

Environmental Lab of Texas

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Page 5 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W24 A (6F16008-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
W24 B (6F16008-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/18/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	80-120		"	"	"	"	
W24 C (6F16008-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.5 %	80-120		"	"	"	"	
W24 D (6F16008-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	

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Page 6 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Pt. Comp. W24 (6F16008-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	12.9	10.0	mg/kg dry	1	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	201	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	21.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	235	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		129 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		129 %	70-130		"	"	"	"	
B17 A (6F16008-16) Soil									
Benzene	J [0.0195]	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	J
Toluene	0.851	0.0250	"	"	"	"	"	"	
Ethylbenzene	1.20	0.0250	"	"	"	"	"	"	
Xylene (p/m)	5.13	0.0250	"	"	"	"	"	"	
Xylene (o)	1.57	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		148 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		228 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	1990	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	9430	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1290	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	12700	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		84.2 %	70-130		"	"	"	"	S-06
B17 B (6F16008-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	

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Page 7 of 21

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B17 B (6F16008-17) Soil									
Carbon Ranges C12-C28	47.6	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C28-C35	ND	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	47.6	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		61.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		67.8 %	70-130		"	"	"	"	S-06
B17 C (6F16008-18) Soil									
Benzene	J [0.0114]	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	J
Toluene	0.202	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.168	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.357	0.0250	"	"	"	"	"	"	
Xylene (o)	0.205	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	385	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	3250	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	371	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	4010	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		67.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		70.4 %	70-130		"	"	"	"	S-06
B17 D (6F16008-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [10.1]	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	J
Carbon Ranges C12-C28	226	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	40.6	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	267	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		63.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		68.0 %	70-130		"	"	"	"	S-06

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Page 8 of 21

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B17 E (6F16008-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61703	06/17/06	06/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	33.7	20.0	mg/kg dry	2	EF61611	06/16/06	06/17/06	EPA 8015M	
Carbon Ranges C12-C28	952	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	169	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1150	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		59.4 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		64.0 %	70-130	"	"	"	"	"	S-06

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P.O. Box 14167
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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B13 A (6F16008-01) Soil									
Chloride	32.0	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	2.9	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	617	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B13 B (6F16008-02) Soil									
Chloride	22.2	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	0.6	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	2660	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B13 C (6F16008-03) Soil									
Chloride	18.6	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	5530	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B13 D (6F16008-04) Soil									
Chloride	24.8	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	4810	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B13 E (6F16008-05) Soil									
Chloride	24.2	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	0.3	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	5060	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B14 A (6F16008-06) Soil									
Chloride	37.1	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	1.2	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	1880	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B14 B (6F16008-07) Soil									
Chloride	16.3	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	2.5	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	10500	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	

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Page 10 of 21

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B14 C (6F16008-08) Soil									
Chloride	28.6	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	2.4	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	1270	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B14 D (6F16008-09) Soil									
Chloride	25.7	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	4.0	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	9980	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	
B14 E (6F16008-10) Soil									
Chloride	11.5	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	5.9	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	J [9.37]	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	J
W24 A (6F16008-11) Soil									
% Moisture	0.2	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W24 B (6F16008-12) Soil									
% Moisture	0.1	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W24 C (6F16008-13) Soil									
% Moisture	3.4	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
W24 D (6F16008-14) Soil									
% Moisture	0.8	0.1	%	1	EF61710	06/16/06	06/17/06	% calculation	
4 Pt. Comp. W24 (6F16008-15) Soil									
Chloride	26.2	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	1.3	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	441	10.0	mg/kg dry	10	EF61706	06/16/06	06/16/06	EPA 418.1	

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Page 11 of 21

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B17 A (6F16008-16) Soil									
Chloride	29.2	12.5	mg/kg	25	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	10.0	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	32500	50.0	mg/kg dry	50	EF61706	06/16/06	06/16/06	EPA 418.1	
B17 B (6F16008-17) Soil									
Chloride	56.3	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	1.9	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	153	10.0	mg/kg dry	10	EF61707	06/16/06	06/16/06	EPA 418.1	
B17 C (6F16008-18) Soil									
Chloride	17.4	5.00	mg/kg	10	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	5.3	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	10400	10.0	mg/kg dry	10	EF61707	06/16/06	06/16/06	EPA 418.1	
B17 D (6F16008-19) Soil									
Chloride	28.6	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	5.7	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	836	10.0	mg/kg dry	10	EF61707	06/16/06	06/16/06	EPA 418.1	
B17 E (6F16008-20) Soil									
Chloride	35.9	10.0	mg/kg	20	EF61709	06/17/06	06/17/06	EPA 300.0	
% Moisture	5.0	0.1	%	1	EF61710	06/16/06	"	% calculation	
TPH 418.1	1250	10.0	mg/kg dry	10	EF61707	06/16/06	06/16/06	EPA 418.1	

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Page 12 of 21

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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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 EF61611 - Solvent Extraction (GC)										
Blank (EF61611-BLK1) Prepared: 06/16/06 Analyzed: 06/17/06										
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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	70.4		mg/kg	100		70.4	70-130			
Surrogate: 1-Chlorooctadecane	72.2		"	100		72.2	70-130			
LCS (EF61611-BS1) Prepared: 06/16/06 Analyzed: 06/17/06										
Carbon Ranges C6-C12	519	10.0	mg/kg wet	500		104	75-125			
Carbon Ranges C12-C28	511	10.0	"	500		102	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	61.5		mg/kg	50.0		123	70-130			
Surrogate: 1-Chlorooctadecane	59.5		"	50.0		119	70-130			
Calibration Check (EF61611-CCV1) Prepared: 06/16/06 Analyzed: 06/17/06										
Carbon Ranges C6-C12	216		mg/kg	250		86.4	80-120			
Carbon Ranges C12-C28	276		"	250		110	80-120			
Total Hydrocarbon nC6-nC35	491		"	500		98.2	80-120			
Surrogate: 1-Chlorooctane	63.8		"	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	60.4		"	50.0		121	70-130			
Matrix Spike (EF61611-MS1) Source: 6F16010-02 Prepared: 06/16/06 Analyzed: 06/17/06										
Carbon Ranges C6-C12	515	10.0	mg/kg dry	521	7.24	97.5	75-125			
Carbon Ranges C12-C28	525	10.0	"	521	47.5	91.7	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1040	10.0	"	1040	47.5	95.4	75-125			
Surrogate: 1-Chlorooctane	73.3		mg/kg	100		73.3	70-130			
Surrogate: 1-Chlorooctadecane	70.9		"	100		70.9	70-130			

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Page 13 of 21

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF61611 - Solvent Extraction (GC)

Matrix Spike Dup (EF61611-MSD1)

Source: 6F16010-02

Prepared: 06/16/06 Analyzed: 06/17/06

Carbon Ranges C6-C12	516	10.0	mg/kg dry	521	7.24	97.7	75-125	0.194	20
Carbon Ranges C12-C28	531	10.0	"	521	47.5	92.8	75-125	1.14	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbon nC6-nC35	1050	10.0	"	1040	47.5	96.4	75-125	0.957	20
Surrogate: 1-Chlorooctane	73.1		mg/kg	100		73.1	70-130		
Surrogate: 1-Chlorooctadecane	70.0		"	100		70.0	70-130		

Batch EF61612 - Solvent Extraction (GC)

Blank (EF61612-BLK1)

Prepared & Analyzed: 06/16/06

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 nC6-nC35	ND	10.0	"						
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	70-130		
Surrogate: 1-Chlorooctadecane	62.9		"	50.0		126	70-130		

LCS (EF61612-BS1)

Prepared & Analyzed: 06/16/06

Carbon Ranges C6-C12	518	10.0	mg/kg wet	500		104	75-125		
Carbon Ranges C12-C28	507	10.0	"	500		101	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125		
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000		103	75-125		
Surrogate: 1-Chlorooctane	62.3		mg/kg	50.0		125	70-130		
Surrogate: 1-Chlorooctadecane	58.7		"	50.0		117	70-130		

Calibration Check (EF61612-CCV1)

Prepared: 06/16/06 Analyzed: 06/17/06

Carbon Ranges C6-C12	206		mg/kg	250		82.4	80-120		
Carbon Ranges C12-C28	265		"	250		106	80-120		
Total Hydrocarbon nC6-nC35	471		"	500		94.2	80-120		
Surrogate: 1-Chlorooctane	62.1		"	50.0		124	70-130		
Surrogate: 1-Chlorooctadecane	59.4		"	50.0		119	70-130		

Environmental Lab of Texas

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Page 14 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61612 - Solvent Extraction (GC)

Matrix Spike (EF61612-MS1)		Source: 6F15021-06		Prepared & Analyzed: 06/16/06						
Carbon Ranges C6-C12	538	10.0	mg/kg dry	520	ND	103	75-125			
Carbon Ranges C12-C28	532	10.0	"	520	18.0	98.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1070	10.0	"	1040	18.0	101	75-125			
Surrogate: 1-Chlorooctane	79.7		mg/kg	100		79.7	70-130			
Surrogate: 1-Chlorooctadecane	74.1		"	100		74.1	70-130			
Matrix Spike Dup (EF61612-MSD1)		Source: 6F15021-06		Prepared: 06/16/06 Analyzed: 06/17/06						
Carbon Ranges C6-C12	541	10.0	mg/kg dry	520	ND	104	75-125	0.556	20	
Carbon Ranges C12-C28	538	10.0	"	520	18.0	100	75-125	1.12	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1080	10.0	"	1040	18.0	102	75-125	0.930	20	
Surrogate: 1-Chlorooctane	80.2		mg/kg	100		80.2	70-130			
Surrogate: 1-Chlorooctadecane	73.9		"	100		73.9	70-130			

Batch EF61702 - EPA 5030C (GC)

Blank (EF61702-BLK1)		Prepared: 06/17/06 Analyzed: 06/18/06								
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/kg	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120			
LCS (EF61702-BS1)		Prepared: 06/17/06 Analyzed: 06/18/06								
Benzene	1.18	0.0250	mg/kg wet	1.25		94.4	80-120			
Toluene	1.33	0.0250	"	1.25		106	80-120			
Ethylbenzene	1.19	0.0250	"	1.25		95.2	80-120			
Xylene (p/m)	2.71	0.0250	"	2.50		108	80-120			
Xylene (o)	1.34	0.0250	"	1.25		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.3		ug/kg	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120			

Environmental Lab of Texas

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Page 15 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61702 - EPA 5030C (GC)

Calibration Check (EF61702-CCV1)

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	46.3		ug/kg	50.0		92.6	80-120			
Toluene	52.0		"	50.0		104	80-120			
Ethylbenzene	50.2		"	50.0		100	80-120			
Xylene (p/m)	101		"	100		101	80-120			
Xylene (o)	51.5		"	50.0		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.8		"	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	37.9		"	40.0		94.8	80-120			

Matrix Spike (EF61702-MS1)

Source: 6F15019-70

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	1.23	0.0250	mg/kg dry	1.25	ND	98.4	80-120			
Toluene	1.35	0.0250	"	1.25	ND	108	80-120			
Ethylbenzene	1.30	0.0250	"	1.25	ND	104	80-120			
Xylene (p/m)	2.66	0.0250	"	2.50	ND	106	80-120			
Xylene (o)	1.34	0.0250	"	1.25	ND	107	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.2		ug/kg	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	38.9		"	40.0		97.2	80-120			

Matrix Spike Dup (EF61702-MSD1)

Source: 6F15019-70

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	1.30	0.0250	mg/kg dry	1.25	ND	104	80-120	5.53	20	
Toluene	1.26	0.0250	"	1.25	ND	101	80-120	6.70	20	
Ethylbenzene	1.23	0.0250	"	1.25	ND	98.4	80-120	5.53	20	
Xylene (p/m)	2.53	0.0250	"	2.50	ND	101	80-120	4.83	20	
Xylene (o)	1.31	0.0250	"	1.25	ND	105	80-120	1.89	20	
Surrogate: a,a,a-Trifluorotoluene	40.5		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	39.1		"	40.0		97.8	80-120			

Batch EF61703 - EPA 5030C (GC)

Blank (EF61703-BLK1)

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	41.3		ug/kg	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	36.6		"	40.0		91.5	80-120			

Environmental Lab of Texas

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Page 16 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF61703 - EPA 5030C (GC)

LCS (EF61703-BS1)

Prepared: 06/17/06 Analyzed: 06/18/06

Benzene	1.23	0.0250	mg/kg wet	1.25		98.4	80-120		
Toluene	1.39	0.0250	"	1.25		111	80-120		
Ethylbenzene	1.36	0.0250	"	1.25		109	80-120		
Xylene (p/m)	2.98	0.0250	"	2.50		119	80-120		
Xylene (o)	1.44	0.0250	"	1.25		115	80-120		
Surrogate: a,a,a-Trifluorotoluene	40.2		ug/kg	40.0		100	80-120		
Surrogate: 4-Bromofluorobenzene	43.9		"	40.0		110	80-120		

Calibration Check (EF61703-CCV1)

Prepared: 06/17/06 Analyzed: 06/19/06

Benzene	53.9		ug/kg	50.0		108	80-120		
Toluene	56.8		"	50.0		114	80-120		
Ethylbenzene	52.8		"	50.0		106	80-120		
Xylene (p/m)	109		"	100		109	80-120		
Xylene (o)	56.4		"	50.0		113	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.4		"	40.0		108	80-120		
Surrogate: 4-Bromofluorobenzene	36.5		"	40.0		91.2	80-120		

Matrix Spike (EF61703-MS1)

Source: 6F16008-03

Prepared: 06/17/06 Analyzed: 06/19/06

Benzene	1.30	0.0250	mg/kg dry	1.26	ND	103	80-120		
Toluene	1.42	0.0250	"	1.26	ND	113	80-120		
Ethylbenzene	1.34	0.0250	"	1.26	ND	106	80-120		
Xylene (p/m)	2.89	0.0250	"	2.51	ND	115	80-120		
Xylene (o)	1.49	0.0250	"	1.26	ND	118	80-120		
Surrogate: a,a,a-Trifluorotoluene	44.3		ug/kg	40.0		111	80-120		
Surrogate: 4-Bromofluorobenzene	39.3		"	40.0		98.2	80-120		

Matrix Spike Dup (EF61703-MSD1)

Source: 6F16008-03

Prepared: 06/17/06 Analyzed: 06/19/06

Benzene	1.38	0.0250	mg/kg dry	1.26	ND	110	80-120	6.57	20
Toluene	1.44	0.0250	"	1.26	ND	114	80-120	0.881	20
Ethylbenzene	1.33	0.0250	"	1.26	ND	106	80-120	0.00	20
Xylene (p/m)	2.89	0.0250	"	2.51	ND	115	80-120	0.00	20
Xylene (o)	1.44	0.0250	"	1.26	ND	114	80-120	3.45	20
Surrogate: a,a,a-Trifluorotoluene	46.7		ug/kg	40.0		117	80-120		
Surrogate: 4-Bromofluorobenzene	33.9		"	40.0		84.8	80-120		

Environmental Lab of Texas

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Page 17 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61706 - 418.1									
Blank (EF61706-BLK1)				Prepared & Analyzed: 06/16/06					
TPH 418.1	ND	10.0	mg/kg wet						
Calibration Check (EF61706-CCV1)				Prepared & Analyzed: 06/16/06					
TPH 418.1	4960		mg/kg	5140		96.5	80-120		
Matrix Spike (EF61706-MS1)				Source: 6F15019-69 Prepared & Analyzed: 06/16/06					
TPH 418.1	2670	10.0	mg/kg dry	2570	333	90.9	80-120		
Matrix Spike Dup (EF61706-MSD1)				Source: 6F15019-69 Prepared & Analyzed: 06/16/06					
TPH 418.1	2660	10.0	mg/kg dry	2570	333	90.5	80-120	0.375	20
Batch EF61707 - 418.1									
Blank (EF61707-BLK1)				Prepared & Analyzed: 06/16/06					
TPH 418.1	ND	10.0	mg/kg wet						
Calibration Check (EF61707-CCV1)				Prepared & Analyzed: 06/16/06					
TPH 418.1	5120		mg/kg	5140		99.6	80-120		
Matrix Spike (EF61707-MS1)				Source: 6F16008-17 Prepared & Analyzed: 06/16/06					
TPH 418.1	2940	10.0	mg/kg dry	2620	153	106	80-120		
Matrix Spike Dup (EF61707-MSD1)				Source: 6F16008-17 Prepared & Analyzed: 06/16/06					
TPH 418.1	2930	10.0	mg/kg dry	2620	153	106	80-120	0.341	20
Batch EF61709 - General Preparation (WetChem)									
Blank (EF61709-BLK1)				Prepared & Analyzed: 06/17/06					
Chloride	ND	0.500	mg/kg						

Environmental Lab of Texas

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Page 18 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61709 - General Preparation (WetChem)									
LCS (EF61709-BS1)				Prepared & Analyzed: 06/17/06					
Chloride	10.5		mg/L	10.0	105	80-120			
Calibration Check (EF61709-CCV1)				Prepared & Analyzed: 06/17/06					
Chloride	10.8		mg/L	10.0	108	80-120			
Duplicate (EF61709-DUP1)				Source: 6F16008-01 Prepared & Analyzed: 06/17/06					
Chloride	31.4	10.0	mg/kg		32.0		1.89	20	
Duplicate (EF61709-DUP2)				Source: 6F16008-15 Prepared & Analyzed: 06/17/06					
Chloride	24.6	5.00	mg/kg		26.2		6.30	20	
Matrix Spike (EF61709-MS1)				Source: 6F16008-01 Prepared & Analyzed: 06/17/06					
Chloride	220	10.0	mg/kg	200	32.0	94.0	80-120		
Matrix Spike (EF61709-MS2)				Source: 6F16008-15 Prepared & Analyzed: 06/17/06					
Chloride	110	5.00	mg/kg	100	26.2	83.8	80-120		
Batch EF61710 - General Preparation (Prep)									
Blank (EF61710-BLK1)				Prepared: 06/16/06 Analyzed: 06/17/06					
% Moisture	ND	0.1	%						
Duplicate (EF61710-DUP1)				Source: 6F15019-01 Prepared: 06/16/06 Analyzed: 06/17/06					
% Moisture	0.2	0.1	%		0.3		40.0	20	S-08
Duplicate (EF61710-DUP2)				Source: 6F15019-21 Prepared: 06/16/06 Analyzed: 06/17/06					
% Moisture	0.9	0.1	%		1.2		28.6	20	S-08

Environmental Lab of Texas

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Page 19 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61710 - General Preparation (Prep)									
Duplicate (EF61710-DUP3)	Source: 6F15019-41		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	0.8	0.1	%		0.9		11.8	20	
Duplicate (EF61710-DUP4)	Source: 6F15019-61		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	8.8	0.1	%		9.4		6.59	20	
Duplicate (EF61710-DUP5)	Source: 6F15021-05		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	6.1	0.1	%		8.1		28.2	20	S-08
Duplicate (EF61710-DUP6)	Source: 6F16008-01		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	2.0	0.1	%		2.9		36.7	20	S-08
Duplicate (EF61710-DUP7)	Source: 6F16010-01		Prepared: 06/16/06 Analyzed: 06/17/06						
% Moisture	1.1	0.1	%		1.1		0.00	20	

Environmental Lab of Texas

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Page 20 of 21

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits.

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

6/19/2006

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.

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Environmental Lab of Texas

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Page 21 of 21

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-863-1800
Fax: 432-863-1713

Project Manager:

LOGAN ANDERSON

Company Name

EKKE ENVIRONMENTAL

Company Address:

PO Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

366-0043

Sampler Signature:

[Signature]

Fax No:

366-0084

Email:

[Signature]

Project Name:

Merale

Project #:

Project Loc:

Humble State #13

PO #:

13 1.0 + 0.2

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	Name	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH (418, 1801SM, 1005, 1006)	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR/ESP/CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021, 805030 or BTEX 8260	FCI	NORM	RUSH TAT (Pre-Schedule)	Standard TAT	
6716008	B13-A	6-16-06	7:00	1	X									X		X		X	X	X	X	X	X	X			X	X
	B13-B	6-16-06	7:05	1	X									X		X		X	X	X	X	X	X	X			X	X
	B13-C	6-16-06	7:10	1	X									X		X		X	X	X	X	X	X	X			X	X
	B13-D	6-16-06	7:15	1	X									X		X		X	X	X	X	X	X	X			X	X
	B13-E	6-16-06	7:20	1	X									X		X		X	X	X	X	X	X	X			X	X
	B14-A	6-16-06	7:25	1	X									X		X		X	X	X	X	X	X	X			X	X
	B14-B	6-16-06	7:30	1	X									X		X		X	X	X	X	X	X	X			X	X
	B14-C	6-16-06	7:35	1	X									X		X		X	X	X	X	X	X	X			X	X
	B14-D	6-16-06	7:40	1	X									X		X		X	X	X	X	X	X	X			X	X
	B14-E	6-16-06	7:45	1	X									X		X		X	X	X	X	X	X	X			X	X

Special Instructions:

RUSH TAT 24 hr LATE MONDAY

Relinquished By:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Relinquished by:

[Signature]

Date

Time

Received by ELOT:

[Signature]

Date

Time

Sample Containers Intact?

Labels on container?

Custody Seals: Containers Cooler

Temperature Upon Receipt:

0.5°C

Laboratory Comments:

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Elke Environmental

Date/Time: 06-16-06 @ 1225

Order #: 6F16008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	☒ Yes	☐ No	O.S	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	* Sample time discrepancy	
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: Logan Anderson Date/Time: 06-16-06 Contacted by: Jeanne McMurray
 Regarding: Sample time discrepancies

Corrective Action Taken:

See attached e-mail. Client wants to reference COC times.

Jeanne McMurrey

From: "Hamp Kerby" <elkeenv@yahoo.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Friday, June 16, 2006 8:44 PM
Subject: Re: Maralo samples 06/16 sampling discrepancies

Jeanne,

I need to use the times on the COC. if any other discrepancies arise please use the COC.

thanks, Logan

Jeanne McMurrey <jeanne@elabtexas.com> wrote:

Hi Logan,

I need to let you know there were a couple of discrepancies on the sampling times for your Maralo 06/16 samples as follows:

<i>SAMPLE</i>	<i>COC</i>	<i>LABEL</i>
B17A	0815	0750
B17B	0820	0755
B17C	0825	0800
B17D	0830	0805
B17E	0835	0810

Which times do you want to reference? Please let me know by replying to this e-mail.

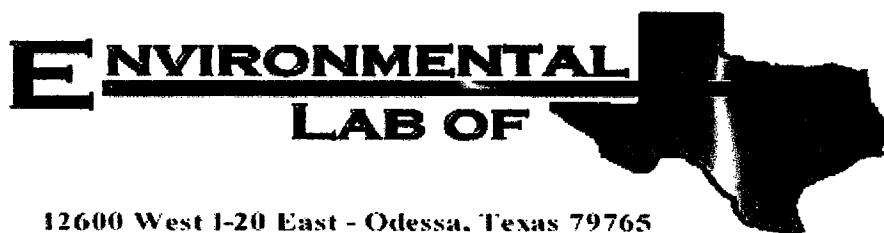
Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

--

This message has been scanned for viruses and dangerous content by BasinBroadband, and is believed to be clean.

6/19/2006



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F13019

Report Date: 06/19/06

2006 JUN 19 PM 1 06

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W27- A	6F13019-01	Soil	06/12/06 06:20	06/13/06 14:45
W27- B	6F13019-02	Soil	06/12/06 06:30	06/13/06 14:45
W27- C	6F13019-03	Soil	06/12/06 06:40	06/13/06 14:45
W27- D	6F13019-04	Soil	06/12/06 06:50	06/13/06 14:45
W28- A	6F13019-05	Soil	06/12/06 07:00	06/13/06 14:45
W28- B	6F13019-06	Soil	06/12/06 07:10	06/13/06 14:45
W28- C	6F13019-07	Soil	06/12/06 07:20	06/13/06 14:45
W28- D	6F13019-08	Soil	06/12/06 07:30	06/13/06 14:45
W29- A	6F13019-09	Soil	06/12/06 07:40	06/13/06 14:45
W29- B	6F13019-10	Soil	06/12/06 07:50	06/13/06 14:45
W29- C	6F13019-11	Soil	06/12/06 08:00	06/13/06 14:45
W29- D	6F13019-12	Soil	06/12/06 08:10	06/13/06 14:45
W30- A	6F13019-13	Soil	06/12/06 08:20	06/13/06 14:45
W30- B	6F13019-14	Soil	06/12/06 08:30	06/13/06 14:45
W30- C	6F13019-15	Soil	06/12/06 08:40	06/13/06 14:45
W30- D	6F13019-16	Soil	06/12/06 08:50	06/13/06 14:45
W31- A	6F13019-17	Soil	06/12/06 09:00	06/13/06 14:45
W31- B	6F13019-18	Soil	06/12/06 09:10	06/13/06 14:45
W31- C	6F13019-19	Soil	06/12/06 09:20	06/13/06 14:45
W31- D	6F13019-20	Soil	06/12/06 09:30	06/13/06 14:45
W32- A	6F13019-21	Soil	06/12/06 10:00	06/13/06 14:45
W32- B	6F13019-22	Soil	06/12/06 10:10	06/13/06 14:45
W32- C	6F13019-23	Soil	06/12/06 10:20	06/13/06 14:45
W32- D	6F13019-24	Soil	06/12/06 10:30	06/13/06 14:45
W33- A	6F13019-25	Soil	06/12/06 10:40	06/13/06 14:45
W33- B	6F13019-26	Soil	06/12/06 10:50	06/13/06 14:45
W33- C	6F13019-27	Soil	06/12/06 11:00	06/13/06 14:45
W33- D	6F13019-28	Soil	06/12/06 11:10	06/13/06 14:45
W34- A	6F13019-29	Soil	06/12/06 11:20	06/13/06 14:45
W34- B	6F13019-30	Soil	06/12/06 11:30	06/13/06 14:45
W34- C	6F13019-31	Soil	06/12/06 11:40	06/13/06 14:45
W34- D	6F13019-32	Soil	06/12/06 11:50	06/13/06 14:45
4pt Comp. W-27	6F13019-33	Soil	06/12/06 09:35	06/13/06 14:45
4pt Comp. W-28	6F13019-34	Soil	06/12/06 09:40	06/13/06 14:45

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4pt Comp. W-29	6F13019-35	Soil	06/12/06 09:45	06/13/06 14:45
4pt Comp. W-30	6F13019-36	Soil	06/12/06 09:50	06/13/06 14:45
4pt Comp. W-31	6F13019-37	Soil	06/12/06 12:00	06/13/06 14:45
4pt Comp. W-32	6F13019-38	Soil	06/12/06 12:05	06/13/06 14:45
4pt Comp. W-33	6F13019-39	Soil	06/12/06 12:10	06/13/06 14:45
4pt Comp. W-34	6F13019-40	Soil	06/12/06 12:15	06/13/06 14:45
B 18 A	6F13019-41	Soil	06/12/06 12:20	06/13/06 14:45
B 18 B	6F13019-42	Soil	06/12/06 12:25	06/13/06 14:45
B 18 C	6F13019-43	Soil	06/12/06 12:30	06/13/06 14:45
B 18 D	6F13019-44	Soil	06/12/06 12:35	06/13/06 14:45
B 18 E	6F13019-45	Soil	06/12/06 12:40	06/13/06 14:45
B 19 A	6F13019-46	Soil	06/12/06 12:45	06/13/06 14:45
B 19 B	6F13019-47	Soil	06/12/06 12:50	06/13/06 14:45
B 19 C	6F13019-48	Soil	06/12/06 12:55	06/13/06 14:45
B 19 D	6F13019-49	Soil	06/12/06 13:00	06/13/06 14:45
B 19 E	6F13019-50	Soil	06/12/06 13:05	06/13/06 14:45
B 15 A	6F13019-51	Soil	06/12/06 13:10	06/13/06 14:45
B 15 B	6F13019-52	Soil	06/12/06 13:15	06/13/06 14:45
B 15 C	6F13019-53	Soil	06/12/06 13:20	06/13/06 14:45
B 15 D	6F13019-54	Soil	06/12/06 13:25	06/13/06 14:45
B 15 E	6F13019-55	Soil	06/12/06 13:30	06/13/06 14:45
B 16 A	6F13019-56	Soil	06/12/06 13:35	06/13/06 14:45
B 16 B	6F13019-57	Soil	06/12/06 13:40	06/13/06 14:45
B 16 C	6F13019-58	Soil	06/12/06 13:45	06/13/06 14:45
B 16 D	6F13019-59	Soil	06/12/06 13:50	06/13/06 14:45
B 16 E	6F13019-60	Soil	06/12/06 13:55	06/13/06 14:45

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Page 2 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W27- A (6F13019-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-120		"	"	"	"	
W27- B (6F13019-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	80-120		"	"	"	"	
W27- C (6F13019-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
W27- D (6F13019-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	

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Page 3 of 40

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W28- A (6F13019-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		89.8 %	80-120		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		83.2 %	80-120		"	"	"	"	
W28- B (6F13019-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.8 %	80-120		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		83.2 %	80-120		"	"	"	"	
W28- C (6F13019-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		82.2 %	80-120		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		80.5 %	80-120		"	"	"	"	
W28- D (6F13019-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		82.2 %	80-120		"	"	"	"	

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Page 4 of 40

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W29- A (6F13019-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120		"	"	"	"	
W29- B (6F13019-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		"	"	"	"	
W29- C (6F13019-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.2 %	80-120		"	"	"	"	
W29- D (6F13019-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61422	06/14/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	

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Page 5 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W30- A (6F13019-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		95.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	
W30- B (6F13019-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
W30- C (6F13019-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		89.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
W30- D (6F13019-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	80-120		"	"	"	"	

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Page 6 of 40

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P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W31- A (6F13019-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
W31- B (6F13019-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	
W31- C (6F13019-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
W31- D (6F13019-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	

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Page 7 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W32- A (6F13019-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
W32- B (6F13019-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		"	"	"	"	
W32- C (6F13019-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.0 %	80-120		"	"	"	"	
W32- D (6F13019-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.5 %	80-120		"	"	"	"	

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Page 8 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W33- A (6F13019-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	
W33- B (6F13019-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-120		"	"	"	"	
W33- C (6F13019-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %	80-120		"	"	"	"	
W33- D (6F13019-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.5 %	80-120		"	"	"	"	

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Page 9 of 40

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W34- A (6F13019-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-120		"	"	"	"	
W34- B (6F13019-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
W34- C (6F13019-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
W34- D (6F13019-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61601	06/15/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	

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Page 10 of 40

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt Comp. W-27 (6F13019-33) Soil									
Carbon Ranges C6-C12	J [11.8]	20.0	mg/kg dry	2	EF61426	06/14/06	06/15/06	EPA 8015M	J
Carbon Ranges C12-C28	967	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	188	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1160	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		50.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		56.0 %	70-130		"	"	"	"	S-06
4pt Comp. W-28 (6F13019-34) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		108 %	70-130		"	"	"	"	
4pt Comp. W-29 (6F13019-35) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	
4pt Comp. W-30 (6F13019-36) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		105 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		120 %	70-130		"	"	"	"	

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Page 11 of 40

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Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt Comp. W-31 (6F13019-37) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		122 %	70-130		"	"	"	"	
4pt Comp. W-32 (6F13019-38) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		107 %	70-130		"	"	"	"	
4pt Comp. W-33 (6F13019-39) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	
4pt Comp. W-34 (6F13019-40) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		110 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	

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Page 12 of 40

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 18 A (6F13019-41) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	190	20.0	mg/kg dry	2	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	5490	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	681	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	6360	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		54.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		57.6 %	70-130		"	"	"	"	S-06
B 18 B (6F13019-42) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	15.4	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	940	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	113	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	1070	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		127 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		129 %	70-130		"	"	"	"	
B 18 C (6F13019-43) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [8.84]	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	J

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Page 13 of 40

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 18 C (6F13019-43) Soil									
Carbon Ranges C12-C28	626	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C28-C35	72.7	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	699	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		123 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		126 %	70-130		"	"	"	"	
B 18 D (6F13019-44) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [5.84]	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	J
Carbon Ranges C12-C28	120	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [7.65]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	120	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		117 %	70-130		"	"	"	"	
B 18 E (6F13019-45) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [9.71]	10.0	mg/kg dry	1	EF61426	06/14/06	06/15/06	EPA 8015M	J
Carbon Ranges C12-C28	520	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	66.9	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	587	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	

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Page 14 of 40

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 19 A (6F13019-46) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0191]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0446	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0462	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	881	20.0	mg/kg dry	2	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	12200	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1630	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	14700	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		69.0 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		62.0 %	70-130		"	"	"	"	S-06
B 19 B (6F13019-47) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61426	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	136	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	12.7	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	149	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		120 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		123 %	70-130		"	"	"	"	
B 19 C (6F13019-48) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	0.0334	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.131	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.208	0.0250	"	"	"	"	"	"	
Xylene (o)	0.203	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	858	20.0	mg/kg dry	2	EF61426	06/14/06	06/15/06	EPA 8015M	

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Page 15 of 40

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 19 C (6F13019-48) Soil									
Carbon Ranges C12-C28	5280	20.0	mg/kg dry	2	EF61426	06/14/06	06/15/06	EPA 8015M	
Carbon Ranges C28-C35	726	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	6860	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		67.6 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		63.6 %	70-130		"	"	"	"	S-06
B 19 D (6F13019-49) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/17/06	EPA 8021B	
Toluene	J [0.0206]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0481	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.100	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0383	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	223	20.0	mg/kg dry	2	EF61511	06/15/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	7080	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	877	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	8180	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		60.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		64.0 %	70-130		"	"	"	"	S-06
B 19 E (6F13019-50) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0385	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0823	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0577	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	476	20.0	mg/kg dry	2	EF61511	06/15/06	06/15/06	EPA 8015M	
Carbon Ranges C12-C28	13100	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	2540	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	16100	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		52.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		54.0 %	70-130		"	"	"	"	S-06

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Page 16 of 40

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 15 A (6F13019-51) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [5.23]	10.0	mg/kg dry	1	EF61511	06/15/06	06/16/06	EPA 8015M	J
Carbon Ranges C12-C28	105	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	22.5	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	128	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		109 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		113 %	70-130		"	"	"	"	
B 15 B (6F13019-52) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	10.1	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	298	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	50.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	358	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		136 %	70-130		"	"	"	"	S-04
Surrogate: 1-Chlorooctadecane		142 %	70-130		"	"	"	"	S-04
B 15 C (6F13019-53) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	

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Page 17 of 40

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Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 15 C (6F13019-53) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		113 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		120 %	70-130		"	"	"	"	
B 15 D (6F13019-54) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	J [9.32]	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	J
Carbon Ranges C12-C28	551	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	70.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	622	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	
B 15 E (6F13019-55) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0264	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	288	20.0	mg/kg dry	2	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	9320	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	1290	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	10900	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		60.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		53.8 %	70-130		"	"	"	"	S-06

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Page 18 of 40

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**Organics by GC
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 16 A (6F13019-56) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	102	20.0	mg/kg dry	2	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	5340	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	914	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	6360	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		54.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		57.4 %	70-130		"	"	"	"	S-06
B 16 B (6F13019-57) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/17/06	EPA 8021B	
Toluene	0.0769	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.151	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.377	0.0250	"	"	"	"	"	"	
Xylene (o)	0.218	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		140 %	80-120		"	"	"	"	S-04
Carbon Ranges C6-C12	609	20.0	mg/kg dry	2	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	4830	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	582	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	6020	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		58.2 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		56.4 %	70-130		"	"	"	"	S-06
B 16 C (6F13019-58) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	

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Page 19 of 40

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 16 C (6F13019-58) Soil									
Carbon Ranges C12-C28	44.3	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	44.3	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		117 %	70-130		"	"	"	"	
B 16 D (6F13019-59) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/16/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.8 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.0 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	11.9	10.0	mg/kg dry	1	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	352	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	35.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	399	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		143 %	70-130		"	"	"	"	S-04
<i>Surrogate: 1-Chlorooctadecane</i>		152 %	70-130		"	"	"	"	S-04
B 16 E (6F13019-60) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF61606	06/16/06	06/17/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	32.0	20.0	mg/kg dry	2	EF61425	06/14/06	06/16/06	EPA 8015M	
Carbon Ranges C12-C28	3520	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	661	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	4210	20.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		54.4 %	70-130		"	"	"	"	S-06
<i>Surrogate: 1-Chlorooctadecane</i>		62.4 %	70-130		"	"	"	"	S-06

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Page 20 of 40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W27- A (6F13019-01) Soil									
% Moisture	0.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W27- B (6F13019-02) Soil									
% Moisture	0.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W27- C (6F13019-03) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W27- D (6F13019-04) Soil									
% Moisture	0.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W28- A (6F13019-05) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W28- B (6F13019-06) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W28- C (6F13019-07) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W28- D (6F13019-08) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W29- A (6F13019-09) Soil									
% Moisture	19.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W29- B (6F13019-10) Soil									
% Moisture	0.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W29- C (6F13019-11) Soil									
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	

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Page 21 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W29- D (6F13019-12) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W30- A (6F13019-13) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W30- B (6F13019-14) Soil									
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W30- C (6F13019-15) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W30- D (6F13019-16) Soil									
% Moisture	18.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W31- A (6F13019-17) Soil									
% Moisture	0.7	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W31- B (6F13019-18) Soil									
% Moisture	21.0	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W31- C (6F13019-19) Soil									
% Moisture	0.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W31- D (6F13019-20) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W32- A (6F13019-21) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W32- B (6F13019-22) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	

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Page 22 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W32- C (6F13019-23) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W32- D (6F13019-24) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W33- A (6F13019-25) Soil									
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W33- B (6F13019-26) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W33- C (6F13019-27) Soil									
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W33- D (6F13019-28) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W34- A (6F13019-29) Soil									
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W34- B (6F13019-30) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W34- C (6F13019-31) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
W34- D (6F13019-32) Soil									
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
4pt Comp. W-27 (6F13019-33) Soil									
Chloride	42.8	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	1960	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	

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Page 23 of 40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt Comp. W-28 (6F13019-34) Soil									
Chloride	28.5	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	ND	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-29 (6F13019-35) Soil									
Chloride	31.8	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	53.6	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-30 (6F13019-36) Soil									
Chloride	18.9	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	50.2	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-31 (6F13019-37) Soil									
Chloride	13.5	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	52.7	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-32 (6F13019-38) Soil									
Chloride	68.0	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	50.7	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-33 (6F13019-39) Soil									
Chloride	15.0	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	60.5	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	
4pt Comp. W-34 (6F13019-40) Soil									
Chloride	18.2	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	62.6	10.0	mg/kg dry	10	EF61405	06/14/06	06/14/06	EPA 418.1	

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Page 24 of 40

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Project Manager: Logan Anderson

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 18 A (6F13019-41) Soil									
Chloride	225	20.0	mg/kg	40	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	18200	100	mg/kg dry	100	EF61404	06/14/06	06/14/06	EPA 418.1	
B 18 B (6F13019-42) Soil									
Chloride	42.2	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.9	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	1590	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 18 C (6F13019-43) Soil									
Chloride	33.0	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	1190	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 18 D (6F13019-44) Soil									
Chloride	162	20.0	mg/kg	40	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	401	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 18 E (6F13019-45) Soil									
Chloride	135	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	1490	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 19 A (6F13019-46) Soil									
Chloride	963	20.0	mg/kg	40	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	4.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	37800	100	mg/kg dry	100	EF61404	06/14/06	06/14/06	EPA 418.1	
B 19 B (6F13019-47) Soil									
Chloride	107	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.8	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	369	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	

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Page 25 of 40

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Project: Maralo
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Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 19 C (6F13019-48) Soil									
Chloride	304	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	5.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	12300	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 19 D (6F13019-49) Soil									
Chloride	213	20.0	mg/kg	40	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	5.6	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	25100	50.0	mg/kg dry	50	EF61404	06/14/06	06/14/06	EPA 418.1	
B 19 E (6F13019-50) Soil									
Chloride	64.6	10.0	mg/kg	20	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	1.0	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	52800	100	mg/kg dry	100	EF61404	06/14/06	06/14/06	EPA 418.1	
B 15 A (6F13019-51) Soil									
Chloride	23.0	5.00	mg/kg	10	EF61427	06/14/06	06/14/06	EPA 300.0	
% Moisture	0.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	202	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 15 B (6F13019-52) Soil									
Chloride	14.4	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.3	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	702	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 15 C (6F13019-53) Soil									
Chloride	13.5	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	84.0	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 15 D (6F13019-54) Soil									
Chloride	31.4	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	1050	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	

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Page 26 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B 15 E (6F13019-55) Soil									
Chloride	60.7	25.0	mg/kg	50	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	1.1	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	20000	100	mg/kg dry	100	EF61404	06/14/06	06/14/06	EPA 418.1	
B 16 A (6F13019-56) Soil									
Chloride	28.9	10.0	mg/kg	20	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	12400	50.0	mg/kg dry	50	EF61404	06/14/06	06/14/06	EPA 418.1	
B 16 B (6F13019-57) Soil									
Chloride	13.8	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	4.4	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	14400	50.0	mg/kg dry	50	EF61404	06/14/06	06/14/06	EPA 418.1	
B 16 C (6F13019-58) Soil									
Chloride	96.1	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	136	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 16 D (6F13019-59) Soil									
Chloride	58.7	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.2	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	742	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	
B 16 E (6F13019-60) Soil									
Chloride	25.9	5.00	mg/kg	10	EF61430	06/15/06	06/17/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EF61501	06/14/06	06/15/06	% calculation	
TPH 418.1	8070	10.0	mg/kg dry	10	EF61404	06/14/06	06/14/06	EPA 418.1	

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Page 27 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61422 - EPA 5030C (GC)										
Blank (EF61422-BLK1)										
Prepared: 06/14/06 Analyzed: 06/15/06										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	35.0		ug/kg	40.0		87.5	80-120			
Surrogate: 4-Bromofluorobenzene	32.7		"	40.0		81.8	80-120			
LCS (EF61422-BS1)										
Prepared: 06/14/06 Analyzed: 06/16/06										
Benzene	1.08	0.0250	mg/kg wet	1.25		86.4	80-120			
Toluene	1.06	0.0250	"	1.25		84.8	80-120			
Ethylbenzene	1.05	0.0250	"	1.25		84.0	80-120			
Xylene (p/m)	2.01	0.0250	"	2.50		80.4	80-120			
Xylene (o)	1.10	0.0250	"	1.25		88.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.5		ug/kg	40.0		88.8	80-120			
Surrogate: 4-Bromofluorobenzene	32.5		"	40.0		81.2	80-120			
Calibration Check (EF61422-CCV1)										
Prepared: 06/14/06 Analyzed: 06/16/06										
Benzene	50.1		ug/kg	50.0		100	80-120			
Toluene	47.8		"	50.0		95.6	80-120			
Ethylbenzene	44.8		"	50.0		89.6	80-120			
Xylene (p/m)	91.9		"	100		91.9	80-120			
Xylene (o)	49.9		"	50.0		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.1		"	40.0		82.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.3		"	40.0		90.8	80-120			
Matrix Spike (EF61422-MS1)										
Source: 6F13019-12 Prepared: 06/14/06 Analyzed: 06/16/06										
Benzene	1.17	0.0250	mg/kg dry	1.25	ND	93.6	80-120			
Toluene	1.21	0.0250	"	1.25	ND	96.8	80-120			
Ethylbenzene	1.12	0.0250	"	1.25	ND	89.6	80-120			
Xylene (p/m)	2.29	0.0250	"	2.51	ND	91.2	80-120			
Xylene (o)	1.25	0.0250	"	1.25	ND	100	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	38.7		"	40.0		96.8	80-120			

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Page 28 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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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
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Batch EF61422 - EPA 5030C (GC)

Matrix Spike Dup (EF61422-MSD1)

Source: 6F13019-12

Prepared: 06/14/06 Analyzed: 06/16/06

Benzene	1.16	0.0250	mg/kg dry	1.25	ND	92.8	80-120	0.858	20	
Toluene	1.10	0.0250	"	1.25	ND	88.0	80-120	9.52	20	
Ethylbenzene	1.04	0.0250	"	1.25	ND	83.2	80-120	7.41	20	
Xylene (p/m)	2.12	0.0250	"	2.51	ND	84.5	80-120	7.63	20	
Xylene (o)	1.16	0.0250	"	1.25	ND	92.8	80-120	7.47	20	
Surrogate: a,a,a-Trifluorotoluene	34.9		ug/kg	40.0		87.2	80-120			
Surrogate: 4-Bromofluorobenzene	33.8		"	40.0		84.5	80-120			

Batch EF61425 - Solvent Extraction (GC)

Blank (EF61425-BLK1)

Prepared: 06/14/06 Analyzed: 06/15/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	63.5		mg/kg	50.0		127	70-130			
Surrogate: 1-Chlorooctadecane	64.9		"	50.0		130	70-130			

LCS (EF61425-BS1)

Prepared: 06/14/06 Analyzed: 06/15/06

Carbon Ranges C6-C12	520	10.0	mg/kg wet	500		104	75-125			
Carbon Ranges C12-C28	485	10.0	"	500		97.0	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1000	10.0	"	1000		100	75-125			
Surrogate: 1-Chlorooctane	60.8		mg/kg	50.0		122	70-130			
Surrogate: 1-Chlorooctadecane	57.3		"	50.0		115	70-130			

Calibration Check (EF61425-CCV1)

Prepared: 06/14/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	214		mg/kg	250		85.6	80-120			
Carbon Ranges C12-C28	290		"	250		116	80-120			
Total Hydrocarbon nC6-nC35	504		"	500		101	80-120			
Surrogate: 1-Chlorooctane	62.4		"	50.0		125	70-130			
Surrogate: 1-Chlorooctadecane	57.4		"	50.0		115	70-130			

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Page 29 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61425 - Solvent Extraction (GC)

Matrix Spike (EF61425-MS1)

Source: 6F13019-53

Prepared: 06/14/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	499	10.0	mg/kg dry	501	ND	99.6	75-125			
Carbon Ranges C12-C28	543	10.0	"	501	ND	108	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1040	10.0	"	1000	ND	104	75-125			
Surrogate: 1-Chlorooctane	83.6		mg/kg	100		83.6	70-130			
Surrogate: 1-Chlorooctadecane	84.8		"	100		84.8	70-130			

Matrix Spike Dup (EF61425-MSD1)

Source: 6F13019-53

Prepared: 06/14/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	499	10.0	mg/kg dry	501	ND	99.6	75-125	0.00	20	
Carbon Ranges C12-C28	546	10.0	"	501	ND	109	75-125	0.551	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1050	10.0	"	1000	ND	105	75-125	0.957	20	
Surrogate: 1-Chlorooctane	83.7		mg/kg	100		83.7	70-130			
Surrogate: 1-Chlorooctadecane	85.0		"	100		85.0	70-130			

Batch EF61426 - Solvent Extraction (GC)

Blank (EF61426-BLK1)

Prepared: 06/14/06 Analyzed: 06/15/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	64.2		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	64.8		"	50.0		130	70-130			

LCS (EF61426-BS1)

Prepared: 06/14/06 Analyzed: 06/15/06

Carbon Ranges C6-C12	540	10.0	mg/kg wet	500		108	75-125			
Carbon Ranges C12-C28	574	10.0	"	500		115	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1110	10.0	"	1000		111	75-125			
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0		93.8	70-130			
Surrogate: 1-Chlorooctadecane	44.5		"	50.0		89.0	70-130			

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Page 30 of 40

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF61426 - Solvent Extraction (GC)

Calibration Check (EF61426-CCV1)

Prepared: 06/14/06 Analyzed: 06/15/06

Carbon Ranges C6-C12	209		mg/kg	250		83.6	80-120		
Carbon Ranges C12-C28	278		"	250		111	80-120		
Total Hydrocarbon nC6-nC35	486		"	500		97.2	80-120		
Surrogate: 1-Chlorooctane	59.5		"	50.0		119	70-130		
Surrogate: 1-Chlorooctadecane	55.5		"	50.0		111	70-130		

Matrix Spike (EF61426-MS1)

Source: 6F13019-36

Prepared: 06/14/06 Analyzed: 06/15/06

Carbon Ranges C6-C12	496	10.0	mg/kg dry	501	ND	99.0	75-125		
Carbon Ranges C12-C28	535	10.0	"	501	ND	107	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000	ND	103	75-125		
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	70-130		
Surrogate: 1-Chlorooctadecane	48.7		"	50.0		97.4	70-130		

Matrix Spike Dup (EF61426-MSD1)

Source: 6F13019-36

Prepared: 06/14/06 Analyzed: 06/15/06

Carbon Ranges C6-C12	496	10.0	mg/kg dry	501	ND	99.0	75-125	0.00	20
Carbon Ranges C12-C28	535	10.0	"	501	ND	107	75-125	0.00	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000	ND	103	75-125	0.00	20
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	70-130		
Surrogate: 1-Chlorooctadecane	48.3		"	50.0		96.6	70-130		

Batch EF61511 - Solvent Extraction (GC)

Blank (EF61511-BLK1)

Prepared: 06/15/06 Analyzed: 06/16/06

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 nC6-nC35	ND	10.0	"						
Surrogate: 1-Chlorooctane	64.2		mg/kg	50.0		128	70-130		
Surrogate: 1-Chlorooctadecane	64.1		"	50.0		128	70-130		

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Page 31 of 40

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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch EF61511 - Solvent Extraction (GC)

LCS (EF61511-BS1)

Prepared: 06/15/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	515	10.0	mg/kg wet	500		103	75-125		
Carbon Ranges C12-C28	480	10.0	"	500		96.0	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125		
Total Hydrocarbon nC6-nC35	995	10.0	"	1000		99.5	75-125		
Surrogate: 1-Chlorooctane	60.9		mg/kg	50.0		122	70-130		
Surrogate: 1-Chlorooctadecane	57.0		"	50.0		114	70-130		

Calibration Check (EF61511-CCV1)

Prepared: 06/15/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	211		mg/kg	250		84.4	80-120		
Carbon Ranges C12-C28	261		"	250		104	80-120		
Total Hydrocarbon nC6-nC35	472		"	500		94.4	80-120		
Surrogate: 1-Chlorooctane	61.8		"	50.0		124	70-130		
Surrogate: 1-Chlorooctadecane	58.5		"	50.0		117	70-130		

Matrix Spike (EF61511-MS1)

Source: 6F14016-01

Prepared: 06/15/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	579	10.0	mg/kg dry	564	6.89	101	75-125		
Carbon Ranges C12-C28	574	10.0	"	564	46.9	93.5	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		
Total Hydrocarbon nC6-nC35	1150	10.0	"	1130	46.9	97.6	75-125		
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	70-130		
Surrogate: 1-Chlorooctadecane	54.1		"	50.0		108	70-130		

Matrix Spike Dup (EF61511-MSD1)

Source: 6F14016-01

Prepared: 06/15/06 Analyzed: 06/16/06

Carbon Ranges C6-C12	599	10.0	mg/kg dry	564	6.89	105	75-125	3.40	20
Carbon Ranges C12-C28	592	10.0	"	564	46.9	96.6	75-125	3.09	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbon nC6-nC35	1190	10.0	"	1130	46.9	101	75-125	3.42	20
Surrogate: 1-Chlorooctane	64.1		mg/kg	50.0		128	70-130		
Surrogate: 1-Chlorooctadecane	54.9		"	50.0		110	70-130		

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Page 32 of 40

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61601 - EPA 5030C (GC)

Blank (EF61601-BLK1)

Prepared: 06/15/06 Analyzed: 06/16/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	32.9		ug/kg	40.0		82.2	80-120			
Surrogate: 4-Bromofluorobenzene	32.6		"	40.0		81.5	80-120			

LCS (EF61601-BS1)

Prepared: 06/15/06 Analyzed: 06/16/06

Benzene	1.16	0.0250	mg/kg wet	1.25		92.8	80-120			
Toluene	1.24	0.0250	"	1.25		99.2	80-120			
Ethylbenzene	1.09	0.0250	"	1.25		87.2	80-120			
Xylene (p/m)	2.50	0.0250	"	2.50		100	80-120			
Xylene (o)	1.31	0.0250	"	1.25		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.9		ug/kg	40.0		89.8	80-120			
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	80-120			

Calibration Check (EF61601-CCV1)

Prepared: 06/15/06 Analyzed: 06/16/06

Benzene	42.3		ug/kg	50.0		84.6	80-120			
Toluene	44.7		"	50.0		89.4	80-120			
Ethylbenzene	42.8		"	50.0		85.6	80-120			
Xylene (p/m)	87.6		"	100		87.6	80-120			
Xylene (o)	47.8		"	50.0		95.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.4		"	40.0		81.0	80-120			
Surrogate: 4-Bromofluorobenzene	36.6		"	40.0		91.5	80-120			

Matrix Spike (EF61601-MS1)

Source: 6F13019-31

Prepared: 06/15/06 Analyzed: 06/16/06

Benzene	1.14	0.0250	mg/kg dry	1.25	ND	91.2	80-120			
Toluene	1.13	0.0250	"	1.25	ND	90.4	80-120			
Ethylbenzene	1.08	0.0250	"	1.25	ND	86.4	80-120			
Xylene (p/m)	2.37	0.0250	"	2.50	ND	94.8	80-120			
Xylene (o)	1.26	0.0250	"	1.25	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.9		ug/kg	40.0		84.8	80-120			
Surrogate: 4-Bromofluorobenzene	41.7		"	40.0		104	80-120			

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Page 33 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61601 - EPA 5030C (GC)

Matrix Spike Dup (EF61601-MSD1)

Source: 6F13019-31

Prepared: 06/15/06 Analyzed: 06/16/06

Benzene	1.24	0.0250	mg/kg dry	1.25	ND	99.2	80-120	8.40	20	
Toluene	1.20	0.0250	"	1.25	ND	96.0	80-120	6.01	20	
Ethylbenzene	1.13	0.0250	"	1.25	ND	90.4	80-120	4.52	20	
Xylene (p/m)	2.34	0.0250	"	2.50	ND	93.6	80-120	1.27	20	
Xylene (o)	1.27	0.0250	"	1.25	ND	102	80-120	0.985	20	
Surrogate: a,a,a-Trifluorotoluene	42.1		ug/kg	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	40.1		"	40.0		100	80-120			

Batch EF61606 - EPA 5030C (GC)

Blank (EF61606-BLK1)

Prepared & Analyzed: 06/16/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	33.3		ug/kg	40.0		83.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.7		"	40.0		86.8	80-120			

LCS (EF61606-BS1)

Prepared & Analyzed: 06/16/06

Benzene	1.15	0.0250	mg/kg wet	1.25		92.0	80-120			
Toluene	1.15	0.0250	"	1.25		92.0	80-120			
Ethylbenzene	1.34	0.0250	"	1.25		107	80-120			
Xylene (p/m)	2.41	0.0250	"	2.50		96.4	80-120			
Xylene (o)	1.28	0.0250	"	1.25		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.8		ug/kg	40.0		92.0	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120			

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Page 34 of 40

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF61606 - EPA 5030C (GC)									
Calibration Check (EF61606-CCV1)				Prepared: 06/16/06 Analyzed: 06/17/06					
Benzene	49.0		ug/kg	50.0		98.0	80-120		
Toluene	56.3		"	50.0		113	80-120		
Ethylbenzene	59.5		"	50.0		119	80-120		
Xylene (p/m)	117		"	100		117	80-120		
Xylene (o)	59.5		"	50.0		119	80-120		
Surrogate: a,a,a-Trifluorotoluene	36.4		"	40.0		91.0	80-120		
Surrogate: 4-Bromofluorobenzene	44.1		"	40.0		110	80-120		
Matrix Spike (EF61606-MS1)				Source: 6F13019-43 Prepared & Analyzed: 06/16/06					
Benzene	1.28	0.0250	mg/kg dry	1.27	ND	101	80-120		
Toluene	1.35	0.0250	"	1.27	ND	106	80-120		
Ethylbenzene	1.29	0.0250	"	1.27	ND	102	80-120		
Xylene (p/m)	2.86	0.0250	"	2.54	ND	113	80-120		
Xylene (o)	1.48	0.0250	"	1.27	ND	117	80-120		
Surrogate: a,a,a-Trifluorotoluene	36.1		ug/kg	40.0		90.2	80-120		
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120		
Matrix Spike Dup (EF61606-MSD1)				Source: 6F13019-43 Prepared: 06/16/06 Analyzed: 06/17/06					
Benzene	1.28	0.0250	mg/kg dry	1.27	ND	101	80-120	0.00	20
Toluene	1.33	0.0250	"	1.27	ND	105	80-120	0.948	20
Ethylbenzene	1.26	0.0250	"	1.27	ND	99.2	80-120	2.78	20
Xylene (p/m)	2.78	0.0250	"	2.54	ND	109	80-120	3.60	20
Xylene (o)	1.41	0.0250	"	1.27	ND	111	80-120	5.26	20
Surrogate: a,a,a-Trifluorotoluene	37.7		ug/kg	40.0		94.2	80-120		
Surrogate: 4-Bromofluorobenzene	39.9		"	40.0		99.8	80-120		

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Page 35 of 40

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P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61404 - 418.1										
Blank (EF61404-BLK1)				Prepared & Analyzed: 06/14/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF61404-CCV1)				Prepared & Analyzed: 06/14/06						
TPH 418.1	4710		mg/kg	5010		94.0	80-120			
Matrix Spike (EF61404-MS1)				Source: 6F13019-42		Prepared & Analyzed: 06/14/06				
TPH 418.1	3980	10.0	mg/kg dry	2530	1590	94.5	80-120			
Matrix Spike Dup (EF61404-MSD1)				Source: 6F13019-42		Prepared & Analyzed: 06/14/06				
TPH 418.1	3860	10.0	mg/kg dry	2530	1590	89.7	80-120	3.06	20	
Batch EF61405 - 418.1										
Blank (EF61405-BLK1)				Prepared & Analyzed: 06/14/06						
TPH 418.1	ND	10.0	mg/kg wet							
Calibration Check (EF61405-CCV1)				Prepared & Analyzed: 06/14/06						
TPH 418.1	5010		mg/kg	4990		100	80-120			
Matrix Spike (EF61405-MS1)				Source: 6F13019-33		Prepared & Analyzed: 06/14/06				
TPH 418.1	4190	10.0	mg/kg dry	2510	1960	88.8	80-120			
Matrix Spike Dup (EF61405-MSD1)				Source: 6F13019-33		Prepared & Analyzed: 06/14/06				
TPH 418.1	4180	10.0	mg/kg dry	2510	1960	88.4	80-120	0.239	20	
Batch EF61427 - General Preparation (WetChem)										
Blank (EF61427-BLK1)				Prepared & Analyzed: 06/14/06						
Chloride	ND	0.500	mg/kg							

Elke Environmental
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Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61427 - General Preparation (WetChem)										
LCS (EF61427-BS1)				Prepared & Analyzed: 06/14/06						
Chloride	10.3	0.500	mg/kg	10.0		103	80-120			
Calibration Check (EF61427-CCV1)				Prepared & Analyzed: 06/14/06						
Chloride	11.7		mg/L	10.0		117	80-120			
Duplicate (EF61427-DUP1)				Source: 6F13019-41		Prepared & Analyzed: 06/14/06				
Chloride	225	20.0	mg/kg		225			0.00	20	
Duplicate (EF61427-DUP2)				Source: 6F13019-49		Prepared & Analyzed: 06/14/06				
Chloride	216	20.0	mg/kg		213			1.40	20	
Matrix Spike (EF61427-MS1)				Source: 6F13019-41		Prepared & Analyzed: 06/14/06				
Chloride	614	20.0	mg/kg	400	225	97.2	80-120			
Matrix Spike (EF61427-MS2)				Source: 6F13019-49		Prepared & Analyzed: 06/14/06				
Chloride	632	20.0	mg/kg	400	213	105	80-120			
Batch EF61430 - General Preparation (WetChem)										
Blank (EF61430-BLK1)				Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	ND	0.500	mg/kg							
LCS (EF61430-BS1)				Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	11.5	0.500	mg/kg	10.0		115	80-120			
Calibration Check (EF61430-CCV1)				Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	11.5		mg/L	10.0		115	80-120			

Environmental Lab of Texas

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.

Page 37 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61430 - General Preparation (WetChem)										
Duplicate (EF61430-DUP1)		Source: 6F13019-55		Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	60.8	25.0	mg/kg		60.7			0.165	20	
Duplicate (EF61430-DUP2)		Source: 6F15008-06		Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	4430	50.0	mg/kg		4520			2.01	20	
Matrix Spike (EF61430-MS1)		Source: 6F13019-55		Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	568	25.0	mg/kg	500	60.7	101	80-120			
Matrix Spike (EF61430-MS2)		Source: 6F15008-06		Prepared: 06/15/06 Analyzed: 06/17/06						
Chloride	5860	50.0	mg/kg	1000	4520	134	80-120			S-07
Batch EF61501 - General Preparation (Prep)										
Blank (EF61501-BLK1)		Prepared: 06/14/06 Analyzed: 06/15/06								
% Solids	100		%							
Duplicate (EF61501-DUP1)		Source: 6F14001-01		Prepared: 06/14/06 Analyzed: 06/15/06						
% Solids	94.1		%		95.0			0.952	20	
Duplicate (EF61501-DUP2)		Source: 6F13019-15		Prepared: 06/14/06 Analyzed: 06/15/06						
% Solids	99.9		%		99.8			0.100	20	
Duplicate (EF61501-DUP3)		Source: 6F13019-35		Prepared: 06/14/06 Analyzed: 06/15/06						
% Solids	99.8		%		99.6			0.201	20	
Duplicate (EF61501-DUP4)		Source: 6F13019-55		Prepared: 06/14/06 Analyzed: 06/15/06						
% Solids	99.2		%		98.9			0.303	20	

Environmental Lab of Texas

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Page 38 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF61501 - General Preparation (Prep)

Duplicate (EF61501-DUP5)

Source: 6F14007-01

Prepared: 06/14/06 Analyzed: 06/15/06

% Solids	98.2		%		98.2			0.00	20	
----------	------	--	---	--	------	--	--	------	----	--

Environmental Lab of Texas

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.

Page 39 of 40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits.

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

6/19/2006

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

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.

Page 40 of 40

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

LOGAN ANDERSON

Company Name

ELKE ENVIRONMENTAL

Company Address:

P.O. BOX 14167

City/State/Zip:

ODESSA, TX 79768

Telephone No:

432-366-0043

Fax No:

432-366-0884

Sampler Signature:

LOGAN ANDERSON

Email:

ELKEENVIR@yahoo.com

Project Name:

MARAKO

Project #:

Project Loc:

HUMBLE STATE #3

PO #:

RUSH - 72 HR

as per Logan 6-14-00

Analyze For:

TCLP:

TOTAL:

Metals: As Ag Ba Cd Cr Pb Hg Se

Anions (Cl, SO₄, CO₃, HCO₃)

Cations (Ca, Mg, Na, K)

TPH, 419, 18015M 1005 1006

Other (Specify):

Soil

Sediment

Water

Other (Specify)

None

H₂SO₄

NaOH

HCl

HNO₃

ICa

No. of Containers

Time Sampled

Date Sampled

FIELD CODE

LAB # (lab use only)

W27-A

W27-B

W27-C

W27-D

W28-A

W28-B

W28-C

W28-D

W29-A

W29-B

W29-C

W29-D

W29-E

W29-F

W29-G

W29-H

W29-I

W29-J

W29-K

W29-L

W29-M

W29-N

Special Instructions:

Sample Containers Intact?

Labels on container?

Custody Seals/Containers / Cooler

Temperature Upon Receipt:

2.0

Laboratory Comments:

see glass

Date

Time

Date

Time

Received by:

Time

Date

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Relinquished by:

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Received by ELOT:

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Environmental Lab of Texas

**12800 West I-20 East
Odessa, Texas 79765**

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No: 432-366-0043

Sampler Signature:

Email:

Project Manager: LOGAN ANDERSON

Company Name
EKKÉ EDUIRDA MENTAK

9146 XOS 04

DNESA TX 79768

Telephone No: 432-366-0043

Sampler Signature:

Email:

Project Name:

Project #:

Project Loc: Humble 57472 #3

PO #:

Fax No: 432-366-0881

Sampler Signature:

Email:

[illegible]

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-583-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Logan Anderson

Company Name

Elke Environmental

Company Address:

PO Box 14167

City/State/Zip:

Odessa, TX 79768

Telephone No:

366-0043

Fax No:

Sampler Signature:

[Signature]

Email:

Project Name:

Marab

Project #:

Project Loc:

Humble State #3

PO #:

b of 0

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	PRESERVATIVE													ANALYZE FOR:												
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify):	TPH (418.1-9015M 1005 1006)	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 9021 B0330 or BTEX 8260	RI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT				
41	B18A	6-12-06	12:20	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
42	B18B	6-12-06	12:25	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
43	B18C	6-12-06	12:30	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
44	B18D	6-12-06	12:35	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
45	B18E	6-12-06	12:40	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
46	B19A	6-12-06	12:45	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
47	B19B	6-12-06	12:50	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
48	B19C	6-12-06	12:55	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
49	B19D	6-12-06	1:00	1	X									X		X	X	X	X	X	X	X	X	X	X	X				
50	B19E	6-12-06	1:05	1	X									X		X	X	X	X	X	X	X	X	X	X	X				

Special Instructions:

Sample Containers Intact?
Labels on container?
Custody Seals: Containers Cooler
Temperature Upon Receipt:

N
N

Relinquished by:

[Signature]

Date

6-13-08

Time

2:45P

Received by:

Relinquished by:

[Signature]

Date

6-13-08

Time

2:45

Received by:

Laboratory Comments:

See glass

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Elke

Date/Time: 6/13/06 2:45

Order #: 6F13019

Initials: OK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0 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

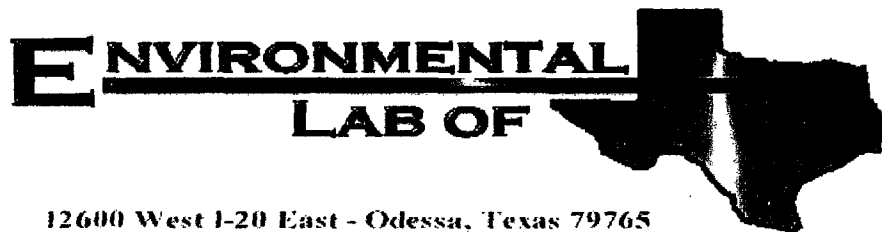
Other observations:

Variance Documentation:

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

Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3

Lab Order Number: 6F20004

Report Date: 06/22/06

2006 JUN 14 PM 1 06

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Backfill@ 11'	6F20004-01	Soil	06/20/06 10:05	06/20/06 13:24

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Backfill@ 11' (6F20004-01) Soil									
Carbon Ranges C6-C12	ND	3.00	mg/L	0.08	EF62112	06/21/06	06/21/06	1312/8015M	
Carbon Ranges C12-C28	ND	3.00	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	3.00	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	3.00	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		73.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		71.6 %	70-130		"	"	"	"	

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Backfill@ 11' (6F20004-01) Soil									
Chloride	ND	5.00	mg/L	1	EF62204	06/22/06	06/22/06	1312/9253	
% Moisture	2.2	0.1	%	"	EF62104	06/20/06	06/21/06	% calculation	

Environmental Lab of Texas

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Page 3 of 13

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

SPLP Metals 1312 by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Reporting		Units	Dilution	Batch	Extracted	Prepared	Analyzed	Method	Notes
	Result	Limit								
Backfill@ 11' (6F20004-01) Soil										
Mercury	J [0.000120]	0.000250	mg/L	1	EF62120	SPLP6/20/06	06/21/06	06/21/06	EPA 7470A	J
Chromium	J [0.00468]	0.00975	"	10	EF62123	SPLP 06/20/06	06/21/06	06/21/06	EPA 6020A	J
Arsenic	ND	0.0170	"	"	"	"	"	"	"	
Selenium	ND	0.0300	"	"	"	"	"	"	"	
Silver	ND	0.00405	"	"	"	"	"	"	"	
Cadmium	ND	0.00692	"	"	"	"	"	"	"	
Barium	0.0229	0.00489	"	"	"	"	"	"	"	
Lead	ND	0.00296	"	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 4 of 13

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

SPLP Volatile Halocarbons by EPA Method 1312/8021B

Environmental Lab of Texas

Analyte	Reporting		Units	Dilution	Batch	Extracted	Prepared	Analyzed	Method	Notes
	Result	Limit								
Backfill@ 11' (6F20004-01) Soil										
Benzene	ND	0.00100	mg/L	1	EF62109	06/20/06 SPLP	06/21/06	06/21/06	EPA 8021B	
Toluene	I [0.000663]	0.00100	"	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	"	

Environmental Lab of Texas

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Page 5 of 13

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF62112 - EPA GC 1312										
Blank (EF62112-BLK1)				Prepared & Analyzed: 06/21/06						
Carbon Ranges C6-C12	ND	3.00	mg/L							
Carbon Ranges C12-C28	ND	3.00	"							
Carbon Ranges C28-C35	ND	3.00	"							
Total Hydrocarbon nC6-nC35	ND	3.00	"							
Surrogate: 1-Chlorooctane	36.3		"	50.0		72.6	70-130			
Surrogate: 1-Chlorooctadecane	36.0		"	50.0		72.0	70-130			
LCS (EF62112-BS1)				Prepared & Analyzed: 06/21/06						
Carbon Ranges C6-C12	50.2	3.00	mg/L	50.0		100	75-125			
Carbon Ranges C12-C28	47.0	3.00	"	50.0		94.0	75-125			
Carbon Ranges C28-C35	ND	3.00	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	97.2	3.00	"	100		97.2	75-125			
Surrogate: 1-Chlorooctane	37.9		"	50.0		75.8	70-130			
Surrogate: 1-Chlorooctadecane	37.5		"	50.0		75.0	70-130			
Calibration Check (EF62112-CCV1)				Prepared & Analyzed: 06/21/06						
Carbon Ranges C6-C12	23.5		mg/L	25.0		94.0	80-120			
Carbon Ranges C12-C28	27.9		"	25.0		112	80-120			
Total Hydrocarbon nC6-nC35	51.4		"	50.0		103	80-120			
Surrogate: 1-Chlorooctane	45.5		"	50.0		91.0	70-130			
Surrogate: 1-Chlorooctadecane	41.1		"	50.0		82.2	70-130			
Matrix Spike (EF62112-MS1)				Source: 6F20004-01	Prepared & Analyzed: 06/21/06					
Carbon Ranges C6-C12	49.7	3.00	mg/L	50.0	ND	99.4	75-125			
Carbon Ranges C12-C28	47.9	3.00	"	50.0	ND	95.8	75-125			
Carbon Ranges C28-C35	ND	3.00	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	97.6	3.00	"	100	ND	97.6	75-125			
Surrogate: 1-Chlorooctane	41.1		"	50.0		82.2	70-130			
Surrogate: 1-Chlorooctadecane	35.4		"	50.0		70.8	70-130			

Environmental Lab of Texas

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Page 6 of 13

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF62112 - EPA GC 1312										
Matrix Spike Dup (EF62112-MSD1)		Source: 6F20004-01			Prepared & Analyzed: 06/21/06					
Carbon Ranges C6-C12	49.9	3.00	mg/L	50.0	ND	99.8	75-125	0.402	20	
Carbon Ranges C12-C28	47.9	3.00	"	50.0	ND	95.8	75-125	0.00	20	
Carbon Ranges C28-C35	ND	3.00	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	97.8	3.00	"	100	ND	97.8	75-125	0.205	20	
Surrogate: 1-Chlorooctane	41.3		"	50.0		82.6	70-130			
Surrogate: 1-Chlorooctadecane	35.7		"	50.0		71.4	70-130			

Environmental Lab of Texas

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.

Page 7 of 13

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF62104 - General Preparation (Prep)										
Duplicate (EF62104-DUP1)	Source: 6F19007-01		Prepared: 06/20/06 Analyzed: 06/21/06							
% Solids	92.5		%		93.1			0.647	20	
Duplicate (EF62104-DUP2)	Source: 6F20013-03		Prepared: 06/20/06 Analyzed: 06/21/06							
% Solids	97.0		%		95.0			2.08	20	
Batch EF62204 - EPA 1312/9253										
Blank (EF62204-BLK1)	Prepared & Analyzed: 06/22/06									
Chloride	0.00	5.00	mg/L							
LCS (EF62204-BS1)	Prepared & Analyzed: 06/22/06									
Chloride	103		mg/L	100		103	80-120			
LCS Dup (EF62204-BSD1)	Prepared & Analyzed: 06/22/06									
Chloride	103		mg/L	100		103	80-120	0.00	20	
Matrix Spike (EF62204-MS1)	Source: 6F20004-01		Prepared & Analyzed: 06/22/06							
Chloride	4960		mg/L	5000	ND	99.2	80-120			
Reference (EF62204-SRM1)	Prepared & Analyzed: 06/22/06									
Chloride	4700		mg/L	5000		94.0	80-120			

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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SPLP Metals 1312 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 EF62120 - EPA 1312/7470										
Blank (EF62120-BLK1)				Prepared & Analyzed: 06/21/06						
Mercury	ND	0.000250	mg/L							
LCS (EF62120-BS1)				Prepared & Analyzed: 06/21/06						
Mercury	0.00115	0.000250	mg/L	0.00100		115	85-115			
LCS Dup (EF62120-BSD1)				Prepared & Analyzed: 06/21/06						
Mercury	0.00111	0.000250	mg/L	0.00100		111	85-115	3.54	20	
Calibration Check (EF62120-CCV1)				Prepared & Analyzed: 06/21/06						
Mercury	0.00109		mg/L	0.00100		109	90-110			
Matrix Spike (EF62120-MS1)		Source: 6F20004-01		Prepared & Analyzed: 06/21/06						
Mercury	0.00111	0.000250	mg/L	0.00100	0.000120	99.0	75-125			
Batch EF62123 - EPA 1312/3005										
Blank (EF62123-BLK1)				Prepared & Analyzed: 06/21/06						
Chromium	ND	0.000975	mg/L							
Arsenic	ND	0.00170	"							
Selenium	ND	0.00300	"							
Silver	ND	0.000405	"							
Cadmium	ND	0.000692	"							
Barium	ND	0.000489	"							
Lead	ND	0.000296	"							
LCS (EF62123-BS1)				Prepared & Analyzed: 06/21/06						
Chromium	0.198	0.000975	mg/L	0.200		99.0	85-115			
Arsenic	0.847	0.00170	"	0.800		106	85-115			
Selenium	0.449	0.00300	"	0.400		112	85-115			
Silver	0.105	0.000405	"	0.100		105	85-115			
Cadmium	0.208	0.000692	"	0.200		104	85-115			
Barium	0.219	0.000489	"	0.200		110	85-115			
Lead	1.14	0.000296	"	1.10		104	85-115			

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Page 9 of 13

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SPLP Metals 1312 by EPA / Standard Methods - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF62123 - EPA 1312/3005

LCS Dup (EF62123-BSD1)

Prepared & Analyzed: 06/21/06

Chromium	0.198	0.000975	mg/L	0.200		99.0	85-115	0.00	20	
Arsenic	0.857	0.00170	"	0.800		107	85-115	1.17	20	
Selenium	0.449	0.00300	"	0.400		112	85-115	0.00	20	
Silver	0.107	0.000405	"	0.100		107	85-115	1.89	20	
Cadmium	0.208	0.000692	"	0.200		104	85-115	0.00	20	
Barium	0.215	0.000489	"	0.200		108	85-115	1.84	20	
Lead	1.15	0.000296	"	1.10		105	85-115	0.873	20	

Calibration Check (EF62123-CCV1)

Prepared & Analyzed: 06/21/06

Chromium	0.0470		mg/L	0.0500		94.0	90-110			
Arsenic	0.0504		"	0.0500		101	90-110			
Selenium	0.0513		"	0.0500		103	90-110			
Silver	0.0504		"	0.0500		101	90-110			
Cadmium	0.0495		"	0.0500		99.0	90-110			
Barium	0.0507		"	0.0500		101	90-110			
Lead	0.0502		"	0.0500		100	90-110			

Matrix Spike (EF62123-MS1)

Source: 6F20004-01

Prepared & Analyzed: 06/21/06

Chromium	0.185	0.00975	mg/L	0.200	0.00468	90.2	75-125			
Arsenic	0.787	0.0170	"	0.800	ND	98.4	75-125			
Selenium	0.403	0.0300	"	0.400	ND	101	75-125			
Silver	0.119	0.00405	"	0.100	ND	119	75-125			
Cadmium	0.192	0.00692	"	0.200	ND	96.0	75-125			
Barium	0.232	0.00489	"	0.200	0.0229	105	75-125			
Lead	1.04	0.00296	"	1.10	ND	94.5	75-125			

Matrix Spike Dup (EF62123-MSD1)

Source: 6F20004-01

Prepared & Analyzed: 06/21/06

Chromium	0.185	0.00975	mg/L	0.200	0.00468	90.2	75-125	0.00	20	
Arsenic	0.796	0.0170	"	0.800	ND	99.5	75-125	1.14	20	
Selenium	0.417	0.0300	"	0.400	ND	104	75-125	3.41	20	
Silver	0.116	0.00405	"	0.100	ND	116	75-125	2.55	20	
Cadmium	0.193	0.00692	"	0.200	ND	96.5	75-125	0.519	20	
Barium	0.232	0.00489	"	0.200	0.0229	105	75-125	0.00	20	
Lead	1.04	0.00296	"	1.10	ND	94.5	75-125	0.00	20	

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Page 10 of 13

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Project Manager: Logan Anderson

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SPLP Volatile Halocarbons by EPA Method 1312/8021B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62109 - EPA GC 1312										
Blank (EF62109-BLK1)										
Prepared & Analyzed: 06/21/06										
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	45.8		ug/kg	40.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	37.6		"	40.0		94.0	80-120			
LCS (EF62109-BS1)										
Prepared & Analyzed: 06/21/06										
Benzene	0.0523	0.00100	mg/L	0.0500		105	80-120			
Toluene	0.0568	0.00100	"	0.0500		114	80-120			
Ethylbenzene	0.0548	0.00100	"	0.0500		110	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0582	0.00100	"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.8		ug/kg	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	80-120			
Calibration Check (EF62109-CCV1)										
Prepared & Analyzed: 06/21/06										
Benzene	53.5		ug/kg	50.0		107	80-120			
Toluene	58.0		"	50.0		116	80-120			
Ethylbenzene	55.2		"	50.0		110	80-120			
Xylene (p/m)	115		"	100		115	80-120			
Xylene (o)	57.0		"	50.0		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.1		"	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	40.7		"	40.0		102	80-120			
Matrix Spike (EF62109-MS1)										
Source: 6F20004-01 Prepared & Analyzed: 06/21/06										
Benzene	0.0533	0.00100	mg/L	0.0500	ND	107	80-120			
Toluene	0.0585	0.00100	"	0.0500	0.000663	116	80-120			
Ethylbenzene	0.0516	0.00100	"	0.0500	ND	103	80-120			
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120			
Xylene (o)	0.0586	0.00100	"	0.0500	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.4		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	80-120			

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Page 11 of 13

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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SPLP Volatile Halocarbons by EPA Method 1312/8021B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62109 - EPA GC 1312										
Matrix Spike Dup (EF62109-MSD1)		Source: 6F20004-01			Prepared & Analyzed: 06/21/06					
Benzene	0.0496	0.00100	mg/L	0.0500	ND	99.2	80-120	7.57	20	
Toluene	0.0558	0.00100	"	0.0500	0.000663	110	80-120	5.31	20	
Ethylbenzene	0.0526	0.00100	"	0.0500	ND	105	80-120	1.92	20	
Xylene (p/m)	0.114	0.00100	"	0.100	ND	114	80-120	5.13	20	
Xylene (o)	0.0564	0.00100	"	0.0500	ND	113	80-120	3.48	20	
Surrogate: a,a,a-Trifluorotoluene	40.5		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120			

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Page 12 of 13

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Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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:

6/22/2006

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.

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Page 13 of 13

Client: EKA, ENW.
Date/Time: 6/20/06 13:24
Order #: 6F20004
Initials: CK

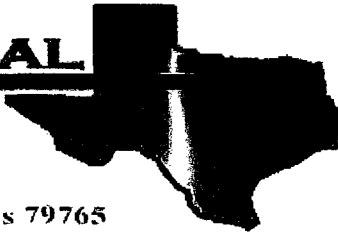
Temperature of container/cooler?	Yes	No	5.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of 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:

E NVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Logan Anderson

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Maralo

Project Number: None Given

Location: Humble State #3 Tank Batt.

Lab Order Number: 6G11002

Report Date: 07/13/06

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W43A	6G11002-01	Soil	07/10/06 07:00	07/11/06 08:20
W43B	6G11002-02	Soil	07/10/06 07:10	07/11/06 08:20
W43C	6G11002-03	Soil	07/10/06 07:20	07/11/06 08:20
W43D	6G11002-04	Soil	07/10/06 07:30	07/11/06 08:20
4pt Comp. Wall 43	6G11002-05	Soil	07/10/06 07:35	07/11/06 08:20
W44A	6G11002-06	Soil	07/10/06 07:40	07/11/06 08:20
W44B	6G11002-07	Soil	07/10/06 07:50	07/11/06 08:20
W44C	6G11002-08	Soil	07/10/06 08:00	07/11/06 08:20
W44D	6G11002-09	Soil	07/10/06 08:10	07/11/06 08:20
4pt Comp. Wall 44	6G11002-10	Soil	07/10/06 08:15	07/11/06 08:20
W45A	6G11002-11	Soil	07/10/06 08:20	07/11/06 08:20
W45B	6G11002-12	Soil	07/10/06 08:30	07/11/06 08:20
W45C	6G11002-13	Soil	07/10/06 08:40	07/11/06 08:20
W45D	6G11002-14	Soil	07/10/06 08:50	07/11/06 08:20
4pt Comp. Wall 45	6G11002-15	Soil	07/10/06 08:55	07/11/06 08:20
W46A	6G11002-16	Soil	07/10/06 09:00	07/11/06 08:20
W46B	6G11002-17	Soil	07/10/06 09:10	07/11/06 08:20
W46C	6G11002-18	Soil	07/10/06 09:20	07/11/06 08:20
W46D	6G11002-19	Soil	07/10/06 09:30	07/11/06 08:20
4pt Comp. Wall 46	6G11002-20	Soil	07/10/06 09:35	07/11/06 08:20
B21 A	6G11002-21	Soil	07/10/06 09:40	07/11/06 08:20
B21 B	6G11002-22	Soil	07/10/06 09:50	07/11/06 08:20
B21 C	6G11002-23	Soil	07/10/06 10:00	07/11/06 08:20
B21 D	6G11002-24	Soil	07/10/06 10:10	07/11/06 08:20
B21 E	6G11002-25	Soil	07/10/06 10:20	07/11/06 08:20

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W43A (6G11002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	80-120		"	"	"	"	
W43B (6G11002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0215]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0278	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0205]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		99.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-120		"	"	"	"	
W43C (6G11002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0296	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0336	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0172]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		82.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		"	"	"	"	
W43D (6G11002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0164]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		"	"	"	"	

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Page 2 of 18

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Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4pt Comp. Wall 43 (6G11002-05) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	88.6	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	18.7	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	107	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.6 %		70-130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.6 %		70-130	"	"	"	"	
W44A (6G11002-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/11/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		80.2 %		80-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %		80-120	"	"	"	"	
W44B (6G11002-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.2 %		80-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %		80-120	"	"	"	"	
W44C (6G11002-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %		80-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %		80-120	"	"	"	"	

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Page 3 of 18

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W44D (6G11002-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.2 %	80-120		"	"	"	"	
4pt Comp. Wall 44 (6G11002-10) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		76.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		80.4 %	70-130		"	"	"	"	
W45A (6G11002-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	
W45B (6G11002-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		"	"	"	"	

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Page 4 of 18

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W45C (6G11002-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	80-120		"	"	"	"	
W45D (6G11002-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
4pt Comp. Wall 45 (6G11002-15) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	30.4	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [6.04]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	30.4	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		83.0 %	70-130		"	"	"	"	
W46A (6G11002-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	80-120		"	"	"	"	

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Page 5 of 18

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Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W46B (6G11002-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
W46C (6G11002-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	80-120		"	"	"	"	
W46D (6G11002-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
4pt Comp. Wall 46 (6G11002-20) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	83.5	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	16.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	99.6	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		85.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.0 %	70-130		"	"	"	"	

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Page 6 of 18

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Project: Maralo
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Project Manager: Logan Anderson

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B21 A (6G11002-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61108	07/11/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		87.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	34.1	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	34.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		85.2 %	70-130		"	"	"	"	
B21 B (6G11002-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	80.9	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	13.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	93.9	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		75.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		79.0 %	70-130		"	"	"	"	
B21 C (6G11002-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	

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Page 7 of 18

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Project: Maralo
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Project Manager: Logan Anderson

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Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B21 C (6G11002-23) Soil									
Carbon Ranges C12-C28	134	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C28-C35	40.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	174	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		85.0 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.2 %	70-130	"	"	"	"	"	
B21 D (6G11002-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.2 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		83.2 %	70-130	"	"	"	"	"	
B21 E (6G11002-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG61219	07/12/06	07/12/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.2 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120	"	"	"	"	"	
Carbon Ranges C6-C12	59.5	50.0	mg/kg dry	5	EF62304	07/11/06	07/11/06	EPA 8015M	
Carbon Ranges C12-C28	4900	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	808	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	5770	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.3 %	70-130	"	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		19.8 %	70-130	"	"	"	"	"	S-06

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Page 8 of 18

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Project Manager: Logan Anderson

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W43A (6G11002-01) Soil									
% Moisture	0.4	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W43B (6G11002-02) Soil									
% Moisture	0.2	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W43C (6G11002-03) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W43D (6G11002-04) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
4pt Comp. Wall 43 (6G11002-05) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	262	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
W44A (6G11002-06) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W44B (6G11002-07) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W44C (6G11002-08) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W44D (6G11002-09) Soil									
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
4pt Comp. Wall 44 (6G11002-10) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	40.6	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	

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Page 9 of 18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W45A (6G11002-11) Soil									
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W45B (6G11002-12) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W45C (6G11002-13) Soil									
% Moisture	0.1	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W45D (6G11002-14) Soil									
% Moisture	0.3	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
4pt Comp. Wall 45 (6G11002-15) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	182	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
W46A (6G11002-16) Soil									
% Moisture	0.3	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W46B (6G11002-17) Soil									
% Moisture	1.0	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W46C (6G11002-18) Soil									
% Moisture	0.2	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
W46D (6G11002-19) Soil									
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
4pt Comp. Wall 46 (6G11002-20) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	ND	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	325	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	

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Page 10 of 18

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B21 A (6G11002-21) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	0.8	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	152	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
B21 B (6G11002-22) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	0.5	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	308	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
B21 C (6G11002-23) Soil									
Chloride	138	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	0.7	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	269	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
B21 D (6G11002-24) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	0.6	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	12.9	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	
B21 E (6G11002-25) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61107	07/11/06	07/11/06	SW 846 9253	
% Moisture	3.9	0.1	%	1	EG61212	07/11/06	07/12/06	% calculation	
TPH 418.1	9430	10.0	mg/kg dry	10	EG61203	07/12/06	07/12/06	EPA 418.1	

Environmental Lab of Texas

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Page 11 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF62304 - Solvent Extraction (GC)

Blank (EF62304-BLK1)

Prepared & Analyzed: 07/11/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0		93.6	70-130			
Surrogate: 1-Chlorooctadecane	47.8		"	50.0		95.6	70-130			

LCS (EF62304-BS1)

Prepared & Analyzed: 07/11/06

Carbon Ranges C6-C12	430	10.0	mg/kg wet	500		86.0	75-125			
Carbon Ranges C12-C28	444	10.0	"	500		88.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	874	10.0	"	1000		87.4	75-125			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	43.7		"	50.0		87.4	70-130			

Calibration Check (EF62304-CCV1)

Prepared & Analyzed: 07/11/06

Carbon Ranges C6-C12	223		mg/kg	250		89.2	80-120			
Carbon Ranges C12-C28	259		"	250		104	80-120			
Total Hydrocarbon nC6-nC35	482		"	500		96.4	80-120			
Surrogate: 1-Chlorooctane	39.8		"	50.0		79.6	70-130			
Surrogate: 1-Chlorooctadecane	37.9		"	50.0		75.8	70-130			

Matrix Spike (EF62304-MS1)

Source: 6G11002-24

Prepared & Analyzed: 07/11/06

Carbon Ranges C6-C12	429	10.0	mg/kg dry	503	ND	85.3	75-125			
Carbon Ranges C12-C28	452	10.0	"	503	ND	89.9	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	880	10.0	"	1010	ND	87.1	75-125			
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	70-130			

Environmental Lab of Texas

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Page 12 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EF62304 - Solvent Extraction (GC)

Matrix Spike Dup (EF62304-MSD1)

Source: 6G11002-24

Prepared & Analyzed: 07/11/06

Carbon Ranges C6-C12	430	10.0	mg/kg dry	503	ND	85.5	75-125	0.233	20	
Carbon Ranges C12-C28	467	10.0	"	503	ND	92.8	75-125	3.26	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	897	10.0	"	1010	ND	88.8	75-125	1.91	20	
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	46.4		"	50.0		92.8	70-130			

Batch EG61108 - EPA 5030C (GC)

Blank (EG61108-BLK1)

Prepared & Analyzed: 07/11/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	34.7		ug/kg	40.0		86.8	80-120			
Surrogate: 4-Bromofluorobenzene	38.1		"	40.0		95.2	80-120			

LCS (EG61108-BS1)

Prepared & Analyzed: 07/11/06

Benzene	1.17	0.0250	mg/kg wet	1.25		93.6	80-120			
Toluene	1.34	0.0250	"	1.25		107	80-120			
Ethylbenzene	1.31	0.0250	"	1.25		105	80-120			
Xylene (p/m)	2.89	0.0250	"	2.50		116	80-120			
Xylene (o)	1.42	0.0250	"	1.25		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.8		ug/kg	40.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	43.8		"	40.0		110	80-120			

Environmental Lab of Texas

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Page 13 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EG61108 - EPA 5030C (GC)

Calibration Check (EG61108-CCV1)

Prepared: 07/11/06 Analyzed: 07/12/06

Benzene	59.7		ug/kg	50.0		119	80-120			
Toluene	57.9		"	50.0		116	80-120			
Ethylbenzene	56.3		"	50.0		113	80-120			
Xylene (p/m)	119		"	100		119	80-120			
Xylene (o)	58.2		"	50.0		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.1		"	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			

Matrix Spike (EG61108-MS1)

Source: 6G11004-01

Prepared & Analyzed: 07/11/06

Benzene	1.41	0.0250	mg/kg dry	1.27	ND	111	80-120			
Toluene	1.42	0.0250	"	1.27	ND	112	80-120			
Ethylbenzene	1.26	0.0250	"	1.27	ND	99.2	80-120			
Xylene (p/m)	2.98	0.0250	"	2.55	ND	117	80-120			
Xylene (o)	1.44	0.0250	"	1.27	ND	113	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.8		ug/kg	40.0		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	40.5		"	40.0		101	80-120			

Matrix Spike Dup (EG61108-MSD1)

Source: 6G11004-01

Prepared & Analyzed: 07/11/06

Benzene	1.41	0.0250	mg/kg dry	1.27	ND	111	80-120	0.00	20	
Toluene	1.42	0.0250	"	1.27	ND	112	80-120	0.00	20	
Ethylbenzene	1.34	0.0250	"	1.27	ND	106	80-120	6.63	20	
Xylene (p/m)	2.97	0.0250	"	2.55	ND	116	80-120	0.858	20	
Xylene (o)	1.42	0.0250	"	1.27	ND	112	80-120	0.889	20	
Surrogate: a,a,a-Trifluorotoluene	44.1		ug/kg	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	80-120			

Batch EG61219 - EPA 5030C (GC)

Blank (EG61219-BLK1)

Prepared & Analyzed: 07/12/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	32.5		ug/kg	40.0		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.6		"	40.0		94.0	80-120			

Environmental Lab of Texas

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Page 14 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EG61219 - EPA 5030C (GC)										
LCS (EG61219-BS1)				Prepared & Analyzed: 07/12/06						
Benzene	1.16	0.0250	mg/kg wet	1.25		92.8	80-120			
Toluene	1.15	0.0250	"	1.25		92.0	80-120			
Ethylbenzene	1.08	0.0250	"	1.25		86.4	80-120			
Xylene (p/m)	2.49	0.0250	"	2.50		99.6	80-120			
Xylene (o)	1.21	0.0250	"	1.25		96.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.5		ug/kg	40.0		86.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.4		"	40.0		88.5	80-120			
Calibration Check (EG61219-CCV1)				Prepared & Analyzed: 07/12/06						
Benzene	51.1		ug/kg	50.0		102	80-120			
Toluene	52.1		"	50.0		104	80-120			
Ethylbenzene	50.6		"	50.0		101	80-120			
Xylene (p/m)	102		"	100		102	80-120			
Xylene (o)	49.9		"	50.0		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.9		"	40.0		97.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.6		"	40.0		94.0	80-120			
Matrix Spike (EG61219-MS1)				Source: 6G10008-05	Prepared & Analyzed: 07/12/06					
Benzene	1.31	0.0250	mg/kg dry	1.31	ND	100	80-120			
Toluene	1.34	0.0250	"	1.31	ND	102	80-120			
Ethylbenzene	1.16	0.0250	"	1.31	ND	88.5	80-120			
Xylene (p/m)	2.72	0.0250	"	2.62	ND	104	80-120			
Xylene (o)	1.29	0.0250	"	1.31	ND	98.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.5		ug/kg	40.0		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	37.3		"	40.0		93.2	80-120			
Matrix Spike Dup (EG61219-MSD1)				Source: 6G10008-05	Prepared & Analyzed: 07/12/06					
Benzene	1.47	0.0250	mg/kg dry	1.31	ND	112	80-120	11.3	20	
Toluene	1.46	0.0250	"	1.31	ND	111	80-120	8.45	20	
Ethylbenzene	1.36	0.0250	"	1.31	ND	104	80-120	16.1	20	
Xylene (p/m)	3.02	0.0250	"	2.62	ND	115	80-120	10.0	20	
Xylene (o)	1.52	0.0250	"	1.31	ND	116	80-120	16.3	20	
Surrogate: a,a,a-Trifluorotoluene	38.0		ug/kg	40.0		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			

Environmental Lab of Texas

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Page 15 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EG61107 - Water Extraction										
Blank (EG61107-BLK1)				Prepared & Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61107-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	83.0		mg/kg	100		83.0	80-120			
Matrix Spike (EG61107-MS1)				Source: 6G11002-05		Prepared & Analyzed: 07/11/06				
Chloride	489	20.0	mg/kg Wet	500	0.00	97.8	80-120			
Matrix Spike Dup (EG61107-MSD1)				Source: 6G11002-05		Prepared & Analyzed: 07/11/06				
Chloride	489	20.0	mg/kg Wet	500	0.00	97.8	80-120	0.00	20	
Reference (EG61107-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	50.0		mg/kg	50.0		100	80-120			
Batch EG61203 - 418.1										
Blank (EG61203-BLK1)				Prepared & Analyzed: 07/12/06						
TPH 418.1	ND	10.0	mg/kg wet							
LCS (EG61203-BS1)				Prepared & Analyzed: 07/12/06						
TPH 418.1	108	10.0	mg/kg wet	100		108	80-120			
Calibration Check (EG61203-CCV1)				Prepared & Analyzed: 07/12/06						
TPH 418.1	5280		mg/kg	5140		103	80-120			
Matrix Spike (EG61203-MS1)				Source: 6G11002-05		Prepared & Analyzed: 07/12/06				
TPH 418.1	2840	10.0	mg/kg dry	2500	262	103	80-120			

Environmental Lab of Texas

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Page 16 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

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 EG61203 - 418.1										
Matrix Spike Dup (EG61203-MSD1)		Source: 6G11002-05		Prepared & Analyzed: 07/12/06						
TPH 418.1	2840	10.0	mg/kg dry	2500	262	103	80-120	0.00	20	
Batch EG61212 - General Preparation (Prep)										
Blank (EG61212-BLK1)		Prepared: 07/11/06 Analyzed: 07/12/06								
% Solids	100		%							
Duplicate (EG61212-DUP1)		Source: 6G11002-01		Prepared: 07/11/06 Analyzed: 07/12/06						
% Solids	99.6		%		99.6			0.00	20	
Duplicate (EG61212-DUP2)		Source: 6G11002-21		Prepared: 07/11/06 Analyzed: 07/12/06						
% Solids	99.5		%		99.2			0.302	20	

Environmental Lab of Texas

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Page 17 of 18

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Maralo
Project Number: None Given
Project Manager: Logan Anderson

Fax: (432) 366-0884

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:

7/13/2006

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.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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Page 18 of 18

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-583-1800
Fax: 915-583-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Logan Anderson

Company Name: Elke Environmental, Inc.

Company Address: P. O. Box 14167

City/State/Zip: Odessa, Tx 79768

Telephone No: 432-366-0043

Fax No: 432-366-0884

Sampler Signature: 

Project Name: Marato, LLC

Project #:

Project Loc: Humble State #3 Tank B. th

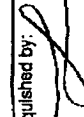
PO #:

(Lab use only)
ORDER #:

ORDER #:	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative													Matrix										Analyze For:									
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify):	TPH: 419, 1005	Carbon (C, Hg, Na, K)	Antimony (Sb, As, Se, Hg, Cu)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX (419, 1005)	PC	NORM	TDS / TSS	RUSH TAT (Pre-Schedule)	Standard TAT										
Well 1102	W43A	7-10-06	7:00A	1	X															X					X												
	W43B	7-10-06	7:10A	1	X															X					X												
	W43C	7-10-06	7:20A	1	X															X					X												
	W43D	7-10-06	7:30A	1	X															X					X												
	4pt. Comp. Well 43	7-10-06	7:35A	1	X															X					X												
	W44A	7-10-06	7:40A	1	X															X					X												
	W44B	7-10-06	7:50A	1	X															X					X												
	W44C	7-10-06	8:00A	1	X															X					X												
	W44D	7-10-06	8:10A	1	X															X					X												
	4pt. Comp. Well 44	7-10-06	8:15A	1	X															X					X												

Special Instructions: none

Rush TAT 48hr

Relinquished by:	Date	Time	Received by:	Date	Time
	7-11-06	7:00A			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Drop Box			Cover 100X	7/11/06	8:20

Sample Containers Intact? ☒ N
Temperature Upon Receipt: 5.0
Laboratory Comments: Aer-glass
Scale Error / Labels

pg. 2 of 3

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Ally 222

Project #:

Project Loc: Humble State #3 Tank Bath.

第 10 章

Fax No: 432-366-0884

1

[illegible]

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

Client: E/KE ENV.

Date/Time: 7/11/06 8:20

Order #: 6G11002

Initials: UK

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

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

Corrective Action Taken:
