

NM1 - 19

**MONITORING
REPORTS**

YEAR(S):

2008-2009

March 16, 2010
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

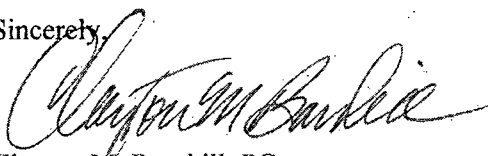
**Re: Submittal of Annual Monitoring Report for Year 2009
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Annual Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me. Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Former Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (575) 622-2012 Phone Fax: (575) 625-0538
Cellular: (575) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

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ANNUAL YEAR END MONITORING REPORT

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Larry Gandy, Vice President
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

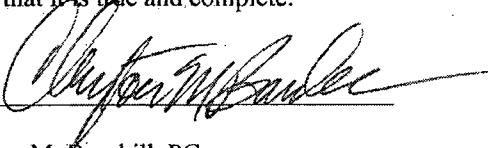
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **March 16, 2010**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/10

Date:

03/16/2010

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this annual monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc.), approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In August of 2000, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. A new permit was submitted and approved on January 17, 2006 NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the annual report for yearend monitoring of the year 2009 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), BTEX, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals, and then produce a map showing the sample locations, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Table 1 contains Trace Analysis Lab Sample Summary Reports of cell soil samples taken beneath all landfarm cells. Appendix 3 contains the complete analytical results for soils sampled in these Cells. A site facility map is plotted in figure 1. Soil sample locations, as per GPS Coordinates, are plotted in figure 2

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Annual Highlights

Annual Year End Soil Sampling for Year 2009 was performed on January 22, 2010.
This Year End 2009 monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS YEAR END SAMPLING EVENT

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals.

The soil sampling adequately monitored the vadose zone beneath the facility. Field parameters included a lithologic description of the soil samples, and GPS location coordinates of the soil samples. Field Notes containing this information are found in Appendix 2. Soil Sample laboratory summary results are located in Table 1. Laboratory analysis reports and chain of custody forms are in Appendix 3.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. has demonstrated in the year 2009 that they are highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.02 mg/Kg BTEX, and acceptable TPH concentrations of ≤ 20 mg/Kg TPH, with the exceptions of Cell # 3 (83.5 mg/Kg TPH), Cell # 4 (168 mg/Kg TPH), and Cell # 11 (48.3 mg/Kg TPH). Chlorides concentrations are below 250 mg/Kg in all cells with the exception of Cell #'s 3, 5, 7, 11, 13, 15, 17, & 21. Cells with elevated chloride concentrations are cells which previously accepted salt contaminated soils and drilling mud produced from oil and gas activities in northern Lea and Chaves counties, New Mexico. Drilling mud is a RCRA Exempt waste, but is normally high in chloride concentrations. All soil in landfarm cells was moist, damp, or wet during the sampling event from recent snowfall and or storm events. This dampness of the soils may have contributed to the elevated soil chloride concentrations, as chloride tends to wick and re-concentrate in damp soils.

Gandy-Marley Inc has engineered and lined certain cells to allow for the acceptance and disposal of soils with high chloride concentrations.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

LIST OF FIGURES

Figure		Included	N/A
1	Site Map / Topographic Map with cell locations plotted	X	
2	Topographic Map with sample locations , as per GPS, plotted	X	

LIST OF TABLES

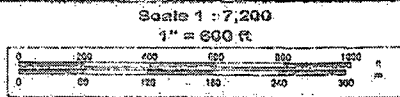
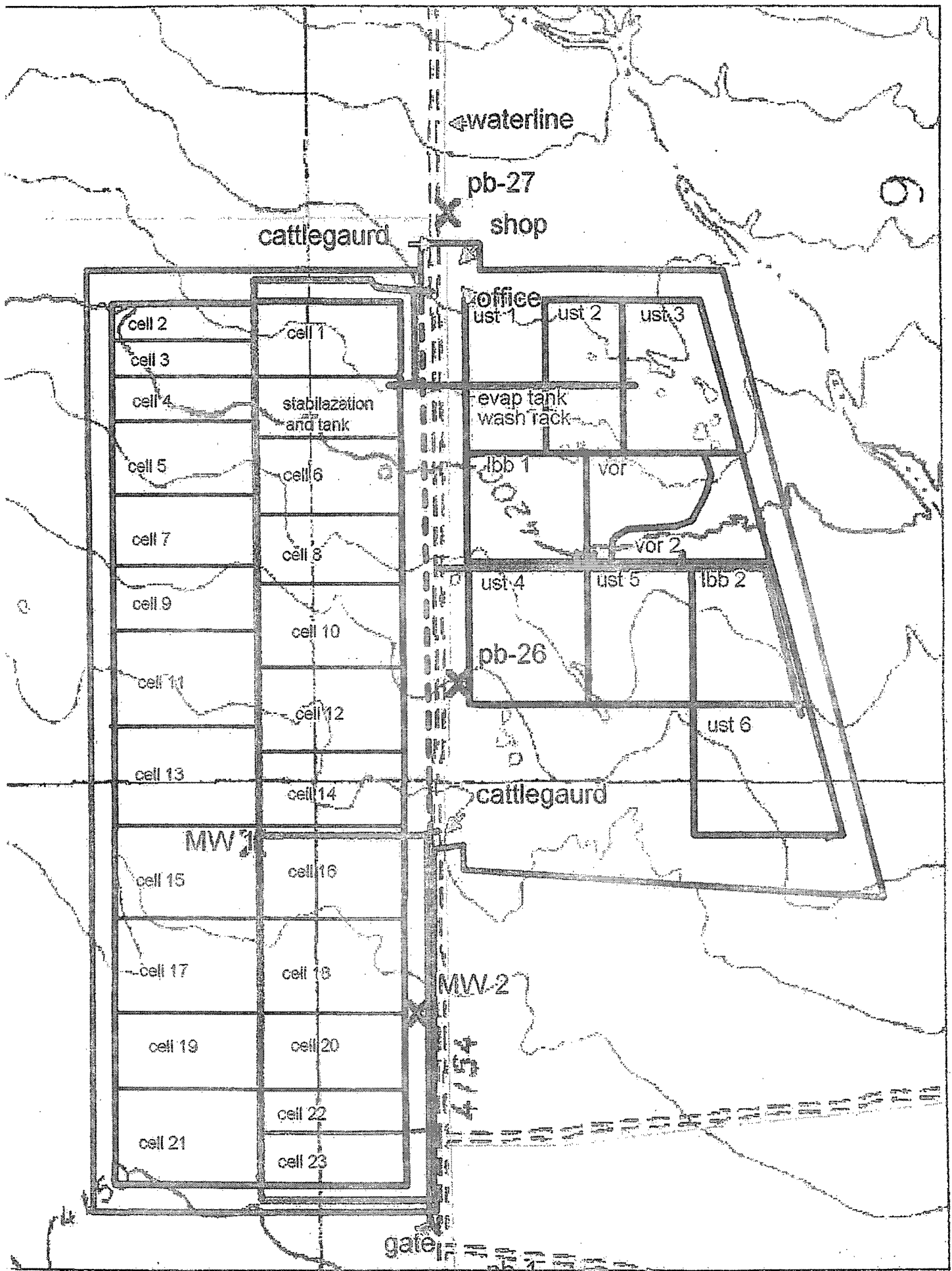
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

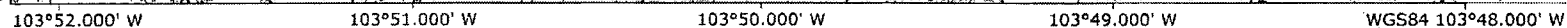
Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: March 16, 2010

Figures:



103°52.000' W 103°51.000' W 103°50.000' W 103°49.000' W WGS84 103°48.000' W



03/16/10

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: February 15, 2010

Work Order: 10012617



Project Location: Sec. 4, 5, 8, 9. T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: Annual Year End Sampling 2009

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
220705	Cell #1	soil	2010-01-22	08:30	2010-01-26
220706	Cell #2	soil	2010-01-22	08:45	2010-01-26
220707	Cell #3	soil	2010-01-22	08:55	2010-01-26
220708	Cell #4	soil	2010-01-22	09:05	2010-01-26
220709	Cell #5	soil	2010-01-22	09:15	2010-01-26
220710	Cell #7	soil	2010-01-22	09:30	2010-01-26
220711	Cell #9	soil	2010-01-22	09:40	2010-01-26
220712	Cell #11	soil	2010-01-22	09:50	2010-01-26
220713	Cell #12	soil	2010-01-22	10:00	2010-01-26
220714	Cell #13	soil	2010-01-22	10:10	2010-01-26
220715	Cell #14	soil	2010-01-22	10:20	2010-01-26
220716	Cell #15	soil	2010-01-22	10:30	2010-01-26
220717	Cell #16	soil	2010-01-22	10:40	2010-01-26
220718	Cell #17	soil	2010-01-22	10:50	2010-01-26
220719	Cell #19	soil	2010-01-22	11:00	2010-01-26
220720	Cell #21	soil	2010-01-22	11:10	2010-01-26

Sample - Field Code	BTX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
220705 - Cell #1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220706 - Cell #2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220707 - Cell #3	<0.0200	<0.0200	<0.0200	<0.0200		83.5
220708 - Cell #4	<0.0200	<0.0200	<0.0200	<0.0200		168
220709 - Cell #5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220710 - Cell #7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220711 - Cell #9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220712 - Cell #11	<0.0200	<0.0200	<0.0200	<0.0200		48.3
220713 - Cell #12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

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This is only a summary. Please, refer to the complete report package for quality control data.

... continued

Sample - Field Code	BTX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
220714 - Cell #13	<0.0200	<0.0200	<0.0200	<0.0200		17.0
220715 - Cell #14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220716 - Cell #15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220717 - Cell #16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220718 - Cell #17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220719 - Cell #19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
220720 - Cell #21	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

Sample: 220705 - Cell #1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		8.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		192	mg/Kg as CaCo3	4.00
Total Alkalinity		200	mg/Kg as CaCo3	4.00
Total Calcium		91500	mg/Kg	100
Chloride		141	mg/Kg	10.0
Specific Conductance		1250	uMHOS/cm	0.00
Total Potassium		2590	mg/Kg	100
Total Magnesium		6890	mg/Kg	100
Total Sodium		1070	mg/Kg	100
pH		8.67	s.u.	2.00
Sulfate		286	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.483	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220706 - Cell #2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	4.00
Total Alkalinity		100	mg/Kg as CaCo3	4.00
Total Calcium		128000	mg/Kg	100
Chloride		95.3	mg/Kg	10.0
Specific Conductance		2560	uMHOS/cm	0.00
Total Potassium		1060	mg/Kg	100
Total Magnesium		2870	mg/Kg	100

continued ...

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This is only a summary. Please, refer to the complete report package for quality control data.

sample 220706 continued ...

Param	Flag	Result	Units	RL
Total Sodium		336	mg/Kg	100
pH		7.47	s.u.	2.00
Sulfate		3360	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.670	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220707 - Cell #3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	4.00
Total Alkalinity		100	mg/Kg as CaCo3	4.00
Total Calcium		189000	mg/Kg	100
Chloride		406	mg/Kg	10.0
Specific Conductance		1520	uMHOS/cm	0.00
Total Potassium		1160	mg/Kg	100
Total Magnesium		3720	mg/Kg	100
Total Sodium		163	mg/Kg	100
pH		7.99	s.u.	2.00
Sulfate		126	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.954	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220708 - Cell #4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	4.00
Total Alkalinity		133	mg/Kg as CaCo3	4.00
Total Calcium		97800	mg/Kg	100

continued ...

sample 220708 continued ...

Param	Flag	Result	Units	RL
Chloride		232	mg/Kg	10.0
Specific Conductance		1490	uMHOS/cm	0.00
Total Potassium		1320	mg/Kg	100
Total Magnesium		2520	mg/Kg	100
Total Sodium		929	mg/Kg	100
pH		8.59	s.u.	2.00
Sulfate		548	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.500	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220709 - Cell #5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		250	mg/Kg as CaCo3	4.00
Total Alkalinity		250	mg/Kg as CaCo3	4.00
Total Calcium		205000	mg/Kg	100
Chloride		273	mg/Kg	10.0
Specific Conductance		846	uMHOS/cm	0.00
Total Potassium		831	mg/Kg	100
Total Magnesium		3240	mg/Kg	100
Total Sodium		103	mg/Kg	100
pH		8.11	s.u.	2.00
Sulfate		159	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.31	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220710 - Cell #7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00

continued ...

sample 220710 continued ...

Param	Flag	Result	Units	RL
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Calcium		199000	mg/Kg	100
Chloride		3560	mg/Kg	10.0
Specific Conductance		6200	uMHOS/cm	0.00
Total Potassium		789	mg/Kg	100
Total Magnesium		3140	mg/Kg	100
Total Sodium		1580	mg/Kg	100
pH		7.85	s.u.	2.00
Sulfate		120	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.39	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220711 - Cell #9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		542	mg/Kg as CaCo3	4.00
Total Alkalinity		542	mg/Kg as CaCo3	4.00
Total Calcium		113000	mg/Kg	100
Chloride		31.9	mg/Kg	10.0
Specific Conductance		721	uMHOS/cm	0.00
Total Potassium		1060	mg/Kg	100
Total Magnesium		2920	mg/Kg	100
Total Sodium		<100	mg/Kg	100
pH		8.34	s.u.	2.00
Sulfate		505	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.76	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220712 - Cell #11

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		150	mg/Kg as CaCo3	4.00
Total Alkalinity		150	mg/Kg as CaCo3	4.00
Total Calcium		90600	mg/Kg	100
Chloride		454	mg/Kg	10.0
Specific Conductance		2030	uMHOS/cm	0.00
Total Potassium		1340	mg/Kg	100
Total Magnesium		3390	mg/Kg	100
Total Sodium		644	mg/Kg	100
pH		8.11	s.u.	2.00
Sulfate		375	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.81	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220713 - Cell #12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	4.00
Total Alkalinity		133	mg/Kg as CaCo3	4.00
Total Calcium		7960	mg/Kg	100
Chloride		206	mg/Kg	10.0
Specific Conductance		1630	uMHOS/cm	0.00
Total Potassium		2540	mg/Kg	100
Total Magnesium		3780	mg/Kg	100
Total Sodium		437	mg/Kg	100
pH		8.11	s.u.	2.00
Sulfate		507	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.30	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220714 - Cell #13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		125	mg/Kg as CaCo3	4.00
Total Alkalinity		125	mg/Kg as CaCo3	4.00
Total Calcium		8070	mg/Kg	100
Chloride		445	mg/Kg	10.0
Specific Conductance		1440	uMHOS/cm	0.00
Total Potassium		2560	mg/Kg	100
Total Magnesium		3210	mg/Kg	100
Total Sodium		417	mg/Kg	100
pH		7.82	s.u.	2.00
Sulfate		378	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.59	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220715 - Cell #14

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		183	mg/Kg as CaCo3	4.00
Total Alkalinity		183	mg/Kg as CaCo3	4.00
Total Calcium		116000	mg/Kg	100
Chloride		126	mg/Kg	10.0
Specific Conductance		613	uMHOS/cm	0.00
Total Potassium		1110	mg/Kg	100
Total Magnesium		3360	mg/Kg	100
Total Sodium		213	mg/Kg	100
pH		8.51	s.u.	2.00
Sulfate		152	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.69	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220716 - Cell #15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		108	mg/Kg as CaCo3	4.00
Total Alkalinity		108	mg/Kg as CaCo3	4.00
Total Calcium		102000	mg/Kg	100
Chloride		662	mg/Kg	10.0
Specific Conductance		2020	uMHOS/cm	0.00
Total Potassium		1220	mg/Kg	100
Total Magnesium		3670	mg/Kg	100
Total Sodium		1170	mg/Kg	100
pH		8.43	s.u.	2.00
Sulfate		395	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.66	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220717 - Cell #16

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		125	mg/Kg as CaCo3	4.00
Total Alkalinity		125	mg/Kg as CaCo3	4.00
Total Calcium		68900	mg/Kg	100
Chloride		105	mg/Kg	10.0
Specific Conductance		1960	uMHOS/cm	0.00
Total Potassium		1500	mg/Kg	100
Total Magnesium		4620	mg/Kg	100
Total Sodium		267	mg/Kg	100
pH		8.05	s.u.	2.00
Sulfate		3730	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.23	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220718 - Cell #17

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		168	mg/Kg as CaCo3	4.00
Total Alkalinity		168	mg/Kg as CaCo3	4.00
Total Calcium		79300	mg/Kg	100
Chloride		832	mg/Kg	10.0
Specific Conductance		2020	uMHOS/cm	0.00
Total Potassium		1000	mg/Kg	100
Total Magnesium		2750	mg/Kg	100
Total Sodium		121	mg/Kg	100
pH		7.83	s.u.	2.00
Sulfate		33.3	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.18	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220719 - Cell #19

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		218	mg/Kg as CaCo3	4.00
Total Alkalinity		218	mg/Kg as CaCo3	4.00
Total Calcium		7520	mg/Kg	100
Chloride		188	mg/Kg	10.0
Specific Conductance		871	uMHOS/cm	0.00
Total Potassium		1250	mg/Kg	100
Total Magnesium		1750	mg/Kg	100
Total Sodium		187	mg/Kg	100
pH		8.18	s.u.	2.00
Sulfate		119	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.62	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 220720 - Cell #21

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		242	mg/Kg as CaCo3	4.00
Total Alkalinity		242	mg/Kg as CaCo3	4.00
Total Calcium		245000	mg/Kg	100
Chloride		360	mg/Kg	10.0
Specific Conductance		1280	uMHOS/cm	0.00
Total Potassium		1030	mg/Kg	100
Total Magnesium		3700	mg/Kg	100
Total Sodium		208	mg/Kg	100
pH		8.04	s.u.	2.00
Sulfate		353	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.80	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Appendix 1

Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location GMT Landfarm Date 01/22/2010Project / Client 4th Quarter 2009 Soil SamplingBy: CMB Environmental & Geosciences
Services, Inc. Page 1 of 3

Cell # Time GPS Coordinates Remarks

Cell #1 0830 33.38645 N
2x4oz/g/None 103.82861 W Red-brown
clayey sand
No odor or
staining
c 3' BGSCell #2 0845 33.38698 N
2x4oz/g/None 103.82858 W Tan brown
clayey sand
w/coliche
No odor or
staining
c 3' BGSCell #3 0855 33.38700 N
2x4oz/g/None 103.82919 W Tan brown clayey
sand w/coliche
No odor or staining
c 3' BGSCell #4 0905 33.38690 N
2x4oz/g/None 103.82980 W Tan brown
clayey sand
w/coliche
No odor or staining
c 3' BGSCell #5 0915 33.38700 N
2x4oz/g/None 103.83045 W Tan brown
clayey sand
w/coliche
No odor or staining
c 3' BGS

Cell #6 - out of service

Location GMT Landfarm Date 01/22/2010Project / Client 4th Quarter 2009 Soil SamplingBy: CMB Page 2 of 3

Cell # Time GPS Coordinates Remarks

all 2x4oz/g/None
Cell #7 0930 33.38699 N
103.83161 W Tan brown
clayey sand
w/coliche
No odor or staining
c 3' BGS

Cell #8 - out of service

Cell #9 0940 33.38691 N
103.83261 W Tan brown
clayey sand
w/coliche
No odor or staining
c 3' BGS

Cell #10 - out of service

Cell #11 0950 33.38688 N
103.83374 W Brown clayey
sand w/coliche
No odor or staining
c 3' BGSCell #12 1000 33.38635 N
103.83417 W Red-brown
clayey sand
No odor or staining
c 3' BGSCell #13 1010 33.38683 N
103.83503 W Brown clayey sand
No odor or staining
c 3' BGSCell #14 1020 33.38621 N
103.83523 W Brown clayey
sand
No odor or staining
c 3' BGS

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Location 6m I Land Farm Date 01/22/2010Project / Client 4TH Quarter 2009 Soil SamplingBy: CMB Environmental & Geological Services, Inc.

Page 3 of 3

Cell #	TIME	GPS COORDINATES	Remarks
--------	------	-----------------	---------

2x400G/NONE/500G

Cell #15	10:30	33.38620 N 103.83520 W	Tan brown clayey sand No odor or stain 3' BGS
----------	-------	---------------------------	--

Cell #16	10:40	33.38677 N 103.83746 W	Brown clayey sand No odor or stain 3' BGS
----------	-------	---------------------------	---

Cell #17	10:50	33.38621 N 103.83649 W	Tan brown clayey sand No odor or stain 3' BGS
----------	-------	---------------------------	--

Cell #18 - out of service

Cell #19	11:00	33.38676 N 103.83798 W	Red sand No odor or stain 3' BGS
----------	-------	---------------------------	--

Cell #20 - out of service

Cell #21	11:10	33.38665 N 103.83922 W	Brown clayey sand No odor or stain 3' BGS
----------	-------	---------------------------	---

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Location _____ Date _____

Project / Client _____

Waypoint List Fourth Quarter 2009

Gandy-Marley Landfarm, Fourth Quarter 2009 Year End Soil Sampling, Chaves County, New Mexico

TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time, Cell Name:

WPGC0001,33,23.187,-103,49.716,4216,01/22/2010,01:31:11,NMOCD Cell 1
WPGC0002,33,23.219,-103,49.715,4209,01/22/2010,01:44:07,NMOCD Cell 2
WPGC0003,33,23.220,-103,49.752,4222,01/22/2010,01:57:48,NMOCD Cell 3
WPGC0004,33,23.214,-103,49.788,4213,01/22/2010,02:09:22,NMOCD Cell 4
WPGC0005,33,23.222,-103,49.828,4226,01/22/2010,02:20:41,NMOCD Cell 5
WPGC0006,33,23.220,-103,49.897,4199,01/22/2010,02:30:51,NMOCD Cell 7
WPGC0007,33,23.215,-103,49.957,4196,01/22/2010,02:43:08,NMOCD Cell 9
WPGC0008,33,23.213,-103,50.024,4199,01/22/2010,02:54:25,NMOCD Cell 11
WPGC0009,33,23.181,-103,50.050,4203,01/22/2010,03:02:02,NMOCD Cell 12
WPGC0010,33,23.211,-103,50.102,4183,01/22/2010,03:12:00,NMOCD Cell 13
WPGC0011,33,23.172,-103,50.112,4183,01/22/2010,03:18:42,NMOCD Cell 14
WPGC0012,33,23.206,-103,50.248,4186,01/22/2010,03:31:11,NMOCD Cell 15
WPGC0013,33,23.173,-103,50.189,4180,01/22/2010,03:40:27,NMOCD Cell 16
WPGC0014,33,23.206,-103,50.273,4186,01/22/2010,03:49:02,NMOCD Cell 17
WPGC0015,33,23.199,-103,50.353,4177,01/22/2010,04:00:29,NMOCD Cell 19
WPGC0016,33,23.212,-103,50.450,4163,01/22/2010,04:09:36,NMOCD Cell 21
WPGC0017,33,22.990,-103,49.771,4219,01/22/2010,04:36:56,NMED UST Cell 1
WPGC0018,33,22.948,-103,49.770,4216,01/22/2010,04:48:39,NMED UST Cell 2
WPGC0019,33,22.912,-103,49.777,4222,01/22/2010,04:59:49,NMED UST Cell 3
WPGC0020,33,22.965,-103,49.956,4203,01/22/2010,05:10:13,NMED UST Cell 4
WPGC0021,33,22.932,-103,49.959,4199,01/22/2010,05:20:36,NMED UST Cell 5
WPGC0022,33,22.980,-103,49.902,4209,01/22/2010,05:30:33,NMED LBB 1
WPGC0023,33,22.930,-103,49.923,4193,01/22/2010,05:39:50,NMED VOR
WPGC0024,33,22.808,-103,49.960,4183,01/22/2010,05:50:27,NMED LBB 2
WPGC0025,33,22.783,-103,50.089,4180,01/22/2010,06:03:53,NMED UST Cell 6
WPGC0026,33,22.788,-103,50.143,4170,01/22/2010,06:11:59,NMED UST Cell 7

Appendix 3



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

Certifications

WBENC: 237019

HUB: 1752439743100-86536

DBE: VN 20657

NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: February 15, 2010

Work Order: 10012617



Project Location: Sec. 4, 5, 8, 9. T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: Annual Year End Sampling 2009

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
220705	Cell #1	soil	2010-01-22	08:30	2010-01-26
220706	Cell #2	soil	2010-01-22	08:45	2010-01-26
220707	Cell #3	soil	2010-01-22	08:55	2010-01-26
220708	Cell #4	soil	2010-01-22	09:05	2010-01-26
220709	Cell #5	soil	2010-01-22	09:15	2010-01-26
220710	Cell #7	soil	2010-01-22	09:30	2010-01-26
220711	Cell #9	soil	2010-01-22	09:40	2010-01-26
220712	Cell #11	soil	2010-01-22	09:50	2010-01-26
220713	Cell #12	soil	2010-01-22	10:00	2010-01-26
220714	Cell #13	soil	2010-01-22	10:10	2010-01-26

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
220715	Cell #14	soil	2010-01-22	10:20	2010-01-26
220716	Cell #15	soil	2010-01-22	10:30	2010-01-26
220717	Cell #16	soil	2010-01-22	10:40	2010-01-26
220718	Cell #17	soil	2010-01-22	10:50	2010-01-26
220719	Cell #19	soil	2010-01-22	11:00	2010-01-26
220720	Cell #21	soil	2010-01-22	11:10	2010-01-26

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

This report consists of a total of 95 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



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

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2010-01-26 and assigned to work order 10012617. Samples for work order 10012617 were received intact at a temperature of 4.5 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Alkalinity	SM 2320B	57497	2010-02-01 at 12:06	67232	2010-02-01 at 12:08
Alkalinity	SM 2320B	57498	2010-02-01 at 13:10	67233	2010-02-01 at 13:10
BTEX	S 8021B	57348	2010-01-26 at 13:19	67061	2010-01-26 at 13:19
Ca, Total	S 6010B	57482	2010-02-02 at 08:00	67229	2010-02-02 at 15:47
Ca, Total	S 6010B	57482	2010-02-02 at 08:00	67230	2010-02-02 at 15:48
Chloride (IC)	E 300.0	57486	2010-01-29 at 11:55	67211	2010-01-29 at 17:33
Chloride (IC)	E 300.0	57488	2010-01-29 at 12:09	67213	2010-01-29 at 23:03
Chloride (IC)	E 300.0	57756	2010-02-12 at 13:01	67518	2010-02-12 at 18:48
Conductivity	SM 2510B	57436	2010-01-29 at 12:39	67165	2010-01-29 at 14:40
Conductivity	SM 2510B	57437	2010-01-29 at 13:44	67166	2010-01-29 at 15:45
K, Total	S 6010B	57482	2010-02-02 at 08:00	67229	2010-02-02 at 15:47
K, Total	S 6010B	57482	2010-02-02 at 08:00	67230	2010-02-02 at 15:48
Mg, Total	S 6010B	57482	2010-02-02 at 08:00	67229	2010-02-02 at 15:47
Mg, Total	S 6010B	57482	2010-02-02 at 08:00	67230	2010-02-02 at 15:48
Na, Total	S 6010B	57482	2010-02-02 at 08:00	67229	2010-02-02 at 15:47
Na, Total	S 6010B	57482	2010-02-02 at 08:00	67230	2010-02-02 at 15:48
pH	SM 4500-H+	57432	2010-01-29 at 17:33	67184	2010-01-29 at 12:46
pH	SM 4500-H+	57433	2010-01-29 at 17:34	67186	2010-01-29 at 12:53
SO4 (IC)	E 300.0	57486	2010-01-29 at 11:55	67211	2010-01-29 at 17:33
SO4 (IC)	E 300.0	57488	2010-01-29 at 12:09	67213	2010-01-29 at 23:03
SO4 (IC)	E 300.0	57756	2010-02-12 at 13:01	67518	2010-02-12 at 18:48
TCLP Ag	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Ag	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP As	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP As	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP Ba	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Ba	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP Cd	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Cd	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP Cr	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Cr	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP Hg	S 7470A	57403	2010-01-29 at 11:18	67150	2010-01-29 at 16:39
TCLP Hg	S 7470A	57403	2010-01-29 at 11:18	67151	2010-01-29 at 16:43
TCLP Pb	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Pb	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TCLP Se	S 6010B	57402	2010-01-29 at 09:46	67138	2010-01-29 at 15:06
TCLP Se	S 6010B	57402	2010-01-29 at 09:46	67139	2010-01-29 at 15:08
TPH 418.1	E 418.1	57407	2010-01-28 at 14:22	67132	2010-01-29 at 14:28

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10012617 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Report Date: February 15, 2010
Annual Year End Sampling 2009

Work Order: 10012617
GMI Landfarm

Page Number: 5 of 95
Sec. 4, 5, 8, 9. T11S-R31E, Chavez Co., NM

Analytical Report

Sample: 220705 - Cell #1

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		8.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		192	mg/Kg as CaCo3	1	4.00
Total Alkalinity		200	mg/Kg as CaCo3	1	4.00

Sample: 220705 - Cell #1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		2.08	mg/Kg	1	2.00	104	76.7 - 106

Sample: 220705 - Cell #1

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		91500	mg/Kg	10	100

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Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67211	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57486				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		141	mg/Kg	1	10.0

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67165	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57436				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1250	uMHOS/cm	1	0.00

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2590	mg/Kg	1	100

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		6890	mg/Kg	1	100

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Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1070	mg/Kg	1	100

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2010-01-29	Analyzed By:	KV
QC Batch:	67184	Sample Preparation:	2010-01-29	Prepared By:	KV
Prep Batch:	57432				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.67	s.u.	1	2.00

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67211	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57486				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		286	mg/Kg	1	25.0

Sample: 220705 - Cell #1

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	RR
QC Batch:	67138	Sample Preparation:	2010-01-29	Prepared By:	KV
Prep Batch:	57402	TCLP Extraction:	2010-01-28	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	TP
QC Batch:	67150	Sample Preparation:	2010-01-29	Prepared By:	TP
Prep Batch:	57403	TCLP Extraction:	2010-01-28	Prepared By:	TP

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Parameter	Flag	RL	Units	Dilution	RL
		Result			
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		0.483	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220705 - Cell #1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	1	4.00
Total Alkalinity		100	mg/Kg as CaCo3	1	4.00

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	75.5 - 105
4-Bromofluorobenzene (4-BFB)		2.08	mg/Kg	1	2.00	104	76.7 - 106

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Ca, Total Analytical Method: S 6010B Prep Method: S 3050B
QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 Sample Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Total Calcium		128000	mg/Kg	10	100

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 67211 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57486 Sample Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Chloride		95.3	mg/Kg	1	10.0

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 67165 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57436 Sample Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		2560	uMHOS/cm	1	0.00

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Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1060	mg/Kg	1	100

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2870	mg/Kg	1	100

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		336	mg/Kg	1	100

Sample: 220706 - Cell #2

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.47	s.u.	1	2.00

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Sample: 220706 - Cell #2

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2010-02-12	Analyzed By:	SS
QC Batch:	67518	Sample Preparation:	2010-02-12	Prepared By:	SS
Prep Batch:	57756				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3360	mg/Kg	10	25.0

Sample: 220706 - Cell #2

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	RR
QC Batch:	67138	Sample Preparation:	2010-01-29	Prepared By:	KV
Prep Batch:	57402	TCLP Extraction:	2010-01-28	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	TP
QC Batch:	67150	Sample Preparation:	2010-01-29	Prepared By:	TP
Prep Batch:	57403	TCLP Extraction:	2010-01-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		0.670	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220706 - Cell #2

Laboratory:	Lubbock	Analytical Method:	E 418.1	Prep Method:	N/A
Analysis:	TPH 418.1	Date Analyzed:	2010-01-29	Analyzed By:	DS
QC Batch:	67132	Sample Preparation:	2010-01-28	Prepared By:	DS
Prep Batch:	57407				

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	1	4.00
Total Alkalinity		100	mg/Kg as CaCo3	1	4.00

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	76.7 - 106

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		189000	mg/Kg	10	100

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Sample: 220707 - Cell #3

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2010-02-12	Analyzed By:	SS
QC Batch:	67518	Sample Preparation:	2010-02-12	Prepared By:	SS
Prep Batch:	57756				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		406	mg/Kg	2	10.0

Sample: 220707 - Cell #3

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67165	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57436				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1520	uMHOS/cm	1	0.00

Sample: 220707 - Cell #3

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1160	mg/Kg	1	100

Sample: 220707 - Cell #3

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3720	mg/Kg	1	100

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Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		163	mg/Kg	1	100

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.99	s.u.	1	2.00

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		126	mg/Kg	1	25.0

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		0.954	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220707 - Cell #3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		83.5	mg/Kg	1	10.0

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	1	4.00
Total Alkalinity		133	mg/Kg as CaCo3	1	4.00

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.61	mg/Kg	1	2.00	80	76.7 - 106

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Ca, Total Analytical Method: S 6010B Prep Method: S 3050B
QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 Sample Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		97800	mg/Kg	10	100

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 67211 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57486 Sample Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		232	mg/Kg	1	10.0

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 67165 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57436 Sample Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1490	uMHOS/cm	1	0.00

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Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1320	mg/Kg	1	100

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2520	mg/Kg	1	100

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		929	mg/Kg	1	100

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.59	s.u.	1	2.00

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Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67518
Prep Batch: 57756

Analytical Method: E 300.0
Date Analyzed: 2010-02-12
Sample Preparation: 2010-02-12

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		548	mg/Kg	5	25.0

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		0.500	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220708 - Cell #4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		168	mg/Kg	1	10.0

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Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		250	mg/Kg as CaCo3	1	4.00
Total Alkalinity		250	mg/Kg as CaCo3	1	4.00

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	1	2.00	82	76.7 - 106

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		205000	mg/Kg	10	100

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Sample: 220709 - Cell #5

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67211	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57486				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		273	mg/Kg	1	10.0

Sample: 220709 - Cell #5

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67165	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57436				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		846	uMHOS/cm	1	0.00

Sample: 220709 - Cell #5

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		831	mg/Kg	1	100

Sample: 220709 - Cell #5

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3240	mg/Kg	1	100

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Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		103	mg/Kg	1	100

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.11	s.u.	1	2.00

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		159	mg/Kg	1	25.0

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.31	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220709 - Cell #5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		70.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	1	4.00

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.84	mg/Kg	1	2.00	92	76.7 - 106

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		199000	mg/Kg	10	100

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67518
Prep Batch: 57756

Analytical Method: E 300.0
Date Analyzed: 2010-02-12
Sample Preparation: 2010-02-12

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3560	mg/Kg	20	10.0

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67165
Prep Batch: 57436

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		6200	uMHOS/cm	1	0.00

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Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		789	mg/Kg	1	100

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3140	mg/Kg	1	100

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1580	mg/Kg	1	100

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.85	s.u.	1	2.00

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Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		120	mg/Kg	1	25.0

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.39	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220710 - Cell #7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		542	mg/Kg as CaCo3	1	4.00
Total Alkalinity		542	mg/Kg as CaCo3	1	4.00

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.10	mg/Kg	1	2.00	105	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.69	mg/Kg	1	2.00	84	76.7 - 106

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		113000	mg/Kg	10	100

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Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		31.9	mg/Kg	1	10.0

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67165
Prep Batch: 57436

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		721	uMHOS/cm	1	0.00

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1060	mg/Kg	1	100

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2920	mg/Kg	1	100

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Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		<100	mg/Kg	1	100

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.34	s.u.	1	2.00

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		505	mg/Kg	1	25.0

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.76	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220711 - Cell #9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		150	mg/Kg as CaCo3	1	4.00
Total Alkalinity		150	mg/Kg as CaCo3	1	4.00

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.05	mg/Kg	1	2.00	103	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	76.7 - 106

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		90600	mg/Kg	10	100

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		454	mg/Kg	1	10.0

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67165
Prep Batch: 57436

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2030	uMHOS/cm	1	0.00

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Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1340	mg/Kg	1	100

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3390	mg/Kg	1	100

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		644	mg/Kg	1	100

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.11	s.u.	1	2.00

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Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		375	mg/Kg	1	25.0

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67138
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.81	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220712 - Cell #11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		48.3	mg/Kg	1	10.0

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Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	1	4.00
Total Alkalinity		133	mg/Kg as CaCo3	1	4.00

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.61	mg/Kg	1	2.00	80	76.7 - 106

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		7960	mg/Kg	10	100

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Sample: 220713 - Cell #12

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67211	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57486				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		206	mg/Kg	1	10.0

Sample: 220713 - Cell #12

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67165	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57436				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1630	uMHOS/cm	1	0.00

Sample: 220713 - Cell #12

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2540	mg/Kg	1	100

Sample: 220713 - Cell #12

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67229	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3780	mg/Kg	1	100

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Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		437	mg/Kg	1	100

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.11	s.u.	1	2.00

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		507	mg/Kg	1	25.0

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67150
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL	Units	Dilution	RL
		Result			RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.30	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220713 - Cell #12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL	Units	Dilution	RL
		Result			RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67232
Prep Batch: 57497

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		125	mg/Kg as CaCo3	1	4.00
Total Alkalinity		125	mg/Kg as CaCo3	1	4.00

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	1	2.00	101	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.59	mg/Kg	1	2.00	80	76.7 - 106

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		8070	mg/Kg	1	100

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		445	mg/Kg	1	10.0

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67165
Prep Batch: 57436

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1440	uMHOS/cm	1	0.00

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Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2560	mg/Kg	1	100

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3210	mg/Kg	1	100

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67229
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		417	mg/Kg	1	100

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.82	s.u.	1	2.00

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Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67211
Prep Batch: 57486

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		378	mg/Kg	1	25.0

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.59	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220714 - Cell #13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		17.0	mg/Kg	1	10.0

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Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		183	mg/Kg as CaCo3	1	4.00
Total Alkalinity		183	mg/Kg as CaCo3	1	4.00

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	76.7 - 106

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		116000	mg/Kg	10	100

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Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		126	mg/Kg	1	10.0

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67166
Prep Batch: 57437

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		613	uMHOS/cm	1	0.00

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1110	mg/Kg	1	100

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3360	mg/Kg	1	100

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Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		213	mg/Kg	1	100

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.51	s.u.	1	2.00

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		152	mg/Kg	1	25.0

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.69	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220715 - Cell #14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		108	mg/Kg as CaCo3	1	4.00
Total Alkalinity		108	mg/Kg as CaCo3	1	4.00

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.72	mg/Kg	1	2.00	86	76.7 - 106

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		102000	mg/Kg	10	100

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67518
Prep Batch: 57756

Analytical Method: E 300.0
Date Analyzed: 2010-02-12
Sample Preparation: 2010-02-12

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		662	mg/Kg	2	10.0

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67166
Prep Batch: 57437

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2020	uMHOS/cm	1	0.00

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Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1220	mg/Kg	1	100

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3670	mg/Kg	1	100

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1170	mg/Kg	1	100

Sample: 220716 - Cell #15

Laboratory: Lubbock
Analysis: pH
QC Batch: 67184
Prep Batch: 57432

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.43	s.u.	1	2.00

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Sample: 220716 - Cell #15

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67213	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57488				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		395	mg/Kg	1	25.0

Sample: 220716 - Cell #15

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	RR
QC Batch:	67139	Sample Preparation:	2010-01-29	Prepared By:	KV
Prep Batch:	57402	TCLP Extraction:	2010-01-28	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2010-01-29	Analyzed By:	TP
QC Batch:	67151	Sample Preparation:	2010-01-29	Prepared By:	TP
Prep Batch:	57403	TCLP Extraction:	2010-01-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.66	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220716 - Cell #15

Laboratory:	Lubbock	Analytical Method:	E 418.1	Prep Method:	N/A
Analysis:	TPH 418.1	Date Analyzed:	2010-01-29	Analyzed By:	DS
QC Batch:	67132	Sample Preparation:	2010-01-28	Prepared By:	DS
Prep Batch:	57407				

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		125	mg/Kg as CaCo3	1	4.00
Total Alkalinity		125	mg/Kg as CaCo3	1	4.00

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	75.5 - 105
4-Bromofluorobenzene (4-BFB)	¹	1.50	mg/Kg	1	2.00	75	76.7 - 106

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		68900	mg/Kg	10	100

¹BFB surrogate recovery outside normal limits.

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Sample: 220717 - Cell #16

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67213	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57488				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		105	mg/Kg	1	10.0

Sample: 220717 - Cell #16

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2010-01-29	Analyzed By:	SS
QC Batch:	67166	Sample Preparation:	2010-01-29	Prepared By:	SS
Prep Batch:	57437				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1960	uMHOS/cm	1	0.00

Sample: 220717 - Cell #16

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67230	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1500	mg/Kg	1	100

Sample: 220717 - Cell #16

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2010-02-02	Analyzed By:	RR
QC Batch:	67230	Sample Preparation:	2010-02-02	Prepared By:	KV
Prep Batch:	57482				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		4620	mg/Kg	1	100

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Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		267	mg/Kg	1	100

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: pH
QC Batch: 67186
Prep Batch: 57433

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.05	s.u.	1	2.00

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67518
Prep Batch: 57756

Analytical Method: E 300.0
Date Analyzed: 2010-02-12
Sample Preparation: 2010-02-12

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3730	mg/Kg	10	25.0

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.23	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220717 - Cell #16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		168	mg/Kg as CaCo3	1	4.00
Total Alkalinity		168	mg/Kg as CaCo3	1	4.00

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.54	mg/Kg	1	2.00	77	76.7 - 106

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		79300	mg/Kg	10	100

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67518
Prep Batch: 57756

Analytical Method: E 300.0
Date Analyzed: 2010-02-12
Sample Preparation: 2010-02-12

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		832	mg/Kg	5	10.0

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67166
Prep Batch: 57437

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2020	uMHOS/cm	1	0.00

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Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1000	mg/Kg	1	100

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2750	mg/Kg	1	100

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		121	mg/Kg	1	100

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: pH
QC Batch: 67186
Prep Batch: 57433

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.83	s.u.	1	2.00

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Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		33.3	mg/Kg	1	25.0

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.18	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220718 - Cell #17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		218	mg/Kg as CaCo3	1	4.00
Total Alkalinity		218	mg/Kg as CaCo3	1	4.00

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	76.7 - 106

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		7520	mg/Kg	1	100

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Sample: 220719 - Cell #19

Laboratory:	Lubbock		
Analysis:	Chloride (IC)	Analytical Method:	E 300.0
QC Batch:	67213	Date Analyzed:	2010-01-29
Prep Batch:	57488	Sample Preparation:	2010-01-29
		Prep Method:	N/A
		Analyzed By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		188	mg/Kg	1	10.0

Sample: 220719 - Cell #19

Laboratory:	Lubbock		
Analysis:	Conductivity	Analytical Method:	SM 2510B
QC Batch:	67166	Date Analyzed:	2010-01-29
Prep Batch:	57437	Sample Preparation:	2010-01-29
		Prep Method:	N/A
		Analyzed By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		871	uMHOS/cm	1	0.00

Sample: 220719 - Cell #19

Laboratory:	Lubbock		
Analysis:	K, Total	Analytical Method:	S 6010B
QC Batch:	67230	Date Analyzed:	2010-02-02
Prep Batch:	57482	Sample Preparation:	2010-02-02
		Prep Method:	S 3050B
		Analyzed By:	RR
		Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1250	mg/Kg	1	100

Sample: 220719 - Cell #19

Laboratory:	Lubbock		
Analysis:	Mg, Total	Analytical Method:	S 6010B
QC Batch:	67230	Date Analyzed:	2010-02-02
Prep Batch:	57482	Sample Preparation:	2010-02-02
		Prep Method:	S 3050B
		Analyzed By:	RR
		Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1750	mg/Kg	1	100

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Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		187	mg/Kg	1	100

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: pH
QC Batch: 67186
Prep Batch: 57433

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.18	s.u.	1	2.00

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		119	mg/Kg	1	25.0

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

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Parameter	Flag	RL	Units	Dilution	RL
		Result			
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.62	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220719 - Cell #19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 67233
Prep Batch: 57498

Analytical Method: SM 2320B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		242	mg/Kg as CaCo3	1	4.00
Total Alkalinity		242	mg/Kg as CaCo3	1	4.00

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 67061
Prep Batch: 57348

Analytical Method: S 8021B
Date Analyzed: 2010-01-26
Sample Preparation: 2010-01-26

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.04	mg/Kg	1	2.00	102	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.81	mg/Kg	1	2.00	90	76.7 - 106

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		245000	mg/Kg	10	100

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		360	mg/Kg	1	10.0

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 67166
Prep Batch: 57437

Analytical Method: SM 2510B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1280	uMHOS/cm	1	0.00

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Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1030	mg/Kg	1	100

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3700	mg/Kg	1	100

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 67230
Prep Batch: 57482

Analytical Method: S 6010B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		208	mg/Kg	1	100

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: pH
QC Batch: 67186
Prep Batch: 57433

Analytical Method: SM 4500-H+
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.04	s.u.	1	2.00

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Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 67213
Prep Batch: 57488

Analytical Method: E 300.0
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29

Prep Method: N/A
Analyzed By: SS
Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		353	mg/Kg	1	25.0

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67139
Prep Batch: 57402

Analytical Method: S 6010B
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 67151
Prep Batch: 57403

Analytical Method: S 7470A
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-29
TCLP Extraction: 2010-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.80	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 220720 - Cell #21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 67132
Prep Batch: 57407

Analytical Method: E 418.1
Date Analyzed: 2010-01-29
Sample Preparation: 2010-01-28

Prep Method: N/A
Analyzed By: DS
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Method Blank (1) QC Batch: 67061

QC Batch: 67061
Prep Batch: 57348

Date Analyzed: 2010-01-26
QC Preparation: 2010-01-26

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00242	mg/Kg	0.02
Toluene		<0.00335	mg/Kg	0.02
Ethylbenzene		<0.00357	mg/Kg	0.02
Xylene		<0.00388	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	95	76.7 - 106

Method Blank (1) QC Batch: 67132

QC Batch: 67132
Prep Batch: 57407

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-28

Analyzed By: DS
Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Method Blank (1) QC Batch: 67138

QC Batch: 67138
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0133	mg/L	0.125
TCLP Arsenic		<0.0591	mg/L	0.1
TCLP Barium		<0.0265	mg/L	0.1
TCLP Cadmium		<0.00450	mg/L	0.05
TCLP Chromium		<0.0820	mg/L	0.1
TCLP Lead		<0.0275	mg/L	0.1
TCLP Selenium		<0.0604	mg/L	0.5

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Method Blank (1) QC Batch: 67139

QC Batch: 67139
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0133	mg/L	0.125
TCLP Arsenic		<0.0591	mg/L	0.1
TCLP Barium		<0.0265	mg/L	0.1
TCLP Cadmium		<0.00450	mg/L	0.05
TCLP Chromium		<0.0820	mg/L	0.1
TCLP Lead		<0.0275	mg/L	0.1
TCLP Selenium		<0.0604	mg/L	0.5

Method Blank (1) QC Batch: 67150

QC Batch: 67150
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000336	mg/L	0.005

Method Blank (1) QC Batch: 67151

QC Batch: 67151
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000336	mg/L	0.005

Method Blank (1) QC Batch: 67165

QC Batch: 67165
Prep Batch: 57436

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.751	uMHOS/cm	

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Method Blank (1) QC Batch: 67166

QC Batch: 67166 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57437 QC Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.780	uMHOS/cm	

Method Blank (1) QC Batch: 67211

QC Batch: 67211 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57486 QC Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.239	mg/Kg	10

Method Blank (1) QC Batch: 67211

QC Batch: 67211 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57486 QC Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.224	mg/Kg	25

Method Blank (1) QC Batch: 67213

QC Batch: 67213 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57488 QC Preparation: 2010-01-29 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.239	mg/Kg	10

Method Blank (1) QC Batch: 67213

QC Batch: 67213 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57488 QC Preparation: 2010-01-29 Prepared By: SS

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Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.224	mg/Kg	25

Method Blank (1) QC Batch: 67229

QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 QC Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<5.03	mg/Kg	100

Method Blank (1) QC Batch: 67229

QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 QC Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<16.1	mg/Kg	100

Method Blank (1) QC Batch: 67229

QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 QC Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<6.53	mg/Kg	100

Method Blank (1) QC Batch: 67229

QC Batch: 67229 Date Analyzed: 2010-02-02 Analyzed By: RR
Prep Batch: 57482 QC Preparation: 2010-02-02 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<8.62	mg/Kg	100

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Method Blank (1) QC Batch: 67230

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<5.03	mg/Kg	100

Method Blank (1) QC Batch: 67230

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<16.1	mg/Kg	100

Method Blank (1) QC Batch: 67230

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<6.53	mg/Kg	100

Method Blank (1) QC Batch: 67230

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<8.62	mg/Kg	100

Method Blank (1) QC Batch: 67232

QC Batch: 67232
Prep Batch: 57497

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: KV
Prepared By: KV

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Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 67233

QC Batch: 67233 Date Analyzed: 2010-02-01 Analyzed By: KV
Prep Batch: 57498 QC Preparation: 2010-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 67518

QC Batch: 67518 Date Analyzed: 2010-02-12 Analyzed By: SS
Prep Batch: 57756 QC Preparation: 2010-02-12 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.239	mg/Kg	10

Method Blank (1) QC Batch: 67518

QC Batch: 67518 Date Analyzed: 2010-02-12 Analyzed By: SS
Prep Batch: 57756 QC Preparation: 2010-02-12 Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.224	mg/Kg	25

Duplicates (1) Duplicated Sample: 220714

QC Batch: 67165 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57436 QC Preparation: 2010-01-29 Prepared By: SS

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Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1430	1440	uMHOS/cm	1	1	20

Duplicates (1) Duplicated Sample: 220720

QC Batch: 67166 Date Analyzed: 2010-01-29 Analyzed By: SS
Prep Batch: 57437 QC Preparation: 2010-01-29 Prepared By: SS

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1290	1280	uMHOS/cm	1	1	20

Duplicates (1) Duplicated Sample: 220716

QC Batch: 67184 Date Analyzed: 2010-01-29 Analyzed By: KV
Prep Batch: 57432 QC Preparation: 2010-01-29 Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.44	8.43	s.u.	1	0	20

Duplicates (1) Duplicated Sample: 220720

QC Batch: 67186 Date Analyzed: 2010-01-29 Analyzed By: KV
Prep Batch: 57433 QC Preparation: 2010-01-29 Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.99	8.04	s.u.	1	1	20

Duplicates (1) Duplicated Sample: 220713

QC Batch: 67232 Date Analyzed: 2010-02-01 Analyzed By: KV
Prep Batch: 57497 QC Preparation: 2010-02-01 Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	137	133	mg/Kg as CaCo3	1	3	20
Total Alkalinity	137	133	mg/Kg as CaCo3	1	3	20

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Duplicates (1) Duplicated Sample: 220720

QC Batch: 67233
Prep Batch: 57498

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: KV
Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	237	242	mg/Kg as CaCo3	1	2	20
Total Alkalinity	237	242	mg/Kg as CaCo3	1	2	20

Laboratory Control Spike (LCS-1)

QC Batch: 67061
Prep Batch: 57348

Date Analyzed: 2010-01-26
QC Preparation: 2010-01-26

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.81	mg/Kg	1	2.00	<0.00242	91	84.9 - 109
Toluene	1.81	mg/Kg	1	2.00	<0.00335	91	83.8 - 109
Ethylbenzene	1.88	mg/Kg	1	2.00	<0.00357	94	83.8 - 109
Xylene	5.84	mg/Kg	1	6.00	<0.00388	97	84.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.91	mg/Kg	1	2.00	<0.00242	96	84.9 - 109	5	20
Toluene	1.90	mg/Kg	1	2.00	<0.00335	95	83.8 - 109	5	20
Ethylbenzene	1.95	mg/Kg	1	2.00	<0.00357	98	83.8 - 109	4	20
Xylene	6.08	mg/Kg	1	6.00	<0.00388	101	84.6 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.00	2.07	mg/Kg	1	2.00	100	104	77.1 - 114
4-Bromofluorobenzene (4-BFB)	1.84	1.89	mg/Kg	1	2.00	92	94	75.6 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 67132
Prep Batch: 57407

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-28

Analyzed By: DS
Prepared By: DS

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	219	mg/Kg	1	250	<5.28	88	84.9 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	239	mg/Kg	1	250	<5.28	96	84.9 - 124	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67138
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0133	95	85 - 115
TCLP Arsenic	4.69	mg/L	1	5.00	<0.0591	94	85 - 115
TCLP Barium	9.05	mg/L	1	10.0	<0.0265	90	85 - 115
TCLP Cadmium	2.41	mg/L	1	2.50	<0.00450	96	85 - 115
TCLP Chromium	0.905	mg/L	1	1.00	<0.0820	90	85 - 115
TCLP Lead	4.82	mg/L	1	5.00	<0.0275	96	85 - 115
TCLP Selenium	4.45	mg/L	1	5.00	<0.0604	89	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0133	95	85 - 115	0	20
TCLP Arsenic	4.92	mg/L	1	5.00	<0.0591	98	85 - 115	5	20
TCLP Barium	9.33	mg/L	1	10.0	<0.0265	93	85 - 115	3	20
TCLP Cadmium	2.42	mg/L	1	2.50	<0.00450	97	85 - 115	0	20
TCLP Chromium	0.947	mg/L	1	1.00	<0.0820	95	85 - 115	4	20
TCLP Lead	4.99	mg/L	1	5.00	<0.0275	100	85 - 115	4	20
TCLP Selenium	4.48	mg/L	1	5.00	<0.0604	90	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67139
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

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control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0133	95	85 - 115
TCLP Arsenic	4.69	mg/L	1	5.00	<0.0591	94	85 - 115
TCLP Barium	9.33	mg/L	1	10.0	<0.0265	93	85 - 115
TCLP Cadmium	2.41	mg/L	1	2.50	<0.00450	96	85 - 115
TCLP Chromium	0.905	mg/L	1	1.00	<0.0820	90	85 - 115
TCLP Lead	4.82	mg/L	1	5.00	<0.0275	96	85 - 115
TCLP Selenium	4.45	mg/L	1	5.00	<0.0604	89	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0133	95	85 - 115	0	20
TCLP Arsenic	4.92	mg/L	1	5.00	<0.0591	98	85 - 115	5	20
TCLP Barium	9.33	mg/L	1	10.0	<0.0265	93	85 - 115	0	20
TCLP Cadmium	2.42	mg/L	1	2.50	<0.00450	97	85 - 115	0	20
TCLP Chromium	0.947	mg/L	1	1.00	<0.0820	95	85 - 115	4	20
TCLP Lead	4.99	mg/L	1	5.00	<0.0275	100	85 - 115	4	20
TCLP Selenium	4.48	mg/L	1	5.00	<0.0604	90	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67150
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0415	mg/L	1	0.0400	<0.000336	104	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0409	mg/L	1	0.0400	<0.000336	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67151
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0415	mg/L	1	0.0400	<0.000336	104	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0409	mg/L	1	0.0400	<0.000336	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67211
Prep Batch: 57486

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	230	mg/Kg	1	250	<0.239	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	229	mg/Kg	1	250	<0.239	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67211
Prep Batch: 57486

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	241	mg/Kg	1	250	<0.224	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	239	mg/Kg	1	250	<0.224	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67213
Prep Batch: 57488

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	228	mg/Kg	1	250	<0.239	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	231	mg/Kg	1	250	<0.239	92	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67213
Prep Batch: 57488

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	239	mg/Kg	1	250	<0.224	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	238	mg/Kg	1	250	<0.224	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	5630	mg/Kg	1	5000	<5.03	113	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	5550	mg/Kg	1	5000	<5.03	111	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Report Date: February 15, 2010
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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5560	mg/Kg	1	5000	<16.1	111	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	5360	mg/Kg	1	5000	<16.1	107	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	5490	mg/Kg	1	5000	<6.53	110	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	5450	mg/Kg	1	5000	<6.53	109	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5420	mg/Kg	1	5000	<8.62	108	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	5460	mg/Kg	1	5000	<8.62	109	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	5630	mg/Kg	1	5000	<5.03	113	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	5550	mg/Kg	1	5000	<5.03	111	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5360	mg/Kg	1	5000	<16.1	107	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	5360	mg/Kg	1	5000	<16.1	107	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	5450	mg/Kg	1	5000	<6.53	109	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	5450	mg/Kg	1	5000	<6.53	109	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5460	mg/Kg	1	5000	<8.62	109	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	5460	mg/Kg	1	5000	<8.62	109	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67518
Prep Batch: 57756

Date Analyzed: 2010-02-12
QC Preparation: 2010-02-12

Analyzed By: SS
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	238	mg/Kg	1	250	<0.239	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	240	mg/Kg	1	250	<0.239	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 67518
Prep Batch: 57756

Date Analyzed: 2010-02-12
QC Preparation: 2010-02-12

Analyzed By: SS
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	240	mg/Kg	1	250	<0.224	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	242	mg/Kg	1	250	<0.224	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220706

QC Batch: 67061
Prep Batch: 57348

Date Analyzed: 2010-01-26
QC Preparation: 2010-01-26

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.40	mg/Kg	1	2.00	<0.00242	70	59.5 - 110
Toluene	1.50	mg/Kg	1	2.00	<0.00335	75	62.2 - 116
Ethylbenzene	1.58	mg/Kg	1	2.00	<0.00357	79	64.6 - 124
Xylene	4.97	mg/Kg	1	6.00	<0.00388	83	68.2 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.44	mg/Kg	1	2.00	<0.00242	72	59.5 - 110	3	20
Toluene	1.54	mg/Kg	1	2.00	<0.00335	77	62.2 - 116	3	20
Ethylbenzene	1.61	mg/Kg	1	2.00	<0.00357	80	64.6 - 124	2	20
Xylene	5.06	mg/Kg	1	6.00	<0.00388	84	68.2 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.17	2.06	mg/Kg	1	2	108	103	79.9 - 123
4-Bromofluorobenzene (4-BFB)	1.90	1.76	mg/Kg	1	2	95	88	73.1 - 128

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67132
Prep Batch: 57407

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-28

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	253	mg/Kg	1	250	<5.28	101	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	253	mg/Kg	1	250	<5.28	101	10 - 196	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220691

QC Batch: 67138
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.14	mg/L	1	1.25	<0.0133	91	75 - 125

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Arsenic	5.65	mg/L	1	5.00	1.05	92	75 - 125
TCLP Barium	8.53	mg/L	1	10.0	<0.0265	85	75 - 125
TCLP Cadmium	2.29	mg/L	1	2.50	<0.00450	92	75 - 125
TCLP Chromium	0.847	mg/L	1	1.00	<0.0820	85	75 - 125
TCLP Lead	4.76	mg/L	1	5.00	<0.0275	95	75 - 125
TCLP Selenium	4.60	mg/L	1	5.00	0.1	90	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.16	mg/L	1	1.25	<0.0133	93	75 - 125	2	20
TCLP Arsenic	5.52	mg/L	1	5.00	1.05	89	75 - 125	2	20
TCLP Barium	8.29	mg/L	1	10.0	<0.0265	83	75 - 125	3	20
TCLP Cadmium	2.21	mg/L	1	2.50	<0.00450	88	75 - 125	4	20
TCLP Chromium	0.909	mg/L	1	1.00	<0.0820	91	75 - 125	7	20
TCLP Lead	4.53	mg/L	1	5.00	<0.0275	91	75 - 125	5	20
TCLP Selenium	4.45	mg/L	1	5.00	0.1	87	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220713

QC Batch: 67139
Prep Batch: 57402

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0133	95	75 - 125
TCLP Arsenic	4.96	mg/L	1	5.00	<0.0591	99	75 - 125
TCLP Barium	10.6	mg/L	1	10.0	1.3	93	75 - 125
TCLP Cadmium	2.42	mg/L	1	2.50	<0.00450	97	75 - 125
TCLP Chromium	0.946	mg/L	1	1.00	<0.0820	95	75 - 125
TCLP Lead	4.94	mg/L	1	5.00	<0.0275	99	75 - 125
TCLP Selenium	4.48	mg/L	1	5.00	<0.0604	90	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.16	mg/L	1	1.25	<0.0133	93	75 - 125	3	20
TCLP Arsenic	4.82	mg/L	1	5.00	<0.0591	96	75 - 125	3	20
TCLP Barium	10.5	mg/L	1	10.0	1.3	92	75 - 125	1	20
TCLP Cadmium	2.38	mg/L	1	2.50	<0.00450	95	75 - 125	2	20
TCLP Chromium	0.920	mg/L	1	1.00	<0.0820	92	75 - 125	3	20

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matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Lead	4.91	mg/L	1	5.00	<0.0275	98	75 - 125	1	20
TCLP Selenium	4.49	mg/L	1	5.00	<0.0604	90	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67150
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0392	mg/L	1	0.0400	<0.000336	98	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0409	mg/L	1	0.0400	<0.000336	102	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220714

QC Batch: 67151
Prep Batch: 57403

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0402	mg/L	1	0.0400	<0.000336	100	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0407	mg/L	1	0.0400	<0.000336	102	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220714

QC Batch: 67211
Prep Batch: 57486

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	714	mg/Kg	1	250	445	108	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	707	mg/Kg	1	250	445	105	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220714

QC Batch: 67211
Prep Batch: 57486

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	² 660	mg/Kg	1	250	378	113	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	653	mg/Kg	1	250	378	110	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220720

QC Batch: 67213
Prep Batch: 57488

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	631	mg/Kg	1	250	360	108	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	631	mg/Kg	1	250	360	108	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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Matrix Spike (MS-1) Spiked Sample: 220720

QC Batch: 67213
Prep Batch: 57488

Date Analyzed: 2010-01-29
QC Preparation: 2010-01-29

Analyzed By: SS
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	³ 635	mg/Kg	1	250	353	113	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	629	mg/Kg	1	250	353	110	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	97000	mg/Kg	1	5000	91500	110	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	95500	mg/Kg	1	5000	91500	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	6870	mg/Kg	1	5000	2590	86	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	7300	mg/Kg	1	5000	2590	94	75 - 125	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	11200	mg/Kg	1	5000	6890	86	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	11200	mg/Kg	1	5000	6890	86	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220705

QC Batch: 67229
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	6030	mg/Kg	1	5000	1070	99	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	7300	mg/Kg	1	5000	1070	125	75 - 125	19	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220715

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	121000	mg/Kg	1	5000	116000	100	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	121000	mg/Kg	1	5000	116000	100	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220715

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	6850	mg/Kg	1	5000	1110	115	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	6820	mg/Kg	1	5000	1110	114	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220715

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	8560	mg/Kg	1	5000	3360	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	8640	mg/Kg	1	5000	3360	106	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220715

QC Batch: 67230
Prep Batch: 57482

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: RR
Prepared By: KV

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5950	mg/Kg	1	5000	213	115	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	5910	mg/Kg	1	5000	213	114	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220717

QC Batch: 67518
Prep Batch: 57756

Date Analyzed: 2010-02-12
QC Preparation: 2010-02-12

Analyzed By: SS
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2400	mg/Kg	10	2500	<2.39	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2420	mg/Kg	10	2500	<2.39	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 220717

QC Batch: 67518
Prep Batch: 57756

Date Analyzed: 2010-02-12
QC Preparation: 2010-02-12

Analyzed By: SS
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	6390	mg/Kg	10	2500	3730	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	6330	mg/Kg	10	2500	3730	104	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 67061

Date Analyzed: 2010-01-26

Analyzed By: MT

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	80 - 120	2010-01-26
Toluene		mg/Kg	0.100	0.104	104	80 - 120	2010-01-26
Ethylbenzene		mg/Kg	0.100	0.108	108	80 - 120	2010-01-26
Xylene		mg/Kg	0.300	0.336	112	80 - 120	2010-01-26

Standard (CCV-2)

QC Batch: 67061

Date Analyzed: 2010-01-26

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0926	93	80 - 120	2010-01-26
Toluene		mg/Kg	0.100	0.0921	92	80 - 120	2010-01-26
Ethylbenzene		mg/Kg	0.100	0.0939	94	80 - 120	2010-01-26
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2010-01-26

Standard (CCV-3)

QC Batch: 67061

Date Analyzed: 2010-01-26

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0982	98	80 - 120	2010-01-26
Toluene		mg/Kg	0.100	0.0979	98	80 - 120	2010-01-26
Ethylbenzene		mg/Kg	0.100	0.0985	98	80 - 120	2010-01-26
Xylene		mg/Kg	0.300	0.309	103	80 - 120	2010-01-26

Standard (CCV-1)

QC Batch: 67132

Date Analyzed: 2010-01-29

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	87.0	87	80 - 120	2010-01-29

Standard (CCV-2)

QC Batch: 67132

Date Analyzed: 2010-01-29

Analyzed By: DS

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	99.1	99	80 - 120	2010-01-29

Standard (CCV-3)

QC Batch: 67132

Date Analyzed: 2010-01-29

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	88.9	89	80 - 120	2010-01-29

Standard (CCV-4)

QC Batch: 67132

Date Analyzed: 2010-01-29

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	89.4	89	80 - 120	2010-01-29

Standard (ICV-1)

QC Batch: 67138

Date Analyzed: 2010-01-29

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.250	0.239	96	90 - 110	2010-01-29
TCLP Arsenic		mg/L	2.00	1.96	98	90 - 110	2010-01-29
TCLP Barium		mg/L	1.00	0.921	92	90 - 110	2010-01-29
TCLP Cadmium		mg/L	1.00	0.923	92	90 - 110	2010-01-29
TCLP Chromium		mg/L	1.00	0.941	94	90 - 110	2010-01-29
TCLP Lead		mg/L	2.00	1.96	98	90 - 110	2010-01-29
TCLP Selenium		mg/L	1.00	0.924	92	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67138

Date Analyzed: 2010-01-29

Analyzed By: RR

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.123	98	90 - 110	2010-01-29
TCLP Arsenic		mg/L	1.00	0.975	98	90 - 110	2010-01-29
TCLP Barium		mg/L	1.00	0.973	97	90 - 110	2010-01-29
TCLP Cadmium		mg/L	1.00	0.972	97	90 - 110	2010-01-29
TCLP Chromium		mg/L	1.00	0.965	96	90 - 110	2010-01-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2010-01-29
TCLP Selenium		mg/L	1.00	0.973	97	90 - 110	2010-01-29

Standard (ICV-1)

QC Batch: 67139

Date Analyzed: 2010-01-29

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.250	0.239	96	90 - 110	2010-01-29
TCLP Arsenic		mg/L	2.00	1.96	98	90 - 110	2010-01-29
TCLP Barium		mg/L	1.00	0.921	92	90 - 110	2010-01-29
TCLP Cadmium		mg/L	1.00	0.923	92	90 - 110	2010-01-29
TCLP Chromium		mg/L	1.00	0.941	94	90 - 110	2010-01-29
TCLP Lead		mg/L	2.00	1.96	98	90 - 110	2010-01-29
TCLP Selenium		mg/L	1.00	0.924	92	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67139

Date Analyzed: 2010-01-29

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.122	98	90 - 110	2010-01-29
TCLP Arsenic		mg/L	1.00	0.971	97	90 - 110	2010-01-29
TCLP Barium		mg/L	1.00	0.947	95	90 - 110	2010-01-29
TCLP Cadmium		mg/L	1.00	0.972	97	90 - 110	2010-01-29
TCLP Chromium		mg/L	1.00	0.962	96	90 - 110	2010-01-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2010-01-29
TCLP Selenium		mg/L	1.00	0.972	97	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67150

Date Analyzed: 2010-01-29

Analyzed By: TP

Report Date: February 15, 2010
Annual Year End Sampling 2009

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GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00507	101	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67150

Date Analyzed: 2010-01-29

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00507	101	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67151

Date Analyzed: 2010-01-29

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00507	101	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67151

Date Analyzed: 2010-01-29

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00527	105	90 - 110	2010-01-29

Standard (ICV-1)

QC Batch: 67165

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	101	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67165

Date Analyzed: 2010-01-29

Analyzed By: SS

Report Date: February 15, 2010
Annual Year End Sampling 2009

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GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1430	101	90 - 110	2010-01-29

Standard (ICV-1)

QC Batch: 67166

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67166

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1430	101	90 - 110	2010-01-29

Standard (ICV-1)

QC Batch: 67184

Date Analyzed: 2010-01-29

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2010-01-29

Standard (CCV-1)

QC Batch: 67184

Date Analyzed: 2010-01-29

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2010-01-29

Standard (ICV-1)

QC Batch: 67186

Date Analyzed: 2010-01-29

Analyzed By: KV

Report Date: February 15, 2010
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GMI Landfarm

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2010-01-29

Standard (CCV-1)

QC Batch: 67186

Date Analyzed: 2010-01-29

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2010-01-29

Standard (CCV-1)

QC Batch: 67211

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	22.8	91	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67211

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	23.8	95	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67211

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.0	92	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67211

Date Analyzed: 2010-01-29

Analyzed By: SS

Report Date: February 15, 2010
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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.0	96	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67213

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.0	92	90 - 110	2010-01-29

Standard (CCV-1)

QC Batch: 67213

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.0	96	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67213

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	22.8	91	90 - 110	2010-01-29

Standard (CCV-2)

QC Batch: 67213

Date Analyzed: 2010-01-29

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.2	97	90 - 110	2010-01-29

Standard (ICV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Report Date: February 15, 2010
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GMI Landfarm

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	53.3	107	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	50.3	101	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	53.5	107	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	50.9	102	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	52.5	105	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Report Date: February 15, 2010
Annual Year End Sampling 2009

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GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	51.2	102	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	52.3	105	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67229

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	52.1	104	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	53.3	107	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	50.3	101	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Report Date: February 15, 2010
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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	53.5	107	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	50.9	102	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	53.9	108	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	51.4	103	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	54.6	109	90 - 110	2010-02-02

Standard (CCV-1)

QC Batch: 67230

Date Analyzed: 2010-02-02

Analyzed By: RR

Report Date: February 15, 2010
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GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	52.1	104	90 - 110	2010-02-02

Standard (ICV-1)

QC Batch: 67232

Date Analyzed: 2010-02-01

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	251	100	95 - 105	2010-02-01

Standard (CCV-1)

QC Batch: 67232

Date Analyzed: 2010-02-01

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	255	102	95 - 105	2010-02-01

Standard (ICV-1)

QC Batch: 67233

Date Analyzed: 2010-02-01

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	255	102	95 - 105	2010-02-01

Standard (CCV-1)

QC Batch: 67233

Date Analyzed: 2010-02-01

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	250	100	95 - 105	2010-02-01

Standard (CCV-1)

QC Batch: 67518

Date Analyzed: 2010-02-12

Analyzed By: SS

Report Date: February 15, 2010
Annual Year End Sampling 2009

Work Order: 10012617
GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	24.0	96	90 - 110	2010-02-12

Standard (CCV-1)

QC Batch: 67518

Date Analyzed: 2010-02-12

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.2	97	90 - 110	2010-02-12

Standard (CCV-2)

QC Batch: 67518

Date Analyzed: 2010-02-12

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	24.1	96	90 - 110	2010-02-12

Standard (CCV-2)

QC Batch: 67518

Date Analyzed: 2010-02-12

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.4	98	90 - 110	2010-02-12

August 30, 2008
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

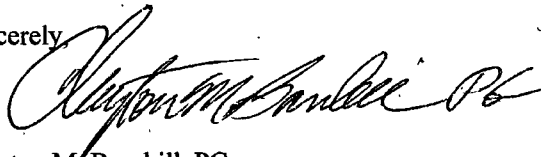
**Re: Submittal of Quarterly Monitoring Report for Year 2008
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

2008 SEP 13 PM 2 11
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**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Bill Marley, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

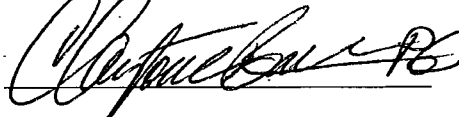
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **August 30, 2008**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/08

Date:

08/30/2008

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the second quarter of monitoring year 2008 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

Second quarter 2008 sampling / monitoring was performed on July 29, 2008. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0100 PPM BTEX, and TPH concentrations (≤ 311 PPM TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below <0.01 PPM, and TPH Concentrations ≤ 311 PPM.

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Satellite Image / Topographic Map with sample locations plotted		X

LIST OF TABLES

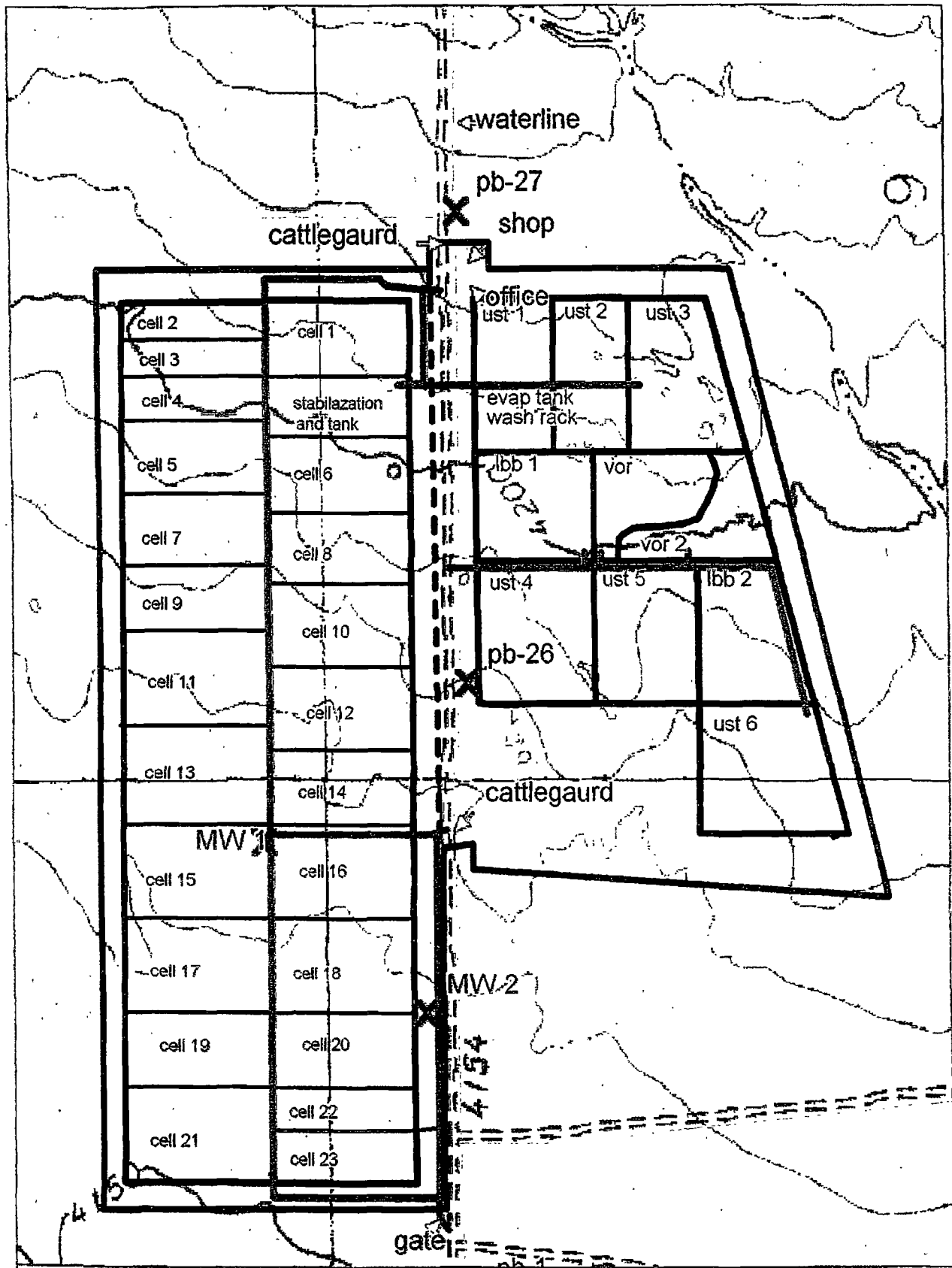
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

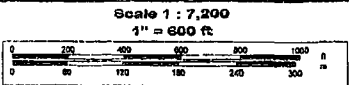
Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 30, 2008

Figures:

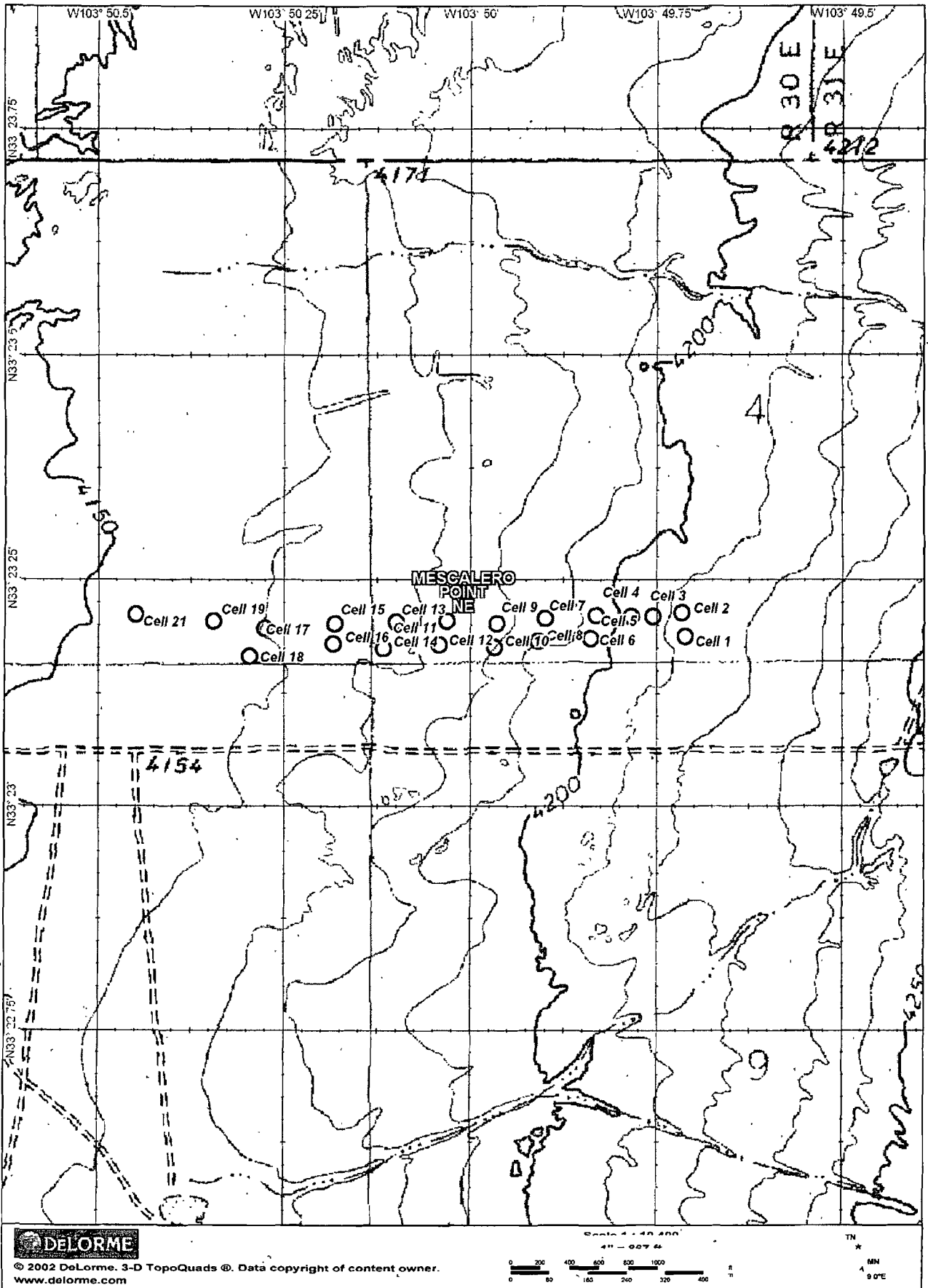


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TM 8N 9.0°E



Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 30, 2008

Tables:

Report Date: August 12, 2008
2nd Quarter Soil Sampling 2008

Work Order: 8073133
GMI Landfarm

Page Number: 1 of 2
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: August 12, 2008

Work Order: 8073133



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter Soil Sampling 2008

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
169070	Cell 1	soil	2008-07-29	10:30	2008-07-31
169071	Cell 2	soil	2008-07-29	10:40	2008-07-31
169072	Cell 3	soil	2008-07-29	12:45	2008-07-31
169073	Cell 4	soil	2008-07-29	12:55	2008-07-31
169074	Cell 5	soil	2008-07-29	13:05	2008-07-31
169075	Cell 6	soil	2008-07-29	13:10	2008-07-31
169076	Cell 7	soil	2008-07-29	13:20	2008-07-31
169077	Cell 8	soil	2008-07-29	13:25	2008-07-31
169078	Cell 9	soil	2008-07-29	13:30	2008-07-31
169079	Cell 10	soil	2008-07-29	13:35	2008-07-31
169080	Cell 11	soil	2008-07-29	13:45	2008-07-31
169081	Cell 12	soil	2008-07-29	13:50	2008-07-31
169082	Cell 13	soil	2008-07-29	13:55	2008-07-31
169083	Cell 14	soil	2008-07-29	14:00	2008-07-31
169084	Cell 15	soil	2008-07-29	14:10	2008-07-31
169085	Cell 16	soil	2008-07-29	14:25	2008-07-31
169086	Cell 17	soil	2008-07-29	14:35	2008-07-31
169087	Cell 18	soil	2008-07-29	14:55	2008-07-31
169088	Cell 19	soil	2008-07-29	14:40	2008-07-31
169089	Cell 21	soil	2008-07-29	14:45	2008-07-31

Sample - Field Code	BTEx				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
169070 - Cell 1	<0.0100	<0.0100	<0.0100	<0.0100		173
169071 - Cell 2	<0.0100	<0.0100	<0.0100	<0.0100		123
169072 - Cell 3	<0.0100	<0.0100	<0.0100	<0.0100		178
169073 - Cell 4	<0.0100	<0.0100	<0.0100	<0.0100		215
169074 - Cell 5	<0.0100	<0.0100	<0.0100	<0.0100		221

continued ...

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296
This is only a summary. Please, refer to the complete report package for quality control data.

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
169075 - Cell 6	<0.0100	<0.0100	<0.0100	<0.0100		261
169076 - Cell 7	<0.0100	<0.0100	<0.0100	<0.0100		281
169077 - Cell 8	<0.0100	<0.0100	<0.0100	<0.0100		311
169078 - Cell 9	<0.0100	<0.0100	<0.0100	<0.0100		147
169079 - Cell 10	<0.0100	<0.0100	<0.0100	<0.0100		189
169080 - Cell 11	<0.0100	<0.0100	<0.0100	<0.0100		103
169081 - Cell 12	<0.0100	<0.0100	<0.0100	<0.0100		120
169082 - Cell 13	<0.0100	<0.0100	<0.0100	<0.0100		137
169083 - Cell 14	<0.0100	<0.0100	<0.0100	<0.0100		147
169084 - Cell 15	<0.0100	<0.0100	<0.0100	<0.0100		190
169085 - Cell 16	<0.0100	<0.0100	<0.0100	<0.0100		169
169086 - Cell 17	<0.0100	<0.0100	<0.0100	<0.0100		154
169087 - Cell 18	<0.0500	<0.0500	<0.0500	<0.0500		211
169088 - Cell 19	<0.0100	<0.0100	<0.0100	<0.0100		182
169089 - Cell 21	<0.0100	<0.0100	<0.0100	<0.0100		140

Appendix 1
Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location GMI Landfarm Date 07/29/08

Project / Client Second Quarter 2008
Soil Sampling @ GMI Landfarm By: CMB

NMOLD SIDE

Page 1 of 3

Cell# Time GPS Coordinates Remarks

Cell 1 10:30 33° 23.188 N
103° 49.712 W Brown clayey sand
No odor or stain
3' BGS

Cell 2 10:40 33° 23.214 N
103° 49.717 W Red clayey sand
No odor or stain
3' BGS

Cell 3 12:45 33° 23.210 N
103° 49.756 W Tan brown clayey sand
w/white calcic
No odor or stain
3' BGS

Cell 4 12:55 33° 23.210 N
103° 49.785 W Brown clayey sand w/calcic
No odor or stain
3' BGS

Cell 5 13:05 33° 23.211 N
103° 49.832 W Brown clayey sand
No odor or stain
3' BGS

Cell 6 13:10 33° 23.186 N
103° 49.839 W Brown clayey sand
No odor or stain
3' BGS

Cell 7 13:20 33° 23.208 N
103° 49.900 W Tan brown clayey sand
No odor or stain
3' BGS

Location GMI Landfarm Date 07/29/08

Project / Client Second Qtr. 2008 Soil Sampling
@ GMI Landfarm By: CMB

NMOLD SIDE

Page 2 of 3

Cell# Time GPS Coordinates Remarks

Cell 8 13:25 33° 23.183 N
103° 49.909 W Tan brown clayey sand
w/white calcic
No odor or stain
3' BGS

Cell 9 13:30 33° 23.202 N
103° 49.965 W Tan brown clayey sand w/calcic
No odor or stain
3' BGS

Cell 10 13:35 33° 23.176 N
103° 49.968 W Brown clayey sand
No odor or stain
3' BGS

Cell 11 13:45 33° 23.205 N
103° 50.032 W Brown clayey sand
No odor or stain
3' BGS

Cell 12 13:50 33° 23.179 N
103° 50.042 W Red Brown clayey sand
No odor or stain
3' BGS

Cell 13 13:55 33° 23.204 N
103° 50.100 W Brown clayey sand
No odor or stain
3' BGS

Cell 14 14:00 33° 23.175 N
103° 50.117 W Tan brown clayey sand
w/white calcic
No odor or stain
3' BGS

Location GMI Landfarm Date 07/29/08Project / Client Second QTR 2008 Soil Sampling@ GMI Landfarm By: CMENMOLD SITEPage 3 of 3

Cell #	Time	GPS Coordinates	Remarks
Cell 15	1410	33° 23. 202 N 103° 50. 182 W	Red Clayey Sand w/ iron or stain c 3' BGS
Cell 16	1425	33° 23. 180 N 103° 50. 184 W	Tan brown to red clayey Sand w/ stain 3' BGS
Cell 17	1435	33° 23. 197 N 103° 50. 276 W	Tan brown clayey sand w/ bolliche No stain or stain 3' BGS
Cell 18	1455	33° 23. 166 N 103° 50. 296 W	Brown clayey Sand w/ stain or stain c 10' BGS
Cell 19	1440	33° 23. 205 N 103° 50. 345 W	Red Clayey Sand w/ stain 3' BGS
Cell 21	1445	33° 23. 212 N 103 50. 450 W	Brown clayey Sand w/ stain No stain or stain 10' BGS

Appendix 3

TRACE ANALYSIS, INC.

6731 Aberdeen Avenue, Suite B Lubbock, Texas 79424 806•794•1295 806•794•1296 FAX 806•794•1296
201 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 915•585•3443 FAX 915•585•3444
5002 Egan Street, Suite A1 Midland, Texas 79703 409•684•6301 409•684•6301 FAX 409•684•6303
5015 Harris Parkway, Suite 110 Ft. Worth, Texas 76137 817•201•4260 817•201•4260 FAX 817•201•4260
E-Mail: lab@traceanalysis.com

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: August 12, 2008

Work Order: 8073133



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter Soil Sampling 2008

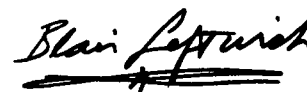
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
169070	Cell 1	soil	2008-07-29	10:30	2008-07-31
169071	Cell 2	soil	2008-07-29	10:40	2008-07-31
169072	Cell 3	soil	2008-07-29	12:45	2008-07-31
169073	Cell 4	soil	2008-07-29	12:55	2008-07-31
169074	Cell 5	soil	2008-07-29	13:05	2008-07-31
169075	Cell 6	soil	2008-07-29	13:10	2008-07-31
169076	Cell 7	soil	2008-07-29	13:20	2008-07-31
169077	Cell 8	soil	2008-07-29	13:25	2008-07-31
169078	Cell 9	soil	2008-07-29	13:30	2008-07-31
169079	Cell 10	soil	2008-07-29	13:35	2008-07-31

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
169080	Cell 11	soil	2008-07-29	13:45	2008-07-31
169081	Cell 12	soil	2008-07-29	13:50	2008-07-31
169082	Cell 13	soil	2008-07-29	13:55	2008-07-31
169083	Cell 14	soil	2008-07-29	14:00	2008-07-31
169084	Cell 15	soil	2008-07-29	14:10	2008-07-31
169085	Cell 16	soil	2008-07-29	14:25	2008-07-31
169086	Cell 17	soil	2008-07-29	14:35	2008-07-31
169087	Cell 18	soil	2008-07-29	14:55	2008-07-31
169088	Cell 19	soil	2008-07-29	14:40	2008-07-31
169089	Cell 21	soil	2008-07-29	14:45	2008-07-31

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

This report consists of a total of 25 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr: Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2008-07-31 and assigned to work order 8073133. Samples for work order 8073133 were received intact without headspace and at a temperature of 3.8 deg. C.

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

Test	Method
BTEX	S 8021B
TPH 418.1	E 418.1

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8073133 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Report Date: August 12, 2008
2nd Quarter Soil Sampling 2008

Work Order: 8073133
GMI Landfarm

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Analytical Report

Sample: 169070 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.919	mg/Kg	1	1.00	92	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.950	mg/Kg	1	1.00	95	54.4 - 176.2

Sample: 169070 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		173	mg/Kg	1	10.0

Sample: 169071 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Report Date: August 12, 2008
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GMI Landfarm

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.896	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.942	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169071 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		123	mg/Kg	1	10.0

Sample: 169072 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.902	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.941	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169072 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		178	mg/Kg	1	10.0

Sample: 169073 - Cell 4

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 50989

Prep Batch: 43749

Analytical Method: S 8021B

Date Analyzed: 2008-07-31

Sample Preparation: 2008-07-31

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.912	mg/Kg	1	1.00	91	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.933	mg/Kg	1	1.00	93	54.4 - 176.2

Sample: 169073 - Cell 4

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 51213

Prep Batch: 43940

Analytical Method: E 418.1

Date Analyzed: 2008-08-07

Sample Preparation: 2008-08-05

Prep Method: N/A

Analyzed By: MN

Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		215	mg/Kg	1	10.0

Sample: 169074 - Cell 5

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 50989

Prep Batch: 43749

Analytical Method: S 8021B

Date Analyzed: 2008-07-31

Sample Preparation: 2008-07-31

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

continued ...

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sample 169074 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.900	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.938	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169074 - Cell 5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		221	mg/Kg	1	10.0

Sample: 169075 - Cell 6

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.901	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.919	mg/Kg	1	1.00	92	54.4 - 176.2

Report Date: August 12, 2008
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Sample: 169075 - Cell 6

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		261	mg/Kg	1	10.0

Sample: 169076 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.922	mg/Kg	1	1.00	92	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169076 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		281	mg/Kg	1	10.0

Report Date: August 12, 2008
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Sample: 169077 - Cell 8

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.902	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.943	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169077 - Cell 8

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		311	mg/Kg	1	10.0

Sample: 169078 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.906	mg/Kg	1	1.00	91	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.914	mg/Kg	1	1.00	91	54.4 - 176.2

Sample: 169078 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		147	mg/Kg	1	10.0

Sample: 169079 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.895	mg/Kg	1	1.00	89	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.928	mg/Kg	1	1.00	93	54.4 - 176.2

Sample: 169079 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		189	mg/Kg	1	10.0

Sample: 169080 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.894	mg/Kg	1	1.00	89	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.943	mg/Kg	1	1.00	94	54.4 - 176.2

Sample: 169080 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		103	mg/Kg	1	10.0

Sample: 169081 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

continued ...

sample 169081 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.916	mg/Kg	1	1.00	92	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.925	mg/Kg	1	1.00	92	54.4 - 176.2

Sample: 169081 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		120	mg/Kg	1	10.0

Sample: 169082 - Cell 13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.894	mg/Kg	1	1.00	89	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.908	mg/Kg	1	1.00	91	54.4 - 176.2

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Sample: 169082 - Cell 13

Laboratory: Lubbock
Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 51213 Date Analyzed: 2008-08-07 Analyzed By: MN
Prep Batch: 43940 Sample Preparation: 2008-08-05 Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		137	mg/Kg	1	10.0

Sample: 169083 - Cell 14

Laboratory: Lubbock
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 50989 Date Analyzed: 2008-07-31 Analyzed By: MT
Prep Batch: 43749 Sample Preparation: 2008-07-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.915	mg/Kg	1	1.00	92	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.926	mg/Kg	1	1.00	93	54.4 - 176.2

Sample: 169083 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 51213 Date Analyzed: 2008-08-07 Analyzed By: MN
Prep Batch: 43940 Sample Preparation: 2008-08-05 Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		147	mg/Kg	1	10.0

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Sample: 169084 - Cell 15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.898	mg/Kg	1	1.00	90	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.909	mg/Kg	1	1.00	91	54.4 - 176.2

Sample: 169084 - Cell 15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL		Dilution	RL
		Result	Units		
TRPHC		190	mg/Kg	1	10.0

Sample: 169085 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.907	mg/Kg	1	1.00	91	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.915	mg/Kg	1	1.00	92	54.4 - 176.2

Sample: 169085 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		169	mg/Kg	1	10.0

Sample: 169086 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.924	mg/Kg	1	1.00	92	59 - 136.1
4-Bromofluorobenzene (4-BFB)		0.930	mg/Kg	1	1.00	93	54.4 - 176.2

Sample: 169086 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51213
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		154	mg/Kg	1	10.0

Sample: 169087 - Cell 18

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 50989
Prep Batch: 43749

Analytical Method: S 8021B
Date Analyzed: 2008-07-31
Sample Preparation: 2008-07-31

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		<0.0500	mg/Kg	5	0.0100
Xylene		<0.0500	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.41	mg/Kg	5	5.00	88	59 - 136.1
4-Bromofluorobenzene (4-BFB)		4.70	mg/Kg	5	5.00	94	54.4 - 176.2

Sample: 169087 - Cell 18

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51214
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		211	mg/Kg	1	10.0

Sample: 169088 - Cell 19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 51029
Prep Batch: 43774

Analytical Method: S 8021B
Date Analyzed: 2008-08-01
Sample Preparation: 2008-08-01

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

¹Sample ran at a dilution due to surfactants.

continued ...

sample 169088 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	1	1.00	115	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	1.00	136	54.4 - 176.2

Sample: 169088 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51214
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		182	mg/Kg	1	10.0

Sample: 169089 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 51029
Prep Batch: 43774

Analytical Method: S 8021B
Date Analyzed: 2008-08-01
Sample Preparation: 2008-08-01

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²	1.37	mg/Kg	1	1.00	137	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	1.00	132	54.4 - 176.2

²High surrogate recovery. Sample non-detect, result bias high.

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Sample: 169089 - Cell 21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 51214
Prep Batch: 43940

Analytical Method: E 418.1
Date Analyzed: 2008-08-07
Sample Preparation: 2008-08-05

Prep Method: N/A
Analyzed By: MN
Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		140	mg/Kg	1	10.0

Method Blank (1) QC Batch: 50989

QC Batch: 50989
Prep Batch: 43749

Date Analyzed: 2008-07-31
QC Preparation: 2008-07-31

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.869	mg/Kg	1	1.00	87	69.3 - 110.2
4-Bromofluorobenzene (4-BFB)		0.714	mg/Kg	1	1.00	71	24.4 - 114.6

Method Blank (1) QC Batch: 51029

QC Batch: 51029
Prep Batch: 43774

Date Analyzed: 2008-08-01
QC Preparation: 2008-08-01

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.940	mg/Kg	1	1.00	94	69.3 - 110.2
4-Bromofluorobenzene (4-BFB)		0.689	mg/Kg	1	1.00	69	24.4 - 114.6

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Method Blank (1) QC Batch: 51213

QC Batch: 51213
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Method Blank (1) QC Batch: 51214

QC Batch: 51214
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 50989
Prep Batch: 43749

Date Analyzed: 2008-07-31
QC Preparation: 2008-07-31

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.857	mg/Kg	1	1.00	<0.00347	86	80.5 - 115.5
Toluene	0.864	mg/Kg	1	1.00	<0.00525	86	80 - 114.7
Ethylbenzene	0.859	mg/Kg	1	1.00	<0.00607	86	77.1 - 114.2
Xylene	2.59	mg/Kg	1	3.00	<0.00724	86	77.6 - 114.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.863	mg/Kg	1	1.00	<0.00347	86	80.5 - 115.5	1	20
Toluene	0.882	mg/Kg	1	1.00	<0.00525	88	80 - 114.7	2	20
Ethylbenzene	0.877	mg/Kg	1	1.00	<0.00607	88	77.1 - 114.2	2	20
Xylene	2.65	mg/Kg	1	3.00	<0.00724	88	77.6 - 114.5	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.884	0.875	mg/Kg	1	1.00	88	88	74.2 - 114.7
4-Bromofluorobenzene (4-BFB)	0.884	0.895	mg/Kg	1	1.00	88	90	69.7 - 118.7

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Laboratory Control Spike (LCS-1)

QC Batch: 51029
Prep Batch: 43774

Date Analyzed: 2008-08-01
QC Preparation: 2008-08-01

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.974	mg/Kg	1	1.00	<0.00347	97	80.5 - 115.5
Toluene	0.982	mg/Kg	1	1.00	<0.00525	98	80 - 114.7
Ethylbenzene	0.987	mg/Kg	1	1.00	<0.00607	99	77.1 - 114.2
Xylene	2.97	mg/Kg	1	3.00	<0.00724	99	77.6 - 114.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.959	mg/Kg	1	1.00	<0.00347	96	80.5 - 115.5	2	20
Toluene	0.994	mg/Kg	1	1.00	<0.00525	99	80 - 114.7	1	20
Ethylbenzene	0.957	mg/Kg	1	1.00	<0.00607	96	77.1 - 114.2	3	20
Xylene	2.94	mg/Kg	1	3.00	<0.00724	98	77.6 - 114.5	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.934	0.919	mg/Kg	1	1.00	93	92	74.2 - 114.7
4-Bromofluorobenzene (4-BFB)	0.902	0.900	mg/Kg	1	1.00	90	90	69.7 - 118.7

Laboratory Control Spike (LCS-1)

QC Batch: 51213
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	194	mg/Kg	1	250	<1.06	78	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	200	mg/Kg	1	250	<1.06	80	75.5 - 136	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 51214
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	196	mg/Kg	1	250	<1.06	78	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	197	mg/Kg	1	250	<1.06	79	75.5 - 136	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 169046

QC Batch: 50989
Prep Batch: 43749

Date Analyzed: 2008-07-31
QC Preparation: 2008-07-31

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00347	101	42.9 - 130.7
Toluene	1.09	mg/Kg	1	1.00	<0.00525	109	46.9 - 135.4
Ethylbenzene	1.14	mg/Kg	1	1.00	<0.00607	114	48.3 - 149.3
Xylene	3.47	mg/Kg	1	3.00	<0.00724	116	48.8 - 150.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.999	mg/Kg	1	1.00	<0.00347	100	42.9 - 130.7	1	20
Toluene	1.04	mg/Kg	1	1.00	<0.00525	104	46.9 - 135.4	5	20
Ethylbenzene	1.11	mg/Kg	1	1.00	<0.00607	111	48.3 - 149.3	3	20
Xylene	3.38	mg/Kg	1	3.00	<0.00724	113	48.8 - 150.9	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.919	0.905	mg/Kg	1	1	92	90	63.2 - 128.3
4-Bromofluorobenzene (4-BFB)	0.953	0.942	mg/Kg	1	1	95	94	61.5 - 161.2

Matrix Spike (MS-1) Spiked Sample: 169093

QC Batch: 51029
Prep Batch: 43774

Date Analyzed: 2008-08-01
QC Preparation: 2008-08-01

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.701	mg/Kg	1	1.00	<0.00347	70	42.9 - 130.7

continued

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	0.724	mg/Kg	1	1.00	<0.00525	72	46.9 - 135.4
Ethylbenzene	0.754	mg/Kg	1	1.00	<0.00607	75	48.3 - 149.3
Xylene	2.26	mg/Kg	1	3.00	<0.00724	75	48.8 - 150.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	³ 1.02	mg/Kg	1	1.00	<0.00347	102	42.9 - 130.7	37	20
Toluene	⁴ 1.07	mg/Kg	1	1.00	<0.00525	107	46.9 - 135.4	39	20
Ethylbenzene	⁵ 1.15	mg/Kg	1	1.00	<0.00607	115	48.3 - 149.3	42	20
Xylene	⁶ 3.47	mg/Kg	1	3.00	<0.00724	116	48.8 - 150.9	42	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.699	1.06	mg/Kg	1	1	70	106	63.2 - 128.3
4-Bromofluorobenzene (4-BFB)	0.725	1.06	mg/Kg	1	1	72	106	61.5 - 161.2

Matrix Spike (MS-1) Spiked Sample: 169047

QC Batch: 51213
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	662	mg/Kg	1	250	341	128	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	672	mg/Kg	1	250	341	132	10 - 354	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 169089

QC Batch: 51214
Prep Batch: 43940

Date Analyzed: 2008-08-07
QC Preparation: 2008-08-05

Analyzed By: MN
Prepared By: MN

³Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁴Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁵Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁶Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	336	mg/Kg	1	250	140	78	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	347	mg/Kg	1	250	140	83	10 - 354	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 50989

Date Analyzed: 2008-07-31

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0891	89	85 - 115	2008-07-31
Toluene		mg/Kg	0.100	0.0909	91	85 - 115	2008-07-31
Ethylbenzene		mg/Kg	0.100	0.0913	91	85 - 115	2008-07-31
Xylene		mg/Kg	0.300	0.276	92	85 - 115	2008-07-31

Standard (CCV-1)

QC Batch: 50989

Date Analyzed: 2008-07-31

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0854	85	85 - 115	2008-07-31
Toluene		mg/Kg	0.100	0.0859	86	85 - 115	2008-07-31
Ethylbenzene		mg/Kg	0.100	0.0858	86	85 - 115	2008-07-31
Xylene		mg/Kg	0.300	0.260	87	85 - 115	2008-07-31

Standard (ICV-1)

QC Batch: 51029

Date Analyzed: 2008-08-01

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0918	92	85 - 115	2008-08-01
Toluene		mg/Kg	0.100	0.0952	95	85 - 115	2008-08-01
Ethylbenzene		mg/Kg	0.100	0.0949	95	85 - 115	2008-08-01
Xylene		mg/Kg	0.300	0.286	95	85 - 115	2008-08-01

Report Date: August 12, 2008
2nd Quarter Soil Sampling 2008

Work Order: 8073133
GMI Landfarm

Page Number: 24 of 25
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Standard (CCV-1)

QC Batch: 51029

Date Analyzed: 2008-08-01

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0879	88	85 - 115	2008-08-01
Toluene		mg/Kg	0.100	0.0913	91	85 - 115	2008-08-01
Ethylbenzene		mg/Kg	0.100	0.0913	91	85 - 115	2008-08-01
Xylene		mg/Kg	0.300	0.274	91	85 - 115	2008-08-01

Standard (ICV-1)

QC Batch: 51213

Date Analyzed: 2008-08-07

Analyzed By: MN

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	96.1	96	80 - 120	2008-08-07

Standard (CCV-1)

QC Batch: 51213

Date Analyzed: 2008-08-07

Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	98.7	99	80 - 120	2008-08-07

Standard (CCV-2)

QC Batch: 51213

Date Analyzed: 2008-08-07

Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	103	103	80 - 120	2008-08-07

Standard (CCV-3)

QC Batch: 51213

Date Analyzed: 2008-08-07

Analyzed By: MN

Report Date: August 12, 2008
2nd Quarter Soil Sampling 2008

Work Order: 8073133
GMI Landfarm

Page Number: 25 of 25
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	109	109	80 - 120	2008-08-07

Standard (ICV-1)

QC Batch: 51214

Date Analyzed: 2008-08-07

Analyzed By: MN

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	97.2	97	80 - 120	2008-08-07

Standard (CCV-1)

QC Batch: 51214

Date Analyzed: 2008-08-07

Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	105	105	80 - 120	2008-08-07

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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El Paso, Texas 79922
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Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Gandy Marley Inc. Phone #: 575-347-0434
Address: PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435
Contact Person: Bill Marley Project Manager E-mail: gmie@dn.com

Invoice to:
(If different from above)

Project #: 2nd Quarter Soil Sampling 2008 Project Name: GMI Land Farm

Project Location (including state): Sec. 4, 5, 8, 9 T.11. S. R. 31. E. Co. NM Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard.	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																						
169010	Cell 1	1	400g	X									X			5/29/08	0330	X	X																
071	Cell 2																1040																		
072	Cell 3																1245																		
073	Cell 4																1255																		
074	Cell 5																1305																		
075	Cell 6																1310																		
076	Cell 7																1320																		
077	Cell 8																1325																		
078	Cell 9																1330																		
079	Cell 10																1335																		
080	Cell 11																1345																		

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

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Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

Relinquished by: [Signature] Company: CMB Date: 7/30/08 Time: 10:00

LAB USE ONLY

Intact Y/N

Headspace Y/N/NA

Log-In Review

REMARKS: Please send copy of Results ASAP to cmbenviro@dn.com
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C O. C.

Carrier # Bus GLI 3048170653 (2 coc)

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TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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Fax (806) 794-1298
1 (800) 378-12965002 Basin Street, Suite A1
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Fax (915) 585-4944
1 (888) 588-34438808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336Company Name: Gandy Marley Inc. Phone #: 575-347-0434Address: (Street, City, Zip) PO Box 1658 Roswell, NM 89202 Fax #: 575-347-0435Contact Person: Bill Marley Project Manager E-mail: gmie@tn.comInvoice to:
(If different from above)Project #: 2nd Quarter Soil Sampling 2008 Project Name: GAI Land farmProject Location (including state): Sec. 4, 5, 8, 9, T.11S. R.31E, Co. NM Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021B / 6021B ETEX 6021B / 6021B TPH 8015 GRO / DFO	PAH 8070C / 625	Total Metals Ag As Ba C	TCLP Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 8	GC/MS Semi. Vol 8	PCB's 8082 / 608	Pesticides 8081A / 6	BOD, TSS, pH	Moisture Content	Turn Around Time if	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE																	TIME
168081	Cell 12	1	1400		X							X	07/29/08	1350	XX																
082	Cell 13													1355																	
083	Cell 14													1400																	
084	Cell 15													1410																	
085	Cell 16													1425																	
086	Cell 17													1435																	
087	Cell 18													1455																	
088	Cell 19													1440																	
089	Cell 21													1445																	
Temp Blank		1	1250		X								X																		

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

[Signature] CMB 7/30/08 10:00

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

[Signature] 073108 1119 3.8°

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

LAB USE ONLY

Intact ☒ NHeadspace ☒ Y / N / NALog-In-Review ☒ M/CREMARKS: Please Send Copy of Results As per to Cmbenviro@tn.com
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # BusGLI 3048170653 (200)

2009 DEC 3 PM 2 22

December 2, 2009
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Submittal of Third Quarterly Monitoring Report for Year 2009
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
Former NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (575) 622-2012 Phone Fax: (575) 625-0538
Cellular: (575) 626-1615
cmbenviro@dm.com

Cc: Gandy Marley Inc.

**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Larry Gandy, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

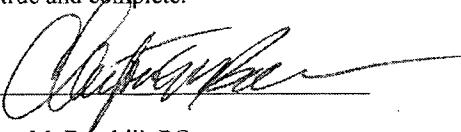
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **December 2, 2009**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/09

Date:

12/02/2009

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the third quarter of monitoring year 2009 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

Third quarter 2009 sampling / monitoring was performed on November 3, 2009. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0200 PPM (Mg/Kg) BTEX, and TPH concentrations (≤ 40.8 PPM (Mg/Kg) TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.02 PPM (Mg/Kg), and TPH Concentrations ≤ 40.8 PPM (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Site Map / Topographic Map with sample locations plotted	X	

LIST OF TABLES

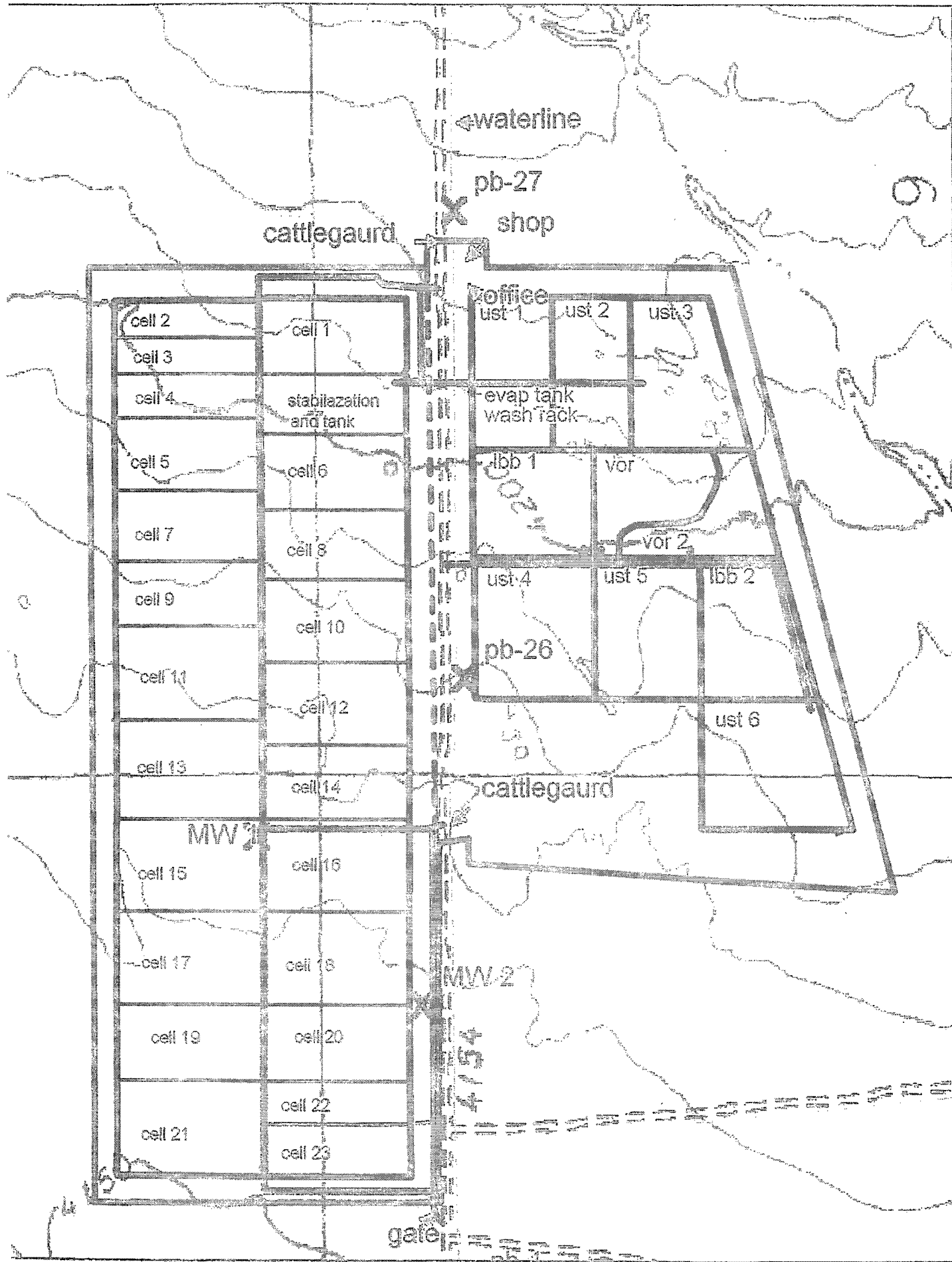
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

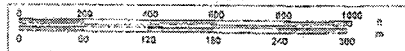
Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: December 2, 2009

Figures:



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www.delorme.com

Scale 1 : 7,200
1" = 600 ft



UTM 18U 9.0°E

12/01/09

Topographic map of a region in Alaska, showing terrain, roads, and geographical features. The map is overlaid with a grid of latitude and longitude coordinates. Key features include:

- Unnamed Street**: A network of roads, including a main road running vertically and several branching roads.
- County Road 160**: A road running horizontally across the lower portion of the map.
- Drill Hole**: Several locations marked with dots and labeled.
- Cottonwood Tank**: A feature located in the central-right area of the map.
- Sagehen Creek**: A water feature flowing through the lower-right section.
- Topography**: Contour lines indicating elevation, with shaded areas representing higher terrain.

The map is oriented with North at the top. The grid shows coordinates from 33°22.000' N to 33°24.000' N and 103°50.000' W to 103°53.000' W.

TOPOL map printed on 12/01/09 from "GMI Landfarm Third Quarter 2009.tpo"

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: December 2, 2009

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: November 13, 2009

Work Order: 9110519



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2009

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
214111	Cell #1	soil	2009-11-03	10:20	2009-11-05
214112	Cell #2	soil	2009-11-03	10:30	2009-11-05
214113	Cell #3	soil	2009-11-03	10:40	2009-11-05
214114	Cell #4	soil	2009-11-03	10:50	2009-11-05
214115	Cell #5	soil	2009-11-03	10:55	2009-11-05
214116	Cell #7	soil	2009-11-03	11:00	2009-11-05
214117	Cell #9	soil	2009-11-03	11:10	2009-11-05
214118	Cell #11	soil	2009-11-03	11:20	2009-11-05
214119	Cell #12	soil	2009-11-03	11:25	2009-11-05
214120	Cell #13	soil	2009-11-03	11:30	2009-11-05
214121	Cell #14	soil	2009-11-03	11:35	2009-11-05
214122	Cell #15	soil	2009-11-03	11:45	2009-11-05
214123	Cell #16	soil	2009-11-03	11:50	2009-11-05
214124	Cell #17	soil	2009-11-03	12:00	2009-11-05
214125	Cell #19	soil	2009-11-03	12:10	2009-11-05
214126	Cell #21	soil	2009-11-03	12:15	2009-11-05

Sample - Field Code	BTX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
214111 - Cell #1	<0.0200	<0.0200	<0.0200	<0.0200		19.2
214112 - Cell #2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214113 - Cell #3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214114 - Cell #4	<0.0200	<0.0200	<0.0200	<0.0200		19.5
214115 - Cell #5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214116 - Cell #7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214117 - Cell #9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214118 - Cell #11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214119 - Cell #12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
214120 - Cell #13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214121 - Cell #14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214122 - Cell #15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214123 - Cell #16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214124 - Cell #17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214125 - Cell #19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
214126 - Cell #21	<0.0200	<0.0200	<0.0200	<0.0200		40.8

Appendix 1

Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location GMI Landform Date 11/03/09
 Project / Client 3rd Quarter Soil Sampling 2009
 By: CMB Environmental & Geospatial Services Inc.

Page 1 of 3

Cell #	Time	GPS Coordinates	Remarks
1	10:20	33.38661 N 103.82870 W	Brown clayey Sand w/ Caliche No odor or staining a 3' BGS
2	10:30	33.38689 N 103.82852 W	Brown clayey Sand w/ odor or staining a 3' BGS
3	10:40	33.38689 N 103.82911 W	Brown clayey Sand w/ Caliche No odor or staining a 3' BGS
4	10:50	33.38676 N 103.82990 W	Brown clayey Sand No odor or staining a 3' BGS
5	10:55	33.38680 N 103.83060 W	Brown clayey Sand No odor or staining a 3' BGS
6	-	out of service	-
7	11:00	33.38684 103.83170	Tan clayey Sand w/ Caliche No odor or staining a 3' BGS

Location GMI Landform Date 11/03/09
 Project / Client 3rd Quarter Soil Sampling 2009
 By: CMB Environmental & Geospatial Services Inc.

Page 2 of 3

Cell #	Time	GPS Coordinates	Remarks
8	-	out of service	-
9	11:10	33.38683 N 103.83281 W	Red-Brown Clayey Sand w/ Caliche No odor or staining a 3' BGS
10	-	out of service	-
11	11:20	33.38678 N 103.83384 W	Tan brown Clayey Sand w/ Caliche No odor or staining a 3' BGS
12	11:25	33.38633 N 103.83411 W	Red-Brown Clayey Sand No odor or staining a 3' BGS
13	11:30	33.38674 N 103.83504 W	Red Brown Clayey Sand No odor or staining a 3' BGS
14	11:35	33.38624 N 103.83538 W	Brown-Tan Clayey Sand w/ Caliche No odor or staining a 3' BGS

Location EMI Landform Date 11/03/09

Project / Client 3rd Quarter Soil Sampling 2009

By: AMS Environmental & Geological Services Inc.

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Cell # Time GPS Coordinates Remarks

Cell 15 1145 33.38680 N

103.83645 W

Topsoil clayey
Silt
cl. 100% or
5/100 0.31
BGS

Cell 16 1150 33.38624 N

103.83674 W

Brown clayey
Silt
cl. 100% or
5/100 0.31
BGS

Cell 17 1200 33.38668 N

103.83790 W

Brown
clayey
Silt
cl. 100% or
5/100 0.31
BGS

Cell 18 - out of service -

Cell 19 1210 33.38684 N

103.83933 W

Red
clayey
Silt
cl. 100% or
5/100 0.31
BGS

Cell 21 1215 33.38684 N

103.84081 W

Brown
clayey
Silt
cl. 100% or
5/100 0.31
BGS

Location _____

Date _____

Project / Client _____

GMI Landfarm Third Quarter 2009 GPS Coordinates of Soil Samples Downloaded from GPS

TOPO! GPS Data Format DegMin NAD83 ElevFeet Date Local-Time (GPS Unit Time Not set or Correct)

NMOCD Cell 01, 33.23.213, 103.49.710, 4219, 11/03/2009, 02:35:09,
NMOCD Cell 02, 33.23.213, 103.49.747, 4219, 11/03/2009, 02:42:36,
NMOCD Cell 03, 33.23.206, 103.49.794, 4222, 11/03/2009, 02:48:02,
NMOCD Cell 04, 33.23.208, 103.49.836, 4177, 11/03/2009, 02:54:40,
NMOCD Cell 05, 33.23.210, 103.49.902, 4203, 11/03/2009, 03:01:58,
NMOCD Cell 07, 33.23.210, 103.49.969, 4183, 11/03/2009, 03:10:34,
NMOCD Cell 09, 33.23.207, 103.50.030, 4173, 11/03/2009, 03:19:25,
NMOCD Cell 11, 33.23.180, 103.50.046, 4177, 11/03/2009, 03:27:59,
NMOCD Cell 12, 33.23.204, 103.50.102, 4167, 11/03/2009, 03:33:50,
NMOCD Cell 13, 33.23.174, 103.50.123, 4157, 11/03/2009, 03:38:08,
NMOCD Cell 14, 33.23.208, 103.50.187, 4163, 11/03/2009, 03:48:54,
NMOCD Cell 15, 33.23.174, 103.50.204, 4186, 11/03/2009, 03:53:26,
NMOCD Cell 16, 33.23.201, 103.50.274, 4173, 11/03/2009, 04:01:50,
NMOCD Cell 17, 33.23.210, 103.50.363, 4157, 11/03/2009, 04:08:43,
NMOCD Cell 19, 33.23.210, 103.50.448, 4154, 11/03/2009, 04:21:31,
NMOCD Cell 21, 33.22.912, 103.49.772, 4232, 11/03/2009, 05:03:37,
NMED UST Cell 1, 33.22.960, 103.49.778, 4199, 11/03/2009, 05:07:59,
NMED UST Cell 2, 33.22.994, 103.49.776, 4213, 11/03/2009, 05:14:16,
NMED UST Cell 3, 33.23.068, 103.50.204, 4196, 11/03/2009, 05:17:55,
NMED UST Cell 4, 33.23.000, 103.49.961, 4196, 11/03/2009, 05:20:53,
NMED UST Cell 5, 33.22.915, 103.49.961, 4213, 11/03/2009, 05:26:47,

NMED UST LBB # 1, 33.22.994, 103.49.919,4206,11/03/2009,05:32:43,

NMED UST Cell VOR, 33.22.917, 103.49.926,4196,11/03/2009,05:41:06,

NMED UST Cell LBB #2, 33.22.850, 103.49.958,4206,11/03/2009,05:48:34,

NMED UST Cell 6, 33.22.789, 103.50.112,4180,11/03/2009,05:54:54,

NMED UST Cell 7, 33.22.776, 103.50.172,4183,11/03/2009,06:01:34,

Appendix 3

Laboratory Analysis



6701 Aberdeen Avenue, Suite G Lubbock, Texas 79424 806•372•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 915•585•3443 FAX 915•585•3443
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 432•689•6301 FAX 432•689•6301
3015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260 817•201•5260 FAX 817•201•5260
E-Mail: lap@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: November 13, 2009

Work Order: 9110519



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2009

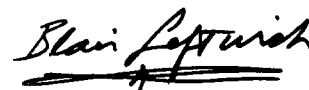
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
214111	Cell #1	soil	2009-11-03	10:20	2009-11-05
214112	Cell #2	soil	2009-11-03	10:30	2009-11-05
214113	Cell #3	soil	2009-11-03	10:40	2009-11-05
214114	Cell #4	soil	2009-11-03	10:50	2009-11-05
214115	Cell #5	soil	2009-11-03	10:55	2009-11-05
214116	Cell #7	soil	2009-11-03	11:00	2009-11-05
214117	Cell #9	soil	2009-11-03	11:10	2009-11-05
214118	Cell #11	soil	2009-11-03	11:20	2009-11-05
214119	Cell #12	soil	2009-11-03	11:25	2009-11-05
214120	Cell #13	soil	2009-11-03	11:30	2009-11-05

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
214121	Cell #14	soil	2009-11-03	11:35	2009-11-05
214122	Cell #15	soil	2009-11-03	11:45	2009-11-05
214123	Cell #16	soil	2009-11-03	11:50	2009-11-05
214124	Cell #17	soil	2009-11-03	12:00	2009-11-05
214125	Cell #19	soil	2009-11-03	12:10	2009-11-05
214126	Cell #21	soil	2009-11-03	12:15	2009-11-05

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

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



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

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2009-11-05 and assigned to work order 9110519. Samples for work order 9110519 were received intact at a temperature of 4.5 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	55575	2009-11-05 at 13:40	65056	2009-11-05 at 13:40
BTEX	S 8021B	55616	2009-11-06 at 10:09	65103	2009-11-06 at 10:09
TPH 418.1	E 418.1	55773	2009-11-13 at 11:00	65277	2009-11-13 at 14:20
TPH 418.1	E 418.1	55774	2009-11-13 at 11:00	65278	2009-11-13 at 14:27

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9110519 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Analytical Report

Sample: 214111 - Cell #1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)		1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 214111 - Cell #1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		19.2	mg/Kg	1	10.0

Sample: 214112 - Cell #2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

Page Number: 5 of 22
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 214112 - Cell #2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214113 - Cell #3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 214113 - Cell #3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

Page Number: 6 of 22
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214114 - Cell #4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	70 - 130

Sample: 214114 - Cell #4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		19.5	mg/Kg	1	10.0

Sample: 214115 - Cell #5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

continued ...

sample 214115 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 214115 - Cell #5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214116 - Cell #7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.95	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	70 - 130

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Sample: 214116 - Cell #7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214117 - Cell #9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021E
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 214117 - Cell #9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 214118 - Cell #11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		1.94	mg/Kg	1	2.00	97	70 - 130

Sample: 214118 - Cell #11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214119 - Cell #12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 214119 - Cell #12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214120 - Cell #13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 214120 - Cell #13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214121 - Cell #14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65103
Prep Batch: 55616

Analytical Method: S 8021B
Date Analyzed: 2009-11-06
Sample Preparation: 2009-11-06

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	70 - 130

Sample: 214121 - Cell #14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214122 - Cell #15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

continued ...

sample 214122 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.97	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		1.92	mg/Kg	1	2.00	96	70 - 130

Sample: 214122 - Cell #15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65277
Prep Batch: 55773

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214123 - Cell #16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)		1.76	mg/Kg	1	2.00	88	70 - 130

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Sample: 214123 - Cell #16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65278
Prep Batch: 55774

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			Result
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214124 - Cell #17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	70 - 130

Sample: 214124 - Cell #17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65278
Prep Batch: 55774

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			Result
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 214125 - Cell #19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 214125 - Cell #19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65278
Prep Batch: 55774

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL		Dilution	RL
		Result	Units		
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 214126 - Cell #21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 65056
Prep Batch: 55575

Analytical Method: S 8021B
Date Analyzed: 2009-11-05
Sample Preparation: 2009-11-05

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

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		1.75	mg/Kg	1	2.00	87	70 - 130

Sample: 214126 - Cell #21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 65278
Prep Batch: 55774

Analytical Method: E 418.1
Date Analyzed: 2009-11-13
Sample Preparation: 2009-11-13

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		40.8	mg/Kg	1	10.0

Method Blank (1) QC Batch: 65056

QC Batch: 65056
Prep Batch: 55575

Date Analyzed: 2009-11-05
QC Preparation: 2009-11-05

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00242	mg/Kg	0.02
Toluene		<0.00335	mg/Kg	0.02
Ethylbenzene		<0.00357	mg/Kg	0.02
Xylene		<0.00388	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.82	mg/Kg	1	2.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		1.81	mg/Kg	1	2.00	91	70 - 130

Method Blank (1) QC Batch: 65103

QC Batch: 65103
Prep Batch: 55616

Date Analyzed: 2009-11-06
QC Preparation: 2009-11-06

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00242	mg/Kg	0.02
Toluene		<0.00335	mg/Kg	0.02

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method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.00357	mg/Kg	0.02
Xylene		<0.00388	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)		1.65	mg/Kg	1	2.00	82	70 - 130

Method Blank (1) QC Batch: 65277

QC Batch: 65277 Date Analyzed: 2009-11-13 Analyzed By: CM
Prep Batch: 55773 QC Preparation: 2009-11-13 Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Method Blank (1) QC Batch: 65278

QC Batch: 65278 Date Analyzed: 2009-11-13 Analyzed By: CM
Prep Batch: 55774 QC Preparation: 2009-11-13 Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 65056 Date Analyzed: 2009-11-05 Analyzed By: ER
Prep Batch: 55575 QC Preparation: 2009-11-05 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.89	mg/Kg	1	2.00	<0.00242	94	70 - 130
Toluene	1.88	mg/Kg	1	2.00	<0.00335	94	70 - 130
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.00357	96	70 - 130
Xylene	5.89	mg/Kg	1	6.00	<0.00388	98	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.92	mg/Kg	1	2.00	<0.00242	96	70 - 130	1	20
Toluene	1.92	mg/Kg	1	2.00	<0.00335	96	70 - 130	2	20
Ethylbenzene	1.96	mg/Kg	1	2.00	<0.00357	98	70 - 130	2	20
Xylene	6.04	mg/Kg	1	6.00	<0.00388	101	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.93	mg/Kg	1	2.00	96	96	70 - 130
4-Bromofluorobenzene (4-BFB)	1.87	1.88	mg/Kg	1	2.00	93	94	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 65103
Prep Batch: 55616

Date Analyzed: 2009-11-06
QC Preparation: 2009-11-06

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.90	mg/Kg	1	2.00	<0.00242	95	70 - 130
Toluene	1.90	mg/Kg	1	2.00	<0.00335	95	70 - 130
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.00357	96	70 - 130
Xylene	5.87	mg/Kg	1	6.00	<0.00388	98	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.92	mg/Kg	1	2.00	<0.00242	96	70 - 130	1	20
Toluene	1.91	mg/Kg	1	2.00	<0.00335	95	70 - 130	0	20
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.00357	96	70 - 130	0	20
Xylene	5.87	mg/Kg	1	6.00	<0.00388	98	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.91	mg/Kg	1	2.00	95	95	70 - 130
4-Bromofluorobenzene (4-BFB)	1.81	1.82	mg/Kg	1	2.00	90	91	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 65277
Prep Batch: 55773

Date Analyzed: 2009-11-13
QC Preparation: 2009-11-13

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	239	mg/Kg	1	250	<5.28	96	84.9 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	244	mg/Kg	1	250	<5.28	98	84.9 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 65278
Prep Batch: 55774

Date Analyzed: 2009-11-13
QC Preparation: 2009-11-13

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	244	mg/Kg	1	250	<5.28	98	84.9 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	251	mg/Kg	1	250	<5.28	100	84.9 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 214111

QC Batch: 65056
Prep Batch: 55575

Date Analyzed: 2009-11-05
QC Preparation: 2009-11-05

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.48	mg/Kg	1	2.00	<0.00242	74	70 - 130
Toluene	1.56	mg/Kg	1	2.00	<0.00335	78	70 - 130
Ethylbenzene	1.65	mg/Kg	1	2.00	<0.00357	82	70 - 130
Xylene	5.22	mg/Kg	1	6.00	<0.00388	87	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.70	mg/Kg	1	2.00	<0.00242	85	70 - 130	14	20
Toluene	1.81	mg/Kg	1	2.00	<0.00335	90	70 - 130	15	20
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.00357	96	70 - 130	15	20
Xylene	6.05	mg/Kg	1	6.00	<0.00388	101	70 - 130	15	20

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Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.90	2.07	mg/Kg	1	2	95	104	70 - 130
4-Bromofluorobenzene (4-BFB)	1.83	1.98	mg/Kg	1	2	92	99	70 - 130

Matrix Spike (MS-1) Spiked Sample: 214205

QC Batch: 65103
Prep Batch: 55616

Date Analyzed: 2009-11-06
QC Preparation: 2009-11-06

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.70	mg/Kg	1	2.00	<0.00242	85	70 - 130
Toluene	1.80	mg/Kg	1	2.00	<0.00335	90	70 - 130
Ethylbenzene	1.89	mg/Kg	1	2.00	<0.00357	94	70 - 130
Xylene	5.86	mg/Kg	1	6.00	<0.00388	98	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.70	mg/Kg	1	2.00	<0.00242	85	70 - 130	0	20
Toluene	1.81	mg/Kg	1	2.00	<0.00335	90	70 - 130	1	20
Ethylbenzene	1.91	mg/Kg	1	2.00	<0.00357	96	70 - 130	1	20
Xylene	5.97	mg/Kg	1	6.00	<0.00388	100	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.99	1.89	mg/Kg	1	2	100	94	70 - 130
4-Bromofluorobenzene (4-BFB)	1.82	1.79	mg/Kg	1	2	91	90	70 - 130

Matrix Spike (MS-1) Spiked Sample: 214119

QC Batch: 65277
Prep Batch: 55773

Date Analyzed: 2009-11-13
QC Preparation: 2009-11-13

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	217	mg/Kg	1	250	<5.28	87	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

Page Number: 20 of 22
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	224	mg/Kg	1	250	<5.28	90	10 - 196	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 214463

QC Batch: 65278 Date Analyzed: 2009-11-13 Analyzed By: CM
Prep Batch: 55774 QC Preparation: 2009-11-13 Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	¹ 21800	mg/Kg	10	250	18900	1160	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	² 21900	mg/Kg	10	250	18900	1200	10 - 196	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 65056 Date Analyzed: 2009-11-05 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0971	97	80 - 120	2009-11-05
Toluene		mg/Kg	0.100	0.0961	96	80 - 120	2009-11-05
Ethylbenzene		mg/Kg	0.100	0.0965	96	80 - 120	2009-11-05
Xylene		mg/Kg	0.300	0.297	99	80 - 120	2009-11-05

Standard (CCV-2)

QC Batch: 65056 Date Analyzed: 2009-11-05 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0960	96	80 - 120	2009-11-05
Toluene		mg/Kg	0.100	0.0950	95	80 - 120	2009-11-05
Ethylbenzene		mg/Kg	0.100	0.0940	94	80 - 120	2009-11-05

continued ...

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/Kg	0.300	0.288	96	80 - 120	2009-11-05

Standard (CCV-3)

QC Batch: 65056

Date Analyzed: 2009-11-05

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0913	91	80 - 120	2009-11-05
Toluene		mg/Kg	0.100	0.0900	90	80 - 120	2009-11-05
Ethylbenzene		mg/Kg	0.100	0.0900	90	80 - 120	2009-11-05
Xylene		mg/Kg	0.300	0.277	92	80 - 120	2009-11-05

Standard (CCV-1)

QC Batch: 65103

Date Analyzed: 2009-11-06

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0976	98	80 - 120	2009-11-06
Toluene		mg/Kg	0.100	0.0980	98	80 - 120	2009-11-06
Ethylbenzene		mg/Kg	0.100	0.102	102	80 - 120	2009-11-06
Xylene		mg/Kg	0.300	0.308	103	80 - 120	2009-11-06

Standard (CCV-2)

QC Batch: 65103

Date Analyzed: 2009-11-06

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0899	90	80 - 120	2009-11-06
Toluene		mg/Kg	0.100	0.0890	89	80 - 120	2009-11-06
Ethylbenzene		mg/Kg	0.100	0.0888	89	80 - 120	2009-11-06
Xylene		mg/Kg	0.300	0.269	90	80 - 120	2009-11-06

Standard (ICV-1)

QC Batch: 65277

Date Analyzed: 2009-11-13

Analyzed By: CM

Report Date: November 13, 2009
3rd Quarter Soil Sampling 2009

Work Order: 9110519
GMI Landfarm

Page Number: 22 of 22
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	116	116	80 - 120	2009-11-13

Standard (CCV-1)

QC Batch: 65277

Date Analyzed: 2009-11-13

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	111	111	80 - 120	2009-11-13

Standard (CCV-2)

QC Batch: 65277

Date Analyzed: 2009-11-13

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	112	112	80 - 120	2009-11-13

Standard (ICV-1)

QC Batch: 65278

Date Analyzed: 2009-11-13

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	112	112	80 - 120	2009-11-13

Standard (CCV-1)

QC Batch: 65278

Date Analyzed: 2009-11-13

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	113	113	80 - 120	2009-11-13

LAB Order ID # 9110519

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name:

Gandy Marley Inc.

Phone #:

(Street, City, Zip)
PO Box 1658 Roswell, NM 86202

Fax #:

575-347-0434

Contact Person:

Larry Gandy

Email:

575-347-0435

Invoice to:

Larry Gandy @ 575-347-0434

(If different from above)

Project:

Quartermaster 2009 Soil Sampling

Project Name:

GMI and farm

Project Location (including state):

Sec. 4, 5, 8, 9 T. 11S. R. 31E. NM

Sampler Signature:

GMI and farm

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	DATE	TIME
21411	Cell #1	1	140g	X							XX	11/03/09	1020
112	Cell #2	1	1									11/03/09	1030
113	Cell #3	1	1									11/03/09	1040
114	Cell #4	1	1									11/03/09	1050
115	Cell #5	1	1									11/03/09	1055
116	Cell #6 No Sample	1	40g	X							XX	11/03/09	1100
117	Cell #7	1	40g	X							XX	11/03/09	1110
118	Cell #8 No Sample	1	40g	X							XX	11/03/09	1120
119	Cell #9	1	40g	X							XX	11/03/09	1130
120	Cell #10 No Sample	1	40g	X							XX	11/03/09	1140
121	Cell #11	1	40g	X							XX	11/03/09	1150

Relinquished by: Company: Date: 11/4/09 0800
Relinquished by: Company: Date: 11/4/09 0800
Relinquished by: Company: Date: 11/4/09 0800Received by: Company: Date: 11-5-09 10:30 AM
Received by: Company: Date: 11-5-09 10:30 AM
Received by: Company: Date: 11-5-09 10:30 AMINST OBS COR
INST OBS COR
INST OBS CORLAB USE ONLY
Initials: N
Headspace: Y/N

REMARKS: Please send copy of results asap to CMBenviro@fn.com

Dry Weight Basis Required
TRRP Report Required
Check if Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier #

GLI 3055123687

August 31, 2009
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

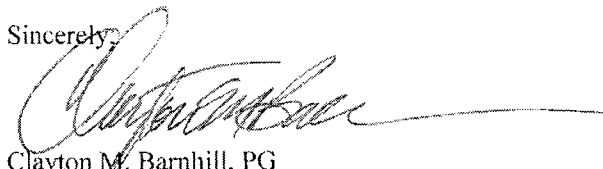
Re: Submittal of Second Quarterly Monitoring Report for Year 2009
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

RECEIVED COD
2009 SEP -2 P 1:53
RECEIVED

**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Larry Gandy, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

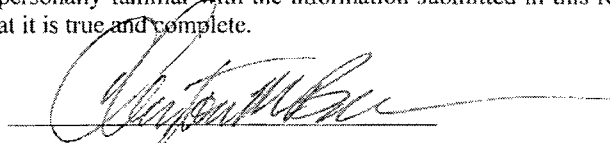
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **August 31, 2009**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #: 0246, State of Texas Professional Geologist 6121, exp. 12/31/09

Date:

08/31/2009

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the second quarter of monitoring year 2009 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

Second quarter 2009 sampling / monitoring was performed on July 28, 2009. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0200 PPM (Mg/Kg) BTEX, and TPH concentrations ($\leq$ 120PPM (Mg/Kg) TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.02 PPM (Mg/Kg), and TPH Concentrations $\leq$ 120 PPM (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Site Map / Topographic Map with sample locations plotted	X	

LIST OF TABLES

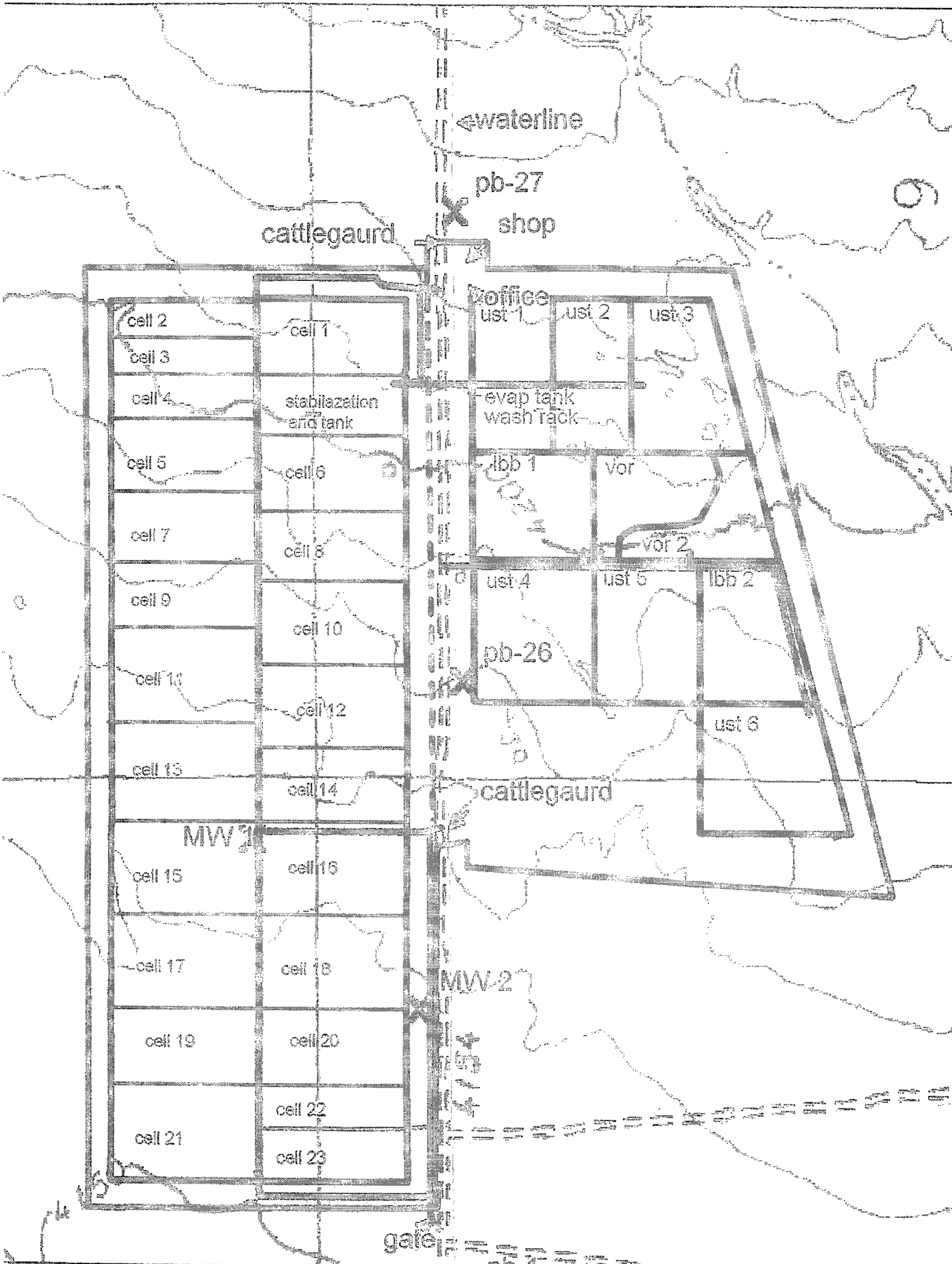
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

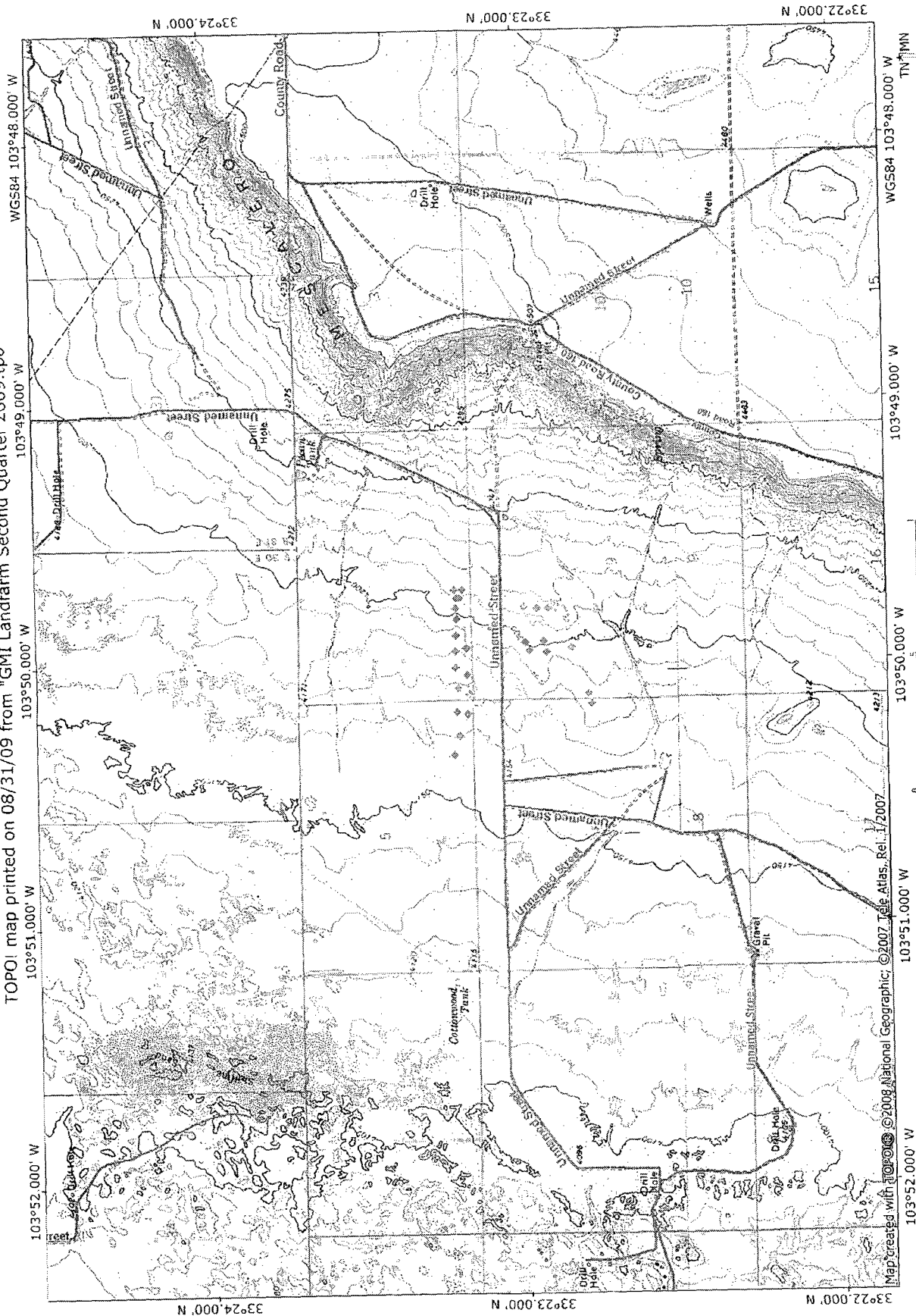
Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 31, 2009

Figures:



TOPOI map printed on 08/31/09 from "GMI Landfarm Second Quarter 2009.tpo"



Map created with © 2008 National Geographic, © 2007 Tele Atlas, Rel. 1/2007



08/31/09
TN
8°

Map created with TopoGIS © 2008 National Geographic; © 2007 Tele Atlas, Rel. 1/2007

**NATIONAL
GEOGRAPHIC**



Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 31, 2009

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: August 10, 2009

Work Order: 9073024



Project Location: Sec. 4,5,8,9, T11SR31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter Soil Sampling 2009

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204168	Cell 1	soil	2009-07-28	10:40	2009-07-30
204169	Cell 2	soil	2009-07-28	10:50	2009-07-30
204170	Cell 3	soil	2009-07-28	11:00	2009-07-30
204171	Cell 4	soil	2009-07-28	11:20	2009-07-30
204172	Cell 5	soil	2009-07-28	11:30	2009-07-30
204173	Cell 7	soil	2009-07-28	11:35	2009-07-30
204174	Cell 8	soil	2009-07-28	11:45	2009-07-30
204175	Cell 9	soil	2009-07-28	11:50	2009-07-30
204176	Cell 11	soil	2009-07-28	11:55	2009-07-30
204177	Cell 12	soil	2009-07-28	12:00	2009-07-30
204178	Cell 13	soil	2009-07-28	12:10	2009-07-30
204179	Cell 14	soil	2009-07-28	12:15	2009-07-30
204180	Cell 15	soil	2009-07-28	12:20	2009-07-30
204181	Cell 16	soil	2009-07-28	12:30	2009-07-30
204182	Cell 17	soil	2009-07-28	12:40	2009-07-30
204183	Cell 19	soil	2009-07-28	12:45	2009-07-30

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
204168 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		120
204169 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204170 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204171 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204172 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204173 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204174 - Cell 8	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204175 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204176 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
204177 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204178 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204179 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204180 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204181 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204182 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
204183 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

Appendix 1
Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location: GMI Landfarm

Date: 07/28/09

Project: Client

2nd Quarter 2009 Soil Sampling

By: CMB Environmental & Geological Services, Inc.

Page 1 of 3

Cell#	Time	GPS Coordinates	Remarks
1	10:40	33.38645 N 103.82846 W	Tan brown clayey sand mixed w/ caliche no stain or odor 3' BGS
2	10:50	33.38688 N 103.82865 W	Red clayey sand w/ odor or stain 3' BGS
3	11:00	33.38683 N 103.82917 W	Red clayey sand w/ caliche no stain or odor 3' BGS
4	11:20	33.38684 N 103.82983 W	Tan brown sand w/ mix caliche odor or stain 3' BGS
5	11:30	33.38678 N 103.83049 W	Tan brown sand/caliche mix w/ odor or stain 3' BGS
6	- out of service		
7	11:35	33.38686 N 103.83155 W	Brown clayey sand - no odor or stain 3' BGS

Location: GMI Landfarm

Date: 07/28/09

Project: Client

2nd Quarter 2009 Soil Sampling

By: CMB Environmental & Geological Services, Inc.

Page 2 of 3

Cell#	Time	GPS Coordinates	Remarks
8	11:45	33.38631 N 103.83236 W	Brown clayey sand w/ odor or stain 3' BGS
9	11:50	33.38689 N 103.83253 W	Tan brown sand/caliche mix w/ odor or stain 3' BGS
10	- out of service		
11	11:55	33.38693 N 103.83360 W	Tan to greenish sand - 3' BGS odor - No stain - 3' BGS
12	12:10	33.38626 N 103.83401 W	Red sand w/ odor or stain - 3' BGS
13	12:10	33.38677 N 103.83491 W	Brown clayey sand - no odor or stain 3' BGS
14	12:15	33.38617 N 103.83529 W	Brown clayey sand - caliche mix - No odor or stain 3' BGS
15	12:20	33.38684 N 103.83643 W	Tan brown clayey sand w/ caliche No odor or stain

Location GMI Landfarm Date 07/28/09

Project / Client 2nd Quarter 2009 Soil Sampling
 By: OMB Environmental & Geospatial Services, Inc. Page 3 of 3

Cell # Time GPS Coordinates Remarks

Cell 16 1230 33.38627N 103.83652W Tan brown sand, calc. frags, no odor or stains

Cell 17 1240 33.38671N 103.83796W Tan brown sand w/ calc. frags or stains

Cell 18 -- under construction --

Cell 19 1245 33.38699N 103.83918W Red sand under m. stains

Cell 21 -- under construction --

Location _____ Date _____

Project / Client _____

GMI Landfarm GPS Coordinates Second Quarter 2009

TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time
 WPGC0001,33,23.199,-103,49.750,4216,07/28/2009,03:14:33,
 WPGC0002,33,23.207,-103,49.751,4219,07/28/2009,03:15:40,
 WPGC0003,33,23.213,-103,49.720,4236,07/28/2009,03:17:05,
 WPGC0004,33,23.188,-103,49.718,4239,07/28/2009,03:18:15,
 WPGC0005,33,23.211,-103,49.790,4213,07/28/2009,03:23:30,
 WPGC0006,33,23.207,-103,49.830,4226,07/28/2009,03:28:29,
 WPGC0007,33,23.212,-103,49.892,4190,07/28/2009,03:37:15,
 WPGC0008,33,23.179,-103,49.942,4213,07/28/2009,03:44:08,
 WPGC0009,33,23.214,-103,49.952,4180,07/28/2009,03:49:28,
 WPGC0010,33,23.215,-103,50.015,4167,07/28/2009,03:57:48,
 WPGC0011,33,23.176,-103,50.042,4190,07/28/2009,04:04:24,
 WPGC0012,33,23.206,-103,50.094,4147,07/28/2009,04:10:30,
 WPGC0013,33,23.170,-103,50.117,4206,07/28/2009,04:15:59,
 WPGC0014,33,23.211,-103,50.185,4150,07/28/2009,04:22:59,
 WPGC0015,33,23.177,-103,50.192,4157,07/28/2009,04:31:39,
 WPGC0016,33,23.202,-103,50.278,4137,07/28/2009,04:38:15,
 WPGC0017,33,23.219,-103,50.351,4131,07/28/2009,04:46:09,
 WPGC0018,33,22.990,-103,49.786,4213,07/28/2009,05:03:51,
 WPGC0019,33,22.951,-103,49.793,4209,07/28/2009,05:10:53,
 WPGC0020,33,22.914,-103,49.791,4209,07/28/2009,05:16:00,
 WPGC0021,33,22.976,-103,49.954,4209,07/28/2009,05:24:19,
 WPGC0022,33,22.989,-103,49.920,4203,07/28/2009,05:29:41,
 WPGC0023,33,22.929,-103,49.919,4173,07/28/2009,05:36:45,
 WPGC0024,33,22.922,-103,49.959,4226,07/28/2009,05:43:38,
 WPGC0025,33,22.842,-103,49.943,4170,07/28/2009,05:49:22,
 WPGC0026,33,22.787,-103,50.119,4193,07/28/2009,05:55:42,
 WPGC0027,33,22.780,-103,50.158,4177,07/28/2009,06:00:35,

Appendix 3



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•376•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•639•6301 432•639•6301 FAX 432•639•6301
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: August 10, 2009

Work Order: 9073024



Project Location: Sec. 4,5,8,9, T11SR31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter Soil Sampling 2009

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204168	Cell 1	soil	2009-07-28	10:40	2009-07-30
204169	Cell 2	soil	2009-07-28	10:50	2009-07-30
204170	Cell 3	soil	2009-07-28	11:00	2009-07-30
204171	Cell 4	soil	2009-07-28	11:20	2009-07-30
204172	Cell 5	soil	2009-07-28	11:30	2009-07-30
204173	Cell 7	soil	2009-07-28	11:35	2009-07-30
204174	Cell 8	soil	2009-07-28	11:45	2009-07-30
204175	Cell 9	soil	2009-07-28	11:50	2009-07-30
204176	Cell 11	soil	2009-07-28	11:55	2009-07-30
204177	Cell 12	soil	2009-07-28	12:00	2009-07-30

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204178	Cell 13	soil	2009-07-28	12:10	2009-07-30
204179	Cell 14	soil	2009-07-28	12:15	2009-07-30
204180	Cell 15	soil	2009-07-28	12:20	2009-07-30
204181	Cell 16	soil	2009-07-28	12:30	2009-07-30
204182	Cell 17	soil	2009-07-28	12:40	2009-07-30
204183	Cell 19	soil	2009-07-28	12:45	2009-07-30

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

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



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

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2009-07-30 and assigned to work order 9073024. Samples for work order 9073024 were received intact at a temperature of 5.9 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	52898	2009-07-30 at 15:43	62013	2009-07-30 at 15:43
TPH 418.1	E 418.1	53021	2009-08-04 at 16:00	62157	2009-08-04 at 17:03
TPH 418.1	E 418.1	53082	2009-08-06 at 20:00	62226	2009-08-07 at 02:55

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9073024 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

Work Order: 9073024
GMI Landfarm

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Analytical Report

Sample: 204168 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		2.09	mg/Kg	1	2.00	104	70 - 130

Sample: 204168 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62157
Prep Batch: 53021

Analytical Method: E 418.1
Date Analyzed: 2009-08-04
Sample Preparation: 2009-08-04

Prep Method: N/A
Analyzed By:
Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		120	mg/Kg	1	10.0

Sample: 204169 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	1	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)		2.06	mg/Kg	1	2.00	103	70 - 130

Sample: 204169 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204170 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.06	mg/Kg	1	2.00	103	70 - 130
4-Bromofluorobenzene (4-BFB)		2.02	mg/Kg	1	2.00	101	70 - 130

Sample: 204170 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Report Date: August 10, 2009
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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204171 - Cell 4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 204171 - Cell 4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204172 - Cell 5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

continued ...

sample 204172 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	70 - 130

Sample: 204172 - Cell 5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204173 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	70 - 130

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Sample: 204173 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204174 - Cell 8

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.17	mg/Kg	1	2.00	108	70 - 130
4-Bromofluorobenzene (4-BFB)		2.10	mg/Kg	1	2.00	105	70 - 130

Sample: 204174 - Cell 8

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 204175 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	70 - 130

Sample: 204175 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204176 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Report Date: August 10, 2009
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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	70 - 130

Sample: 204176 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204177 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 204177 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

Work Order: 9073024
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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204178 - Cell 13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	70 - 130

Sample: 204178 - Cell 13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204179 - Cell 14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

continued ...

sample 204179 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 204179 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204180 - Cell 15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.05	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	70 - 130

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

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GMI Landfarm

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Sec. 4,5,8,9, T11SR31E, Chaves Co., NM

Sample: 204180 - Cell 15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204181 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	70 - 130

Sample: 204181 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

Work Order: 9073024
GMI Landfarm

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Sample: 204182 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		2.07	mg/Kg	1	2.00	104	70 - 130

Sample: 204182 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 204183 - Cell 19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 62013
Prep Batch: 52898

Analytical Method: S 8021B
Date Analyzed: 2009-07-30
Sample Preparation: 2009-07-30

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

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

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

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GMI Landfarm

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 204183 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 62226
Prep Batch: 53082

Analytical Method: E 418.1
Date Analyzed: 2009-08-07
Sample Preparation: 2009-08-06

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Method Blank (1) QC Batch: 62013

QC Batch: 62013
Prep Batch: 52898

Date Analyzed: 2009-07-30
QC Preparation: 2009-07-30

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00242	mg/Kg	0.02
Toluene		<0.00335	mg/Kg	0.02
Ethylbenzene		<0.00357	mg/Kg	0.02
Xylene		0.00690	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.88	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	70 - 130

Method Blank (1) QC Batch: 62157

QC Batch: 62157
Prep Batch: 53021

Date Analyzed: 2009-08-04
QC Preparation: 2009-08-04

Analyzed By:
Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Report Date: August 10, 2009
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Method Blank (1) QC Batch: 62226

QC Batch: 62226
Prep Batch: 53082

Date Analyzed: 2009-08-07
QC Preparation: 2009-08-06

Analyzed By: CM
Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 62013
Prep Batch: 52898

Date Analyzed: 2009-07-30
QC Preparation: 2009-07-30

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.06	mg/Kg	1	2.00	<0.00242	103	70 - 130
Toluene	2.07	mg/Kg	1	2.00	<0.00335	104	70 - 130
Ethylbenzene	1.96	mg/Kg	1	2.00	<0.00357	98	70 - 130
Xylene	5.97	mg/Kg	1	6.00	0.0069	100	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.08	mg/Kg	1	2.00	<0.00242	104	70 - 130	1	20
Toluene	2.09	mg/Kg	1	2.00	<0.00335	104	70 - 130	1	20
Ethylbenzene	1.97	mg/Kg	1	2.00	<0.00357	98	70 - 130	0	20
Xylene	6.02	mg/Kg	1	6.00	0.0069	100	70 - 130	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.95	1.95	mg/Kg	1	2.00	98	98	70 - 130
4-Bromofluorobenzene (4-BFB)	1.88	1.85	mg/Kg	1	2.00	94	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62157
Prep Batch: 53021

Date Analyzed: 2009-08-04
QC Preparation: 2009-08-04

Analyzed By:
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	259	mg/Kg	1	250	<5.28	104	84.9 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	266	mg/Kg	1	250	<5.28	106	84.9 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 62226
Prep Batch: 53082

Date Analyzed: 2009-08-07
QC Preparation: 2009-08-06

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	262	mg/Kg	1	250	<5.28	105	84.9 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	271	mg/Kg	1	250	<5.28	108	84.9 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204106

QC Batch: 62013
Prep Batch: 52898

Date Analyzed: 2009-07-30
QC Preparation: 2009-07-30

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.92	mg/Kg	1	2.00	<0.00242	96	70 - 130
Toluene	2.03	mg/Kg	1	2.00	<0.00335	102	70 - 130
Ethylbenzene	2.00	mg/Kg	1	2.00	<0.00357	100	70 - 130
Xylene	6.22	mg/Kg	1	6.00	0.0046	104	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.80	mg/Kg	1	2.00	<0.00242	90	70 - 130	6	20
Toluene	1.91	mg/Kg	1	2.00	<0.00335	96	70 - 130	6	20
Ethylbenzene	1.88	mg/Kg	1	2.00	<0.00357	94	70 - 130	6	20
Xylene	5.87	mg/Kg	1	6.00	0.0046	98	70 - 130	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.24	2.15	mg/Kg	1	2	112	108	70 - 130

continued ...

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matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	2.22	2.04	mg/Kg	1	2	111	102	70 - 130

Matrix Spike (MS-1) Spiked Sample: 204168

QC Batch: 62157
Prep Batch: 53021

Date Analyzed: 2009-08-04
QC Preparation: 2009-08-04

Analyzed By:
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	419	mg/Kg	1	250	120	120	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	429	mg/Kg	1	250	120	124	10 - 196	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204183

QC Batch: 62226
Prep Batch: 53082

Date Analyzed: 2009-08-07
QC Preparation: 2009-08-06

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	262	mg/Kg	1	250	<5.28	105	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	277	mg/Kg	1	250	<5.28	111	10 - 196	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62013

Date Analyzed: 2009-07-30

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.103	103	80 - 120	2009-07-30

continued ...

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/Kg	0.100	0.103	103	80 - 120	2009-07-30
Ethylbenzene		mg/Kg	0.100	0.0981	98	80 - 120	2009-07-30
Xylene		mg/Kg	0.300	0.302	101	80 - 120	2009-07-30

Standard (CCV-2)

QC Batch: 62013

Date Analyzed: 2009-07-30

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.106	106	80 - 120	2009-07-30
Toluene		mg/Kg	0.100	0.106	106	80 - 120	2009-07-30
Ethylbenzene		mg/Kg	0.100	0.100	100	80 - 120	2009-07-30
Xylene		mg/Kg	0.300	0.304	101	80 - 120	2009-07-30

Standard (CCV-3)

QC Batch: 62013

Date Analyzed: 2009-07-30

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	80 - 120	2009-07-30
Toluene		mg/Kg	0.100	0.102	102	80 - 120	2009-07-30
Ethylbenzene		mg/Kg	0.100	0.0964	96	80 - 120	2009-07-30
Xylene		mg/Kg	0.300	0.293	98	80 - 120	2009-07-30

Standard (ICV-1)

QC Batch: 62157

Date Analyzed: 2009-08-04

Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	109	109	80 - 120	2009-08-04

Standard (CCV-1)

QC Batch: 62157

Date Analyzed: 2009-08-04

Analyzed By:

Report Date: August 10, 2009
2nd Quarter Soil Sampling 2009

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	115	115	80 - 120	2009-08-04

Standard (ICV-1)

QC Batch: 62226

Date Analyzed: 2009-08-07

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	109	109	80 - 120	2009-08-07

Standard (CCV-1)

QC Batch: 62226

Date Analyzed: 2009-08-07

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	109	109	80 - 120	2009-08-07

TraceAnalysis, Inc.
 5002 Basin Street, Suite A1
 Midland, Texas 79703
 Tel (432) 689-6301
 Fax (432) 689-6313
 1 (800) 378-1296

6701 Aberdeen Avenue, Suite 9
 Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1296

8808 Camp Bowie Blvd. West, Suite 180
 Ft. Worth, Texas 76116
 Tel (817) 201-5260
 Fax (817) 560-4336

email: lab@traceanalysis.com

Company Name: Gentry Marley Inc. Phone #: 575-347-0434

Address: PO Box 1658 Roswell NM 86202 Fax #: 575-347-0435

Contact Person: Larry Gandy @ 575-399-5721 / gandy@tn.com E-mail:

Invoice to:

(If different from above)

Project #: 2009-2009 Soil Sampling Gentry Marley Inc. Project Name: 2009-2009 Soil Sampling Gentry Marley Inc.

Project Location (including state): Sec. 4, 5, 8, 9 T. 11. S. R. 31. E. Co. 1. NM Client Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021 / 602 BTX 4021 / 602 / TPH 418, TX100	TPH 8015 GRO / D PAH 8270 / 625 Total Metals Ag As Ba TCLP Metals Ag As Ba TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260 / 6 GC/MS Semi. Vol. 8 PCBs 8082 / 608 Pesticides 8081 / 60 BOD, TSS, PH Moisture Content	Turn Around Time if	Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Relinquished by: [Signature] Company: CMG Date: 7/29/09 Time: 1000

Relinquished by: [Signature] Company: CMG Date: 7/29/09 Time: 1000

Relinquished by: Carol Fox Company: Trace Date: 7-30-09 Time: 10:40

Relinquished by: Trace Company: Trace Date: 7-30-09 Time: 10:40

INST IR
OBS 5.4
COR 5.9

Carrier # GLI 305 377 4559

Submital of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

ANALYSIS REQUEST
 (Circle or Specify Method No.)

☒	MTBE 8021 / 602 / 8260 / 624
☒	BTEX 6021 / 602 / 8260 / 624
☒	TPH 418 / TX1005 / TX1008 Ext(C35)
☒	TPH 8015 GRO / DRO / TVHC
☒	PAH 8270 / 625
☒	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
☒	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
☒	TCLP Volatiles
☒	TCLP Semi Volatiles
☒	TCLP Pesticides
☒	RCI
☒	GC/MS Vol. 8260 / 624
☒	GC/MS Semi. Vol. 8270 / 625
☒	PCBs 8082 / 608
☒	Pesticides 8081 / 608
☒	BOD, TSS, pH
☒	Moisture Content
☐	Turn Around Time if different from standard

REMARKS: Please send Copy of Results Asap to cmbenviro@tn.com

Dry Weight Basis Required ☐

TRRP Report Required ☐

Check If Special Reporting Limits Are Needed ☐

RECEIVED

May 30, 2009

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division Environmental Bureau

Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

2009 JUL 9 AM 10 12

Re: Submittal of First Quarterly Monitoring Report for Year 2009
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Larry Gandy, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

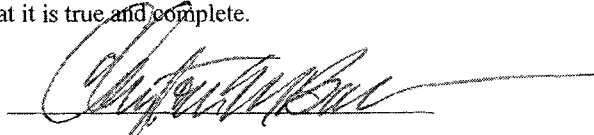
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **May 30, 2009**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/09

Date:

06/30/2009

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the first quarter of monitoring year 2009 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

First quarter 2009 sampling / monitoring was performed on April 30, 2009. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0200 PPM (Mg/Kg) BTEX, and TPH concentrations (≤ 32.8 PPM (Mg/Kg) TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.02 PPM (Mg/Kg), and TPH Concentrations ≤ 32.8 PPM (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Satellite Image / Topographic Map with sample locations plotted		X

LIST OF TABLES

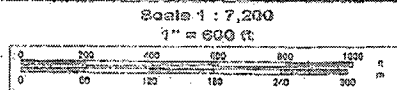
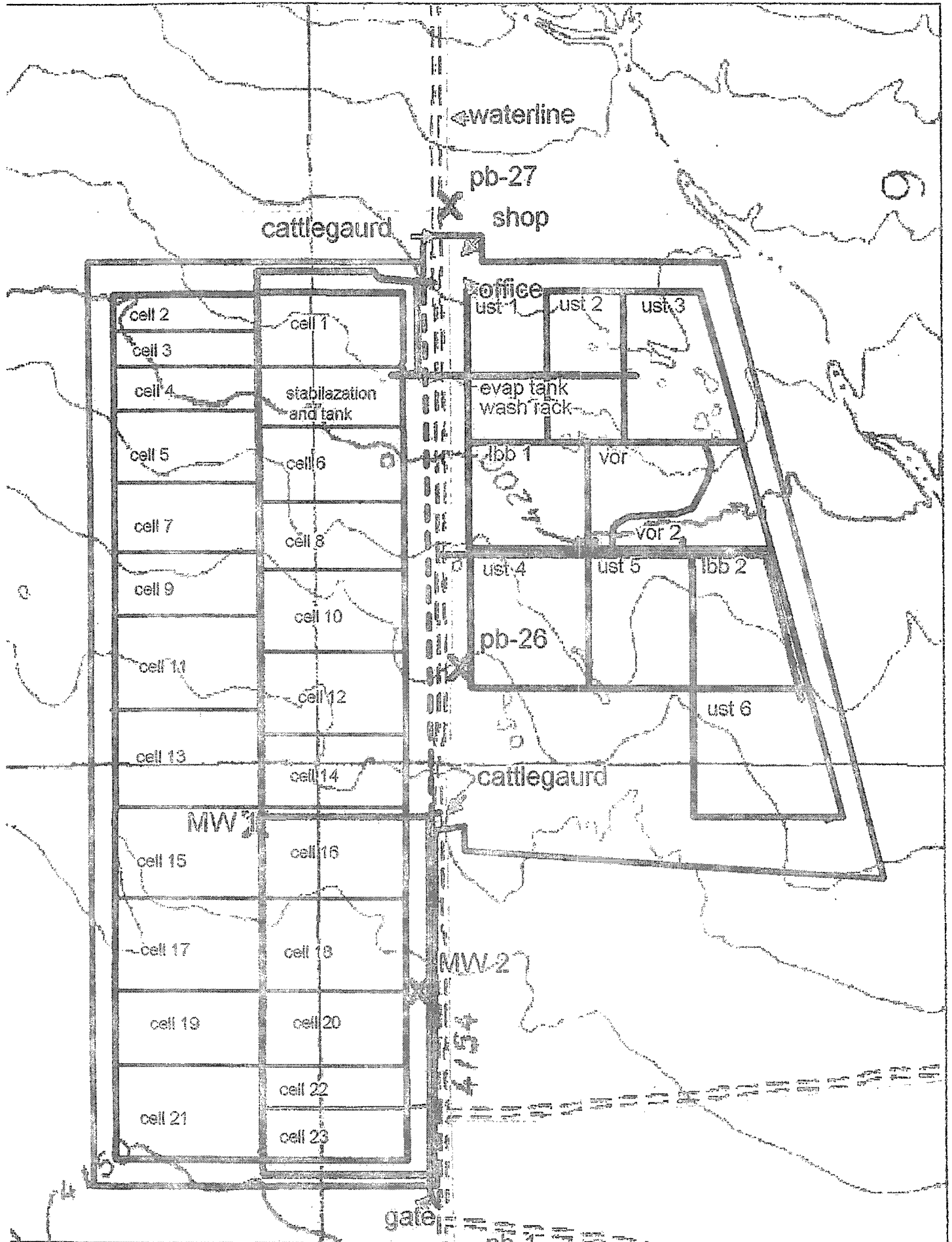
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

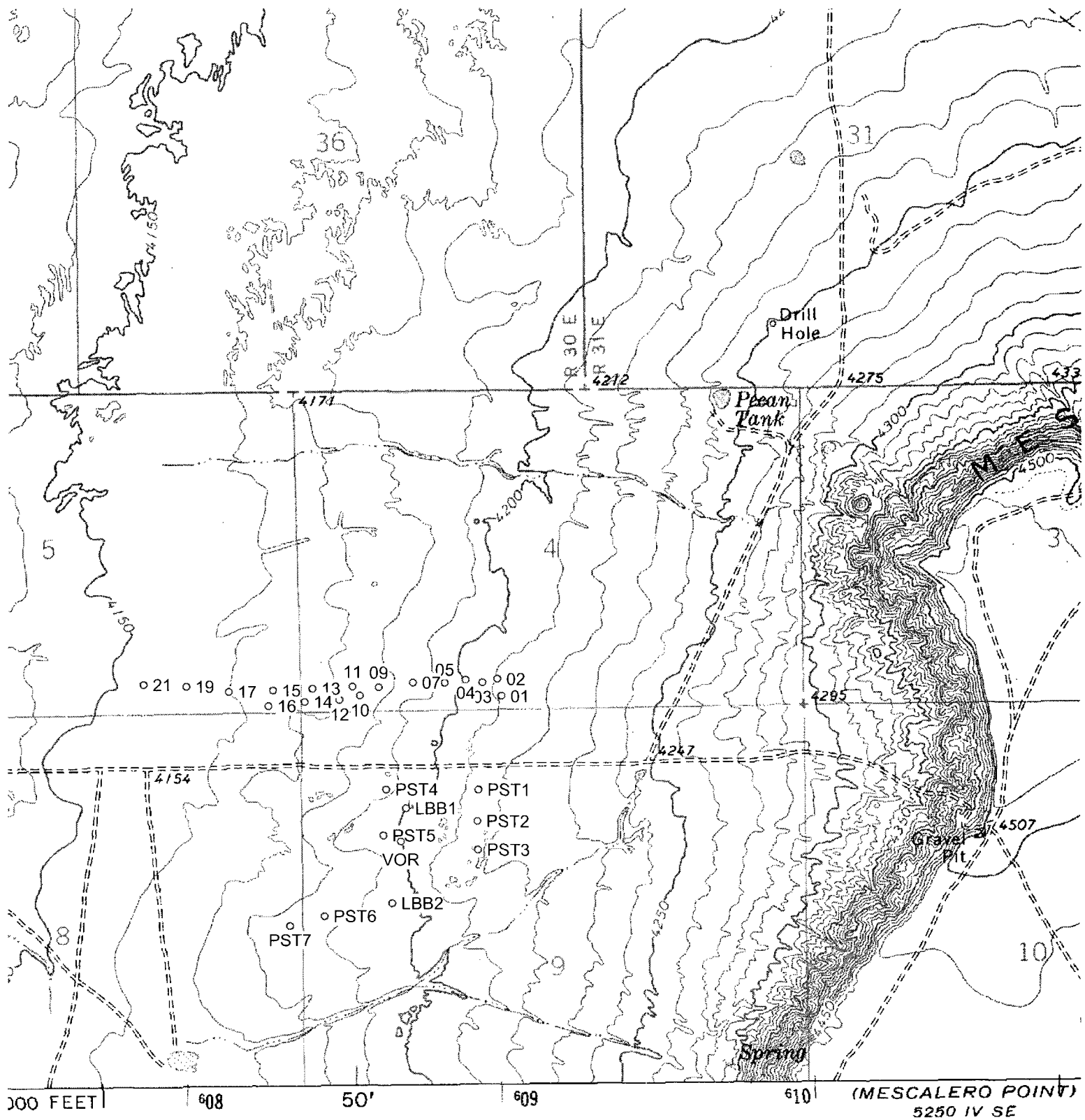
LIST OF APPENDICES

Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

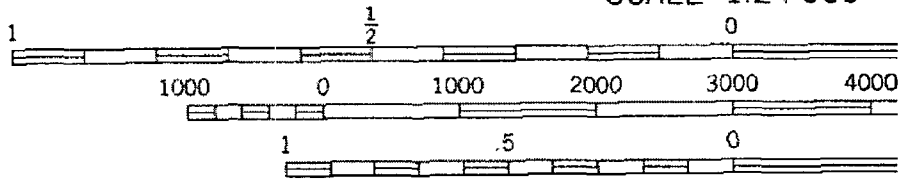
Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: May 30, 2009

Figures:





SCALE 1:24 000



CONTOUR INTERVAL 10'

DOTTED LINES REPRESENT 5-FOOT
50-FOOT CONTOURS SHOWN IN SHIFT
NATIONAL GEODETIC VERTICAL DAT

'Mescalero Point NE; NM' Scale: 1" = 0.250Mi 402Mt 1,320Ft, 1 Mi = 4,000", 1 cm = 158Mt

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: May 30, 2009

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: May 7, 2009

Work Order: 9050420



Project Location: Sec. 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2009

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
194720	Cell #1	soil	2009-04-30	10:30	2009-05-02
194721	Cell #2	soil	2009-04-30	10:50	2009-05-02
194722	Cell #3	soil	2009-04-30	11:00	2009-05-02
194723	Cell #4	soil	2009-04-30	11:05	2009-05-02
194724	Cell #5	soil	2009-04-30	11:10	2009-05-02
194725	Cell #7	soil	2009-04-30	11:15	2009-05-02
194726	Cell #9	soil	2009-04-30	11:20	2009-05-02
194727	Cell #11	soil	2009-04-30	11:25	2009-05-02
194728	Cell #12	soil	2009-04-30	11:30	2009-05-02
194729	Cell #13	soil	2009-04-30	11:40	2009-05-02
194730	Cell #14	soil	2009-04-30	11:45	2009-05-02
194731	Cell #15	soil	2009-04-30	11:50	2009-05-02
194732	Cell #16	soil	2009-04-30	11:55	2009-05-02
194733	Cell #17	soil	2009-04-30	12:10	2009-05-02
194734	Cell #19	soil	2009-04-30	12:15	2009-05-02
194735	Cell #21	soil	2009-04-30	12:25	2009-05-02

Sample - Field Code	BTX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
194720 - Cell #1	<0.0200	<0.0200	<0.0200	<0.0200		32.8
194721 - Cell #2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194722 - Cell #3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194723 - Cell #4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194724 - Cell #5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194725 - Cell #7	<0.0200	<0.0200	<0.0200	0.0276		12.5
194726 - Cell #9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194727 - Cell #11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194728 - Cell #12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
194729 - Cell #13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194730 - Cell #14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194731 - Cell #15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194732 - Cell #16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194733 - Cell #17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194734 - Cell #19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
194735 - Cell #21	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

Appendix 1
Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location GMI Landform Date 04/30/09
 Project / Client 1st Quarter 2009 Soil Sampling
By: CMB Environmental & Geological Services Inc.

Page 1 of 3			
Cell #	Time	GPS Coordinates	Remarks
Cell 1	1030	33° 19.277N 103° 49.758	Brown clayey sand No. 1000 or 1001 3' BGS
Cell 2	1050	33° 23.273 103° 49.729	Red clayey sand No. 1002 or 1003 3' BGS
Cell 3	1100	33° 23.210 103° 49.766	Tan brown clayey sand No. 1004 or 1005 3' BGS
Cell 4	1105	33° 23.215 103° 49.790	Tan brown clayey sand No. 1006 or 1007 3' BGS
Cell 5	1110	33° 23.207 103° 49.863	Brown clayey sand No. 1008 or 1009 3' BGS
Cell 6	N/A	- out of service	
Cell 7	1115	33° 23.205 103° 49.899	Brown clayey sand No. 1010 or 1011 3' BGS
Cell 8	N/A	- out of service	

Location GMI Landform Date 04/30/09
 Project / Client 1st Quarter 2009 Soil Sampling
By: CMB Page 2 of 3

Cell #	Time	GPS Coordinates	Remarks
Cell 9	1120	33° 23.205 103° 49.961	Red clayey sand No. 1012 or 1013 3' BGS
Cell 10	N/A	- out of service	
Cell 11	1125	33° 23.209 103° 50.026	Brown clayey sand No. 1014 or 1015 3' BGS
Cell 12	1130	33° 23.180 103° 50.084	Brown clayey sand No. 1016 or 1017 3' BGS
Cell 13	1140	33° 23.204 103° 50.103	Brown clayey sand No. 1018 or 1019 3' BGS
Cell 14	1145	33° 23.117 103° 50.113	Brown clayey sand No. 1020 or 1021 3' BGS
Cell 15	1150	33° 23.194 103° 50.239	Brown clayey sand No. 1022 or 1023 3' BGS
Cell 16	1155	33° 23.177 103° 50.200	Tan brown clayey sand No. 1024 or 1025 3' BGS
Cell 17	1210	33° 23.207 103° 50.267	Brown clayey sand No. 1026 or 1027 3' BGS
Cell 18	N/A	- Under Construction	

Location

CMI Landfarm

Date

04/30/09

Project / Client

1st site 2009 Soil Sampling

By: CMB Page 3 of 3

Cell # Time

GPS Coordinates

Remarks

Cell 19 12:15

330 23.202

1030 50.347

Cell 21 12:25

330 23.215

1030 50.441

Branching

Said to

of 10 or

5 from 3.3m

Brown soil

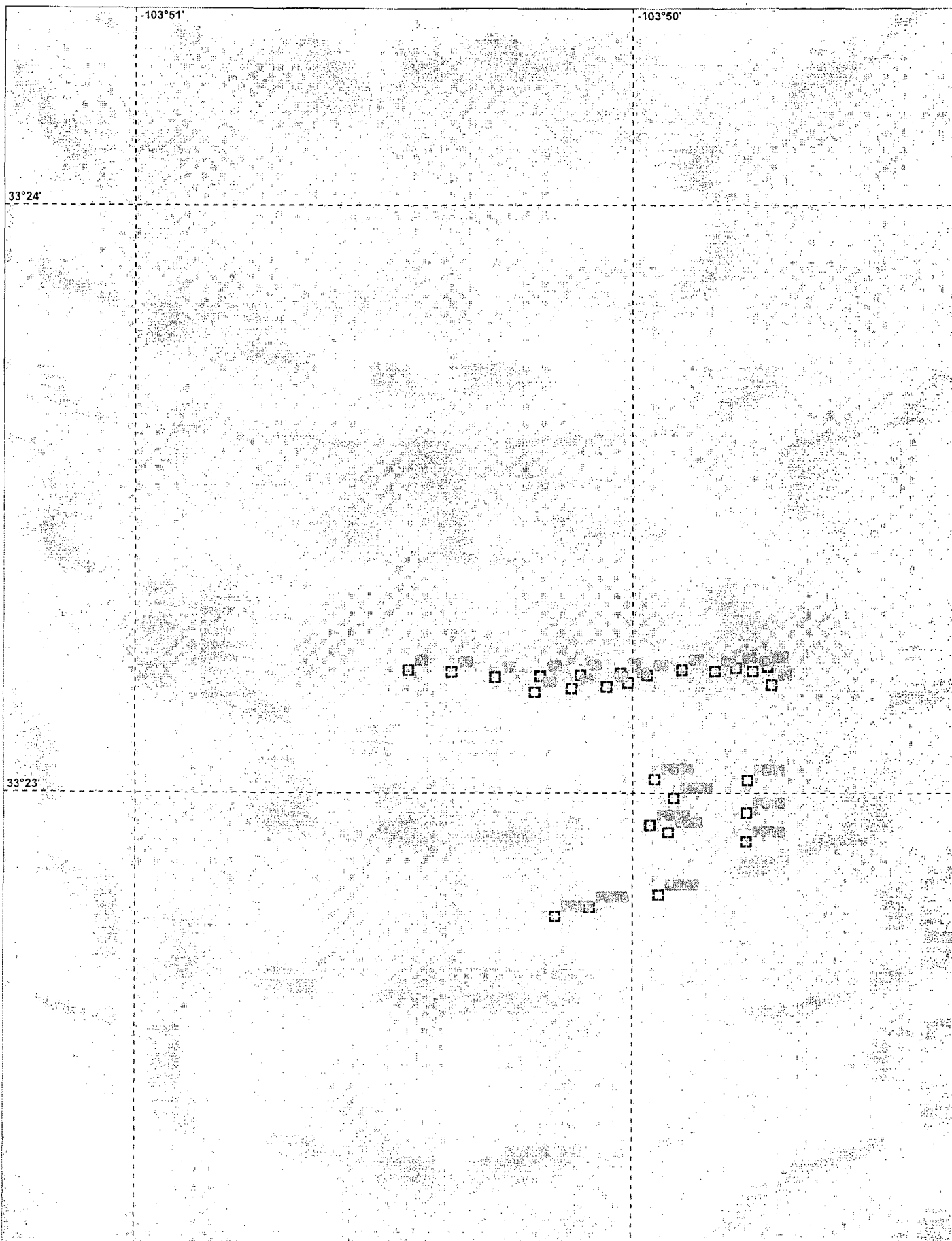
w/charcoal

No odor

problem

Date

Project / Client



Appendix 3



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 800•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 888•580•3443 915•565•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•655•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: May 7, 2009

Work Order: 9050420



Project Location: Sec. 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2009

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
194720	Cell #1	soil	2009-04-30	10:30	2009-05-02
194721	Cell #2	soil	2009-04-30	10:50	2009-05-02
194722	Cell #3	soil	2009-04-30	11:00	2009-05-02
194723	Cell #4	soil	2009-04-30	11:05	2009-05-02
194724	Cell #5	soil	2009-04-30	11:10	2009-05-02
194725	Cell #7	soil	2009-04-30	11:15	2009-05-02
194726	Cell #9	soil	2009-04-30	11:20	2009-05-02
194727	Cell #11	soil	2009-04-30	11:25	2009-05-02
194728	Cell #12	soil	2009-04-30	11:30	2009-05-02
194729	Cell #13	soil	2009-04-30	11:40	2009-05-02

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
194730	Cell #14	soil	2009-04-30	11:45	2009-05-02
194731	Cell #15	soil	2009-04-30	11:50	2009-05-02
194732	Cell #16	soil	2009-04-30	11:55	2009-05-02
194733	Cell #17	soil	2009-04-30	12:10	2009-05-02
194734	Cell #19	soil	2009-04-30	12:15	2009-05-02
194735	Cell #21	soil	2009-04-30	12:25	2009-05-02

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

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2009-05-02 and assigned to work order 9050420. Samples for work order 9050420 were received intact at a temperature of 2.6 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	50471	2009-05-04 at 07:17	59142	2009-05-04 at 07:17
BTEX	S 8021B	50475	2009-05-04 at 07:16	59149	2009-05-04 at 07:16
TPH 418.1	E 418.1	50556	2009-05-07 at 09:00	59240	2009-05-07 at 12:20

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9050420 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Report Date: May 7, 2009
1st Quarter Soil Sampling 2009

Work Order: 9050420
GMI Landfarm

Page Number: 4 of 21
Sec. 8, 9, T11S-R31E, Chaves Co., NM

Analytical Report

Sample: 194720 - Cell #1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.88	mg/Kg	1	2.00	94	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.84	mg/Kg	1	2.00	92	71.6 - 105

Sample: 194720 - Cell #1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		32.8	mg/Kg	1	10.0

Sample: 194721 - Cell #2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Report Date: May 7, 2009
1st Quarter Soil Sampling 2009

Work Order: 9050420
GMI Landfarm

Page Number: 5 of 21
Sec. 8, 9, T11S-R31E, Chaves Co., NM

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.92	mg/Kg	1	2.00	96	71.6 - 105

Sample: 194721 - Cell #2

Laboratory: Lubbock
Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 59240 Date Analyzed: 2009-05-07 Analyzed By: CM
Prep Batch: 50556 Sample Preparation: 2009-05-07 Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194722 - Cell #3

Laboratory: Lubbock
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 59142 Date Analyzed: 2009-05-04 Analyzed By: ER
Prep Batch: 50471 Sample Preparation: 2009-05-04 Prepared By: ER

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	71.6 - 105

Sample: 194722 - Cell #3

Laboratory: Lubbock
Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 59240 Date Analyzed: 2009-05-07 Analyzed By: CM
Prep Batch: 50556 Sample Preparation: 2009-05-07 Prepared By: CM

Report Date: May 7, 2009
1st Quarter Soil Sampling 2009

Work Order: 9050420
GMI Landfarm

Page Number: 6 of 21
Sec. 8, 9, T11S-R31E, Chaves Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194723 - Cell #4

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 59142

Prep Batch: 50471

Analytical Method: S 8021B

Date Analyzed: 2009-05-04

Sample Preparation: 2009-05-04

Prep Method: S 5035

Analyzed By: ER

Prepared By: ER

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	71.6 - 105

Sample: 194723 - Cell #4

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 59240

Prep Batch: 50556

Analytical Method: E 418.1

Date Analyzed: 2009-05-07

Sample Preparation: 2009-05-07

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194724 - Cell #5

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 59142

Prep Batch: 50471

Analytical Method: S 8021B

Date Analyzed: 2009-05-04

Sample Preparation: 2009-05-04

Prep Method: S 5035

Analyzed By: ER

Prepared By: ER

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

continued ...

sample 194724 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	71.6 - 105

Sample: 194724 - Cell #5

Laboratory: Lubbock			
Analysis: TPH 418.1	Analytical Method: E 418.1	Prep Method: N/A	
QC Batch: 59240	Date Analyzed: 2009-05-07	Analyzed By: CM	
Prep Batch: 50556	Sample Preparation: 2009-05-07	Prepared By: CM	

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194725 - Cell #7

Laboratory: Lubbock			
Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035	
QC Batch: 59142	Date Analyzed: 2009-05-04	Analyzed By: ER	
Prep Batch: 50471	Sample Preparation: 2009-05-04	Prepared By: ER	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		0.0276	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.88	mg/Kg	1	2.00	94	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	71.6 - 105

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Sample: 194725 - Cell #7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		12.5	mg/Kg	1	10.0

Sample: 194726 - Cell #9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	70.5 - 105
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	71.6 - 105

Sample: 194726 - Cell #9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 194727 - Cell #11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.88	mg/Kg	1	2.00	94	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	71.6 - 105

Sample: 194727 - Cell #11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194728 - Cell #12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	71.6 - 105

Sample: 194728 - Cell #12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194729 - Cell #13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.95	mg/Kg	1	2.00	98	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	71.6 - 105

Sample: 194729 - Cell #13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194730 - Cell #14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.89	mg/Kg	1	2.00	94	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.92	mg/Kg	1	2.00	96	71.6 - 105

Sample: 194730 - Cell #14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194731 - Cell #15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

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sample 194731 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70.5 - 105
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	71.6 - 105

Sample: 194731 - Cell #15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL		Units	Dilution	RL
		Result				
TRPHC		<10.0		mg/Kg	1	10.0

Sample: 194732 - Cell #16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	70.5 - 105
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	71.6 - 105

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Sample: 194732 - Cell #16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194733 - Cell #17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59142
Prep Batch: 50471

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/Kg	1	2.00	92	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	71.6 - 105

Sample: 194733 - Cell #17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194734 - Cell #19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59149
Prep Batch: 50475

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	1	2.33	mg/Kg	1	2.00	116	72.9 - 113
4-Bromofluorobenzene (4-BFB)		2.29	mg/Kg	1	2.00	114	42.1 - 116

Sample: 194734 - Cell #19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 194735 - Cell #21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 59149
Prep Batch: 50475

Analytical Method: S 8021B
Date Analyzed: 2009-05-04
Sample Preparation: 2009-05-04

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

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

¹High surrogate recovery. Sample non-detect, result bias high.

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²	2.43	mg/Kg	1	2.00	122	72.9 - 113
4-Bromofluorobenzene (4-BFB)	³	2.40	mg/Kg	1	2.00	120	42.1 - 116

Sample: 194735 - Cell #21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 59240
Prep Batch: 50556

Analytical Method: E 418.1
Date Analyzed: 2009-05-07
Sample Preparation: 2009-05-07

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Method Blank (1) QC Batch: 59142

QC Batch: 59142
Prep Batch: 50471

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00242	mg/Kg	0.02
Toluene		<0.00335	mg/Kg	0.02
Ethylbenzene		<0.00357	mg/Kg	0.02
Xylene		<0.00388	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.71	mg/Kg	1	2.00	86	70.5 - 105
4-Bromofluorobenzene (4-BFB)		1.70	mg/Kg	1	2.00	85	71.6 - 105

Method Blank (1) QC Batch: 59149

QC Batch: 59149
Prep Batch: 50475

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

²High surrogate recovery. Sample non-detect, result bias high.

³High surrogate recovery. Sample non-detect, result bias high.

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Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00505	mg/Kg	0.02
Toluene		<0.00611	mg/Kg	0.02
Ethylbenzene		<0.00630	mg/Kg	0.02
Xylene		<0.00673	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.71	mg/Kg	1	2.00	86	72.9 - 113
4-Bromofluorobenzene (4-BFB)		1.77	mg/Kg	1	2.00	88	42.1 - 116

Method Blank (1) QC Batch: 59240

QC Batch: 59240
Prep Batch: 50556

Date Analyzed: 2009-05-07
QC Preparation: 2009-05-07

Analyzed By: CM
Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 59142
Prep Batch: 50471

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.08	mg/Kg	1	2.00	<0.00242	104	83.8 - 108
Toluene	2.06	mg/Kg	1	2.00	<0.00335	103	84.3 - 108
Ethylbenzene	2.07	mg/Kg	1	2.00	<0.00357	104	83.2 - 108
Xylene	⁴ 6.46	mg/Kg	1	6.00	<0.00388	108	84.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.02	mg/Kg	1	2.00	<0.00242	101	83.8 - 108	3	20
Toluene	1.99	mg/Kg	1	2.00	<0.00335	100	84.3 - 108	3	20
Ethylbenzene	2.01	mg/Kg	1	2.00	<0.00357	100	83.2 - 108	3	20
Xylene	6.35	mg/Kg	1	6.00	<0.00388	106	84.6 - 107	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

⁴ Analyte recovery high outside of control limits. Reportable concentrations will be estimated values. •

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Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.79	1.79	mg/Kg	1	2.00	90	90	78 - 116
4-Bromofluorobenzene (4-BFB)	1.72	1.74	mg/Kg	1	2.00	86	87	79.5 - 118

Laboratory Control Spike (LCS-1)

QC Batch: 59149
Prep Batch: 50475

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.91	mg/Kg	1	2.00	<0.00505	96	79.1 - 109
Toluene	1.93	mg/Kg	1	2.00	<0.00611	96	79.4 - 111
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.00630	96	77.7 - 112
Xylene	5.73	mg/Kg	1	6.00	<0.00673	96	78.4 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.94	mg/Kg	1	2.00	<0.00505	97	79.1 - 109	2	20
Toluene	1.89	mg/Kg	1	2.00	<0.00611	94	79.4 - 111	2	20
Ethylbenzene	1.89	mg/Kg	1	2.00	<0.00630	94	77.7 - 112	2	20
Xylene	5.63	mg/Kg	1	6.00	<0.00673	94	78.4 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.79	1.77	mg/Kg	1	2.00	90	88	72.9 - 111
4-Bromofluorobenzene (4-BFB)	1.82	1.78	mg/Kg	1	2.00	91	89	68.5 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 59240
Prep Batch: 50556

Date Analyzed: 2009-05-07
QC Preparation: 2009-05-07

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	278	mg/Kg	1	250	<5.28	111	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	243	mg/Kg	1	250	<5.28	97	75.5 - 136	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 194720

QC Batch: 59142
Prep Batch: 50471

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.85	mg/Kg	1	2.00	<0.00242	92	27.5 - 163
Toluene	1.92	mg/Kg	1	2.00	<0.00335	96	10 - 185
Ethylbenzene	2.03	mg/Kg	1	2.00	<0.00357	102	33.2 - 178
Xylene	6.41	mg/Kg	1	6.00	<0.00388	107	34.4 - 181

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.72	mg/Kg	1	2.00	<0.00242	86	27.5 - 163	7	20
Toluene	1.80	mg/Kg	1	2.00	<0.00335	90	10 - 185	6	20
Ethylbenzene	1.87	mg/Kg	1	2.00	<0.00357	94	33.2 - 178	8	20
Xylene	5.84	mg/Kg	1	6.00	<0.00388	97	34.4 - 181	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.92	1.96	mg/Kg	1	2	96	98	78 - 123
4-Bromofluorobenzene (4-BFB)	1.90	1.88	mg/Kg	1	2	95	94	79.9 - 128

Matrix Spike (MS-1) Spiked Sample: 194734

QC Batch: 59149
Prep Batch: 50475

Date Analyzed: 2009-05-04
QC Preparation: 2009-05-04

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.43	mg/Kg	1	2.00	<0.00505	122	55.2 - 162
Toluene	2.59	mg/Kg	1	2.00	<0.00611	130	56.5 - 172
Ethylbenzene	2.72	mg/Kg	1	2.00	<0.00630	136	62.3 - 180
Xylene	8.12	mg/Kg	1	6.00	<0.00673	135	62.2 - 182

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.41	mg/Kg	1	2.00	<0.00505	120	55.2 - 162	1	20
Toluene	2.54	mg/Kg	1	2.00	<0.00611	127	56.5 - 172	2	20
Ethylbenzene	2.69	mg/Kg	1	2.00	<0.00630	134	62.3 - 180	1	20
Xylene	8.02	mg/Kg	1	6.00	<0.00673	134	62.2 - 182	1	20

Report Date: May 7, 2009
1st Quarter Soil Sampling 2009

Work Order: 9050420
GMI Landfarm

Page Number: 19 of 21
Sec. 8, 9, T11S-R31E, Chaves Co., NM

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.66	2.64	mg/Kg	1	2	133	132	52.2 - 173
4-Bromofluorobenzene (4-BFB)	2.61	2.55	mg/Kg	1	2	130	128	63.5 - 171

Matrix Spike (MS-1) Spiked Sample: 194735

QC Batch: 59240
Prep Batch: 50556

Date Analyzed: 2009-05-07
QC Preparation: 2009-05-07

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	283	mg/Kg	1	250	<5.28	113	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD Limit
TRPHC	292	mg/Kg	1	250	<5.28	117	10 - 354	3 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 59142

Date Analyzed: 2009-05-04

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	80 - 120	2009-05-04
Toluene		mg/Kg	0.100	0.101	101	80 - 120	2009-05-04
Ethylbenzene		mg/Kg	0.100	0.102	102	80 - 120	2009-05-04
Xylene		mg/Kg	0.300	0.321	107	80 - 120	2009-05-04

Standard (CCV-2)

QC Batch: 59142

Date Analyzed: 2009-05-04

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.101	101	80 - 120	2009-05-04
Toluene		mg/Kg	0.100	0.0991	99	80 - 120	2009-05-04
Ethylbenzene		mg/Kg	0.100	0.0995	100	80 - 120	2009-05-04
Xylene		mg/Kg	0.300	0.314	105	80 - 120	2009-05-04

Standard (CCV-3)

QC Batch: 59142

Date Analyzed: 2009-05-04

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.106	106	80 - 120	2009-05-04
Toluene		mg/Kg	0.100	0.105	105	80 - 120	2009-05-04
Ethylbenzene		mg/Kg	0.100	0.105	105	80 - 120	2009-05-04
Xylene		mg/Kg	0.300	0.327	109	80 - 120	2009-05-04

Standard (CCV-2)

QC Batch: 59149

Date Analyzed: 2009-05-04

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0968	97	80 - 120	2009-05-04
Toluene		mg/Kg	0.100	0.0941	94	80 - 120	2009-05-04
Ethylbenzene		mg/Kg	0.100	0.0927	93	80 - 120	2009-05-04
Xylene		mg/Kg	0.300	0.276	92	80 - 120	2009-05-04

Standard (CCV-3)

QC Batch: 59149

Date Analyzed: 2009-05-04

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0951	95	80 - 120	2009-05-04
Toluene		mg/Kg	0.100	0.0925	92	80 - 120	2009-05-04
Ethylbenzene		mg/Kg	0.100	0.0908	91	80 - 120	2009-05-04
Xylene		mg/Kg	0.300	0.270	90	80 - 120	2009-05-04

Standard (ICV-1)

QC Batch: 59240

Date Analyzed: 2009-05-07

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	110	110	80 - 120	2009-05-07

Report Date: May 7, 2009
1st Quarter Soil Sampling 2009

Work Order: 9050420
GMI Landfarm

Page Number: 21 of 21
Sec. 8, 9, T11S-R31E, Chaves Co., NM

Standard (CCV-1)

QC Batch: 59240

Date Analyzed: 2009-05-07

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	109	109	80 - 120	2009-05-07

Standard (CCV-2)

QC Batch: 59240

Date Analyzed: 2009-05-07

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	110	110	80 - 120	2009-05-07

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (806) 689-6301
Fax (432) 689-6313
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

Company Name: Gandy Marley Inc. Phone #: 575-347-0434

Address: PO Box 1658 Roswell, NM 88202-575-347-0435

Contact Person: Larry Gandy E-mail: larry@btm.com

Invoice to: (if different from above)

Project #: 1st Quarter Soil Sampling 2009 Project Name: GM I Landstar

Project Location (including state): Sel. 458, 9 T. 11.5. R. 31E. NW Supplier Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		TIME	DATE	DATE	Temp °C	Temp °C
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE							
731	Cell #15	1	40%	X				X	X	X	X	X	X			1150	01/30/09			
732	Cell #16															1155				
733	Cell #17															1210				
734	Cell #19															1215				
735	Cell #21															1225				

Relinquished by: [Signature] Company: OMB Date: 05/10/09 Time: 0700 Received by: Adam Whelan Company: 5102109 Date: 9.10 Temp °C: 2.6

Relinquished by: [Signature] Company: OMB Date: 05/10/09 Time: 0700 Received by: Adam Whelan Company: 5102109 Date: 9.10 Temp °C: 2.6

Relinquished by: [Signature] Company: OMB Date: 05/10/09 Time: 0700 Received by: Adam Whelan Company: 5102109 Date: 9.10 Temp °C: 2.6

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Greyhound GLI 3052515884

ANALYSIS REQUEST

(Circle or Specify Method No.)

☐ Turn Around Time if different from standard	☐ RCI	☐ GC/MS Vol. 8260B / 624	☐ GC/MS Semi. Vol. 8270C / 625	☐ PCB's 8082 / 608	☐ Pesticides 8081A / 608	☐ BOD, TSS, pH	☐ Moisture Content
☐ Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	☐ TCLP Metals Ag As Ba Cd Cr Pb Se Hg	☐ TCLP Volatiles	☐ TCLP Semi Volatiles	☐ TCLP Pesticides	☐ RCI	☐ GC/MS Vol. 8260B / 624	☐ GC/MS Semi. Vol. 8270C / 625
☐ PAH 8270C / 625	☐ TPH 8015 GRO / DRO / TVHC	☐ TPH 418 / TX1005 / TX1005 Ex(C35)	☐ MTBE 8021B / 602 / 8260B / 624	☐ MTBE 8021B / 602 / 8260B / 624	☐ MTBE 8021B / 602 / 8260B / 624	☐ MTBE 8021B / 602 / 8260B / 624	☐ MTBE 8021B / 602 / 8260B / 624

REMARKS: Please send copy of results ASAP to Cmben@omc.com

LAB USE ONLY

Initial: Y / N / NA

Headspace: Y / N / NA

Log-In Review: Y / N / NA

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check if Special Reporting Limits Are Needed

NM01-19

RECEIVED

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: February 10, 2008
Page 1

2009 MAR 5 PM 1:10

February 10, 2008
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Submittal of Annual Monitoring Report for Year 2008
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Annual Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me. Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

Prepared by CMB Environmental and Geological Services Inc., Roswell, NM

COVER PAGE

ANNUAL YEAR END MONITORING REPORT

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Larry Gandy, Vice President
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**

5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

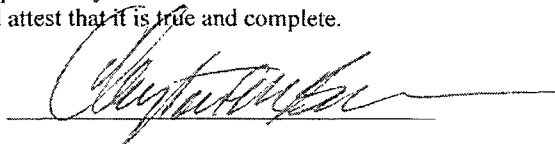
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **February 10, 2008**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/09

Date:

02/10/2009

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this annual monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc.), approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In August of 2000, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. A new permit was submitted and approved on January 17, 2006 NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the annual report for yearend monitoring of the year 2008 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), BTEX, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals, and then produce a map showing the sample locations, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Table 1 contains Trace Analysis Lab Sample Summary Reports of cell soil samples taken beneath all landfarm cells. Appendix 3 contains the complete analytical results for soils sampled in these Cells. A site facility map is plotted in figure 1. Soil sample locations, as per GPS Coordinates, are plotted in figure 2

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Annual Highlights

Annual Year End Soil Sampling for Year 2008 was performed on January 20, 2009. This Year End 2008 monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS YEAR END SAMPLING EVENT

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals.

The soil sampling adequately monitored the vadose zone beneath the facility. Field parameters included a lithologic description of the soil samples, and GPS location coordinates of the soil samples. Field Notes containing this information are found in Appendix 2. Soil Sample laboratory summary results are located in Table 1. Laboratory analysis reports and chain of custody forms are in Appendix 3.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. has demonstrated in the year 2008 that they are highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.01 PPM BTEX, and acceptable TPH concentrations (≤ 17 PPM TPH). Chlorides concentrations are below 250 PPM in all cells with the exception of Cell #'s 2, 3, 10, 12, 13, 14, 15, & 17. Cells with elevated chloride concentrations are cells which previously accepted salt contaminated soils and drilling mud produced from oil and gas activities in northern Lea and Chaves counties, New Mexico. Drilling mud is a RCRA Exempt waste, but is normally high in chloride concentrations.

Gandy-Marley Inc has engineered and lined certain cells to allow for the acceptance and disposal of soils with high chloride concentrations.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

LIST OF FIGURES

Figure		Included	N/A
1	Site Map / Topographic Map with cell locations plotted	X	
2	Topographic Map with sample locations , as per GPS, plotted	X	

LIST OF TABLES

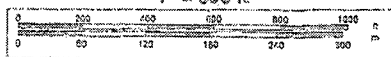
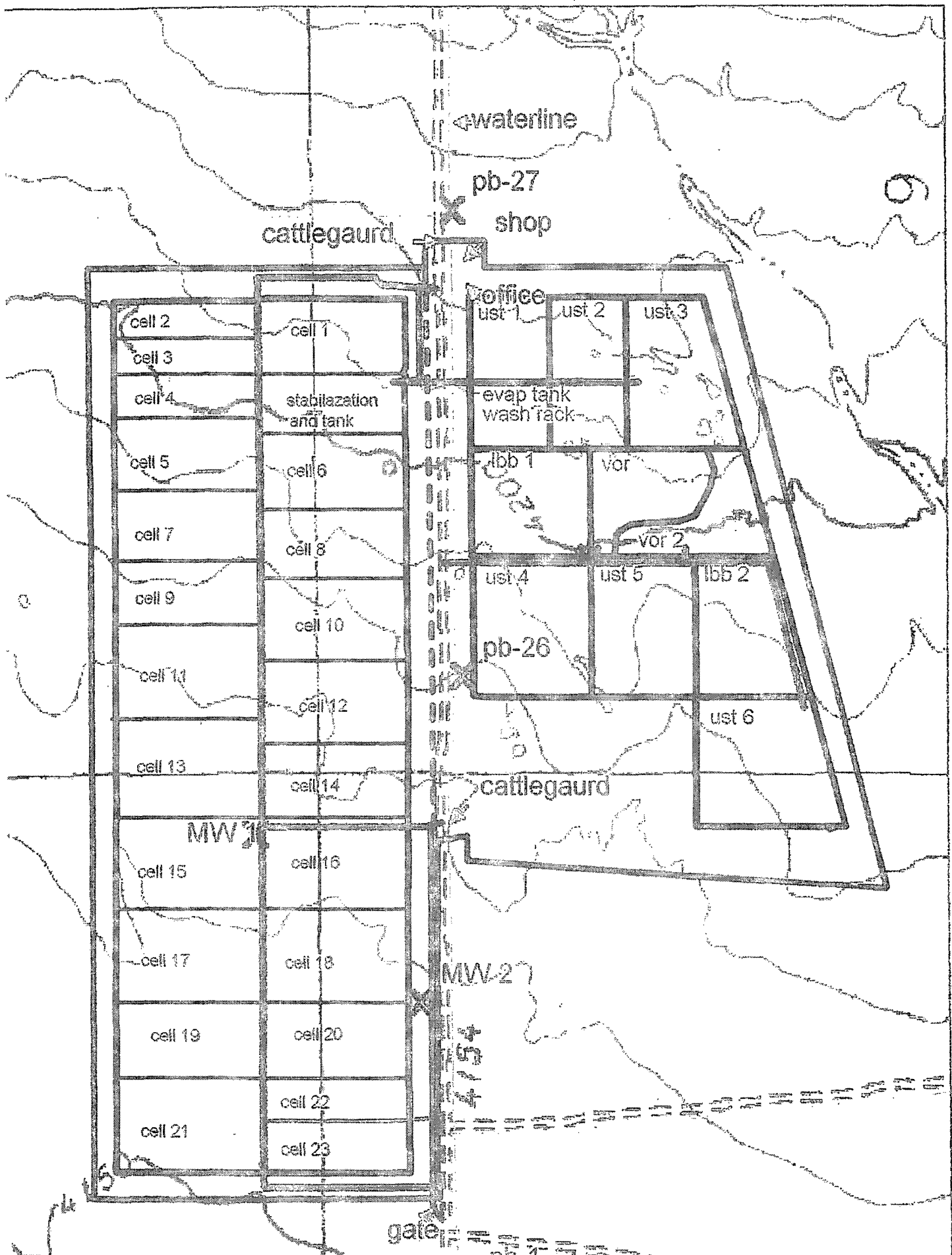
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

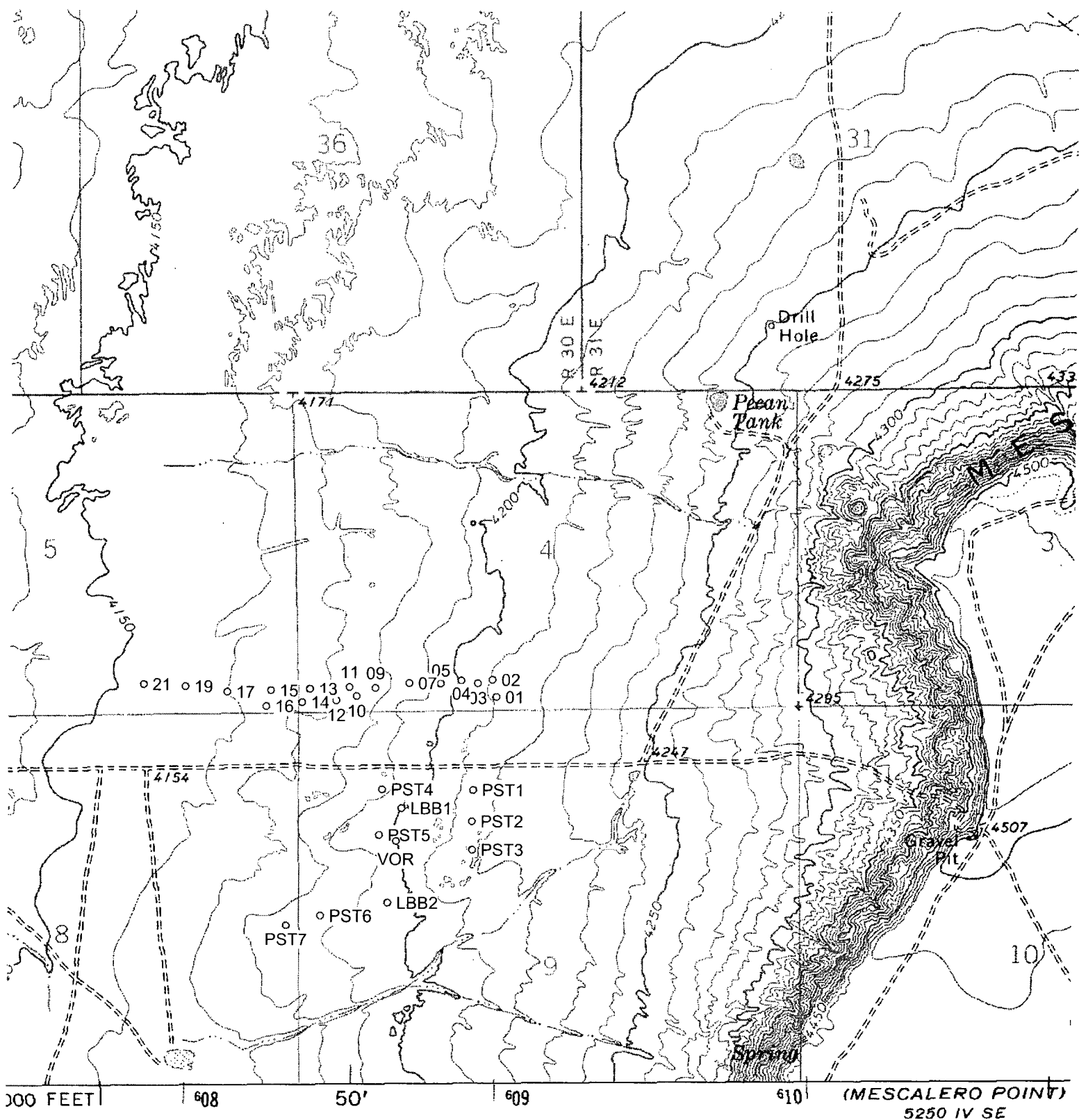
LIST OF APPENDICES

Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: February 10, 2009

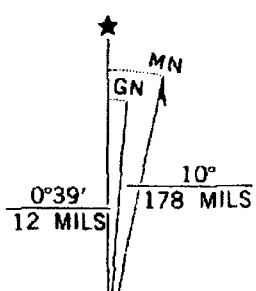
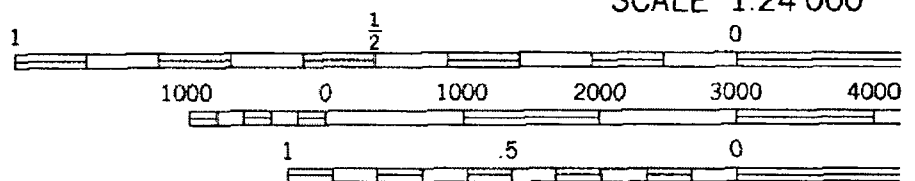
Figures:





100 FEET 608 50' 609 610 (MESCALERO POINT) 5250 IV SE

SCALE 1:24 000



CONTOUR INTERVAL 10 |
 DOTTED LINES REPRESENT 5-FOOT
 50-FOOT CONTOURS SHOWN IN SHIFT
 NATIONAL GEODETIC VERTICAL DAT

'Mescalero Point NE; NM' Scale: 1" = 0.250Mi 402Mt 1,320Ft, 1 Mi = 4,000", 1 cm = 158Mt

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: February 10, 2009

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: January 29, 2009

Work Order: 9012207



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM
Project Name: GMI Landfarm
Project Number: Annual Year End Soil Sampling 2008

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
185503	Cell 1	soil	2009-01-20	09:55	2009-01-22
185504	Cell 2	soil	2009-01-20	10:20	2009-01-22
185505	Cell 3	soil	2009-01-20	10:35	2009-01-22
185506	Cell 4	soil	2009-01-20	10:46	2009-01-22
185507	Cell 5	soil	2009-01-20	10:58	2009-01-22
185508	Cell 7	soil	2009-01-20	11:20	2009-01-22
185509	Cell 9	soil	2009-01-20	11:35	2009-01-22
185510	Cell 10	soil	2009-01-20	11:48	2009-01-22
185511	Cell 11	soil	2009-01-20	12:00	2009-01-22
185512	Cell 12	soil	2009-01-20	12:15	2009-01-22
185513	Cell 13	soil	2009-01-20	12:32	2009-01-22
185514	Cell 14	soil	2009-01-20	12:50	2009-01-22
185515	Cell 15	soil	2009-01-20	13:00	2009-01-22
185516	Cell 16	soil	2009-01-20	13:10	2009-01-22
185517	Cell 17	soil	2009-01-20	13:25	2009-01-22
185518	Cell 19	soil	2009-01-20	13:40	2009-01-22
185519	Cell 21	soil	2009-01-20	13:52	2009-01-22

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
185503 - Cell 1	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185504 - Cell 2	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185505 - Cell 3	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185506 - Cell 4	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185507 - Cell 5	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185508 - Cell 7	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185509 - Cell 9	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185510 - Cell 10	<0.0100	<0.0100	<0.0100	<0.0100		<10.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
185511 - Cell 11	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185512 - Cell 12	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185513 - Cell 13	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185514 - Cell 14	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185515 - Cell 15	<0.0100	<0.0100	<0.0100	<0.0100		16.2
185516 - Cell 16	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185517 - Cell 17	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185518 - Cell 19	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
185519 - Cell 21	<0.0100	<0.0100	<0.0100	<0.0100		<10.0

Sample: 185503 - Cell 1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	4.00
Total Alkalinity		133	mg/Kg as CaCo3	4.00
Total Calcium		147000	mg/Kg	100
Chloride		52.2	mg/Kg	1.00
Specific Conductance		2250	uMHOS/cm	0.00
Total Potassium		1190	mg/Kg	100
Total Magnesium		3820	mg/Kg	100
Total Sodium		610	mg/Kg	100
pH		7.67	s.u.	0.00
Sulfate		765	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.63	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185504 - Cell 2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Calcium		16600	mg/Kg	100
Chloride		1510	mg/Kg	1.00
Specific Conductance		6130	uMHOS/cm	0.00

continued ...

sample 185504 continued ...

Param	Flag	Result	Units	RL
Total Potassium		1780	mg/Kg	100
Total Magnesium		2240	mg/Kg	100
Total Sodium		910	mg/Kg	100
pH		7.72	s.u.	0.00
Sulfate		278	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.50	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185505 - Cell 3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		6920	mg/Kg	100
Chloride		848	mg/Kg	1.00
Specific Conductance		3670	uMHOS/cm	0.00
Total Potassium		1630	mg/Kg	100
Total Magnesium		2380	mg/Kg	100
Total Sodium		538	mg/Kg	100
pH		8.16	s.u.	0.00
Sulfate		168	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.65	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185506 - Cell 4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		66.7	mg/Kg as CaCo3	4.00

continued ...

sample 185506 continued ...

Param	Flag	Result	Units	RL
Total Alkalinity		66.7	mg/Kg as CaCo3	4.00
Total Calcium		125000	mg/Kg	100
Chloride		186	mg/Kg	1.00
Specific Conductance		3510	uMHOS/cm	0.00
Total Potassium		780	mg/Kg	100
Total Magnesium		1940	mg/Kg	100
Total Sodium		569	mg/Kg	100
pH		8.01	s.u.	0.00
Sulfate		1000	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.17	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185507 - Cell 5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		86.7	mg/Kg as CaCo3	4.00
Total Alkalinity		86.7	mg/Kg as CaCo3	4.00
Total Calcium		59200	mg/Kg	100
Chloride		59.4	mg/Kg	1.00
Specific Conductance		1280	uMHOS/cm	0.00
Total Potassium		1810	mg/Kg	100
Total Magnesium		2900	mg/Kg	100
Total Sodium		277	mg/Kg	100
pH		8.43	s.u.	0.00
Sulfate		182	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.62	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185508 - Cell 7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		96.0	mg/Kg as CaCo3	4.00
Total Alkalinity		96.0	mg/Kg as CaCo3	4.00
Total Calcium		41400	mg/Kg	100
Chloride		56.4	mg/Kg	1.00
Specific Conductance		1310	uMHOS/cm	0.00
Total Potassium		1410	mg/Kg	100
Total Magnesium		2980	mg/Kg	100
Total Sodium		420	mg/Kg	100
pH		8.57	s.u.	0.00
Sulfate		92.1	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.05	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185509 - Cell 9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		30.0	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		140	mg/Kg as CaCo3	4.00
Total Alkalinity		170	mg/Kg as CaCo3	4.00
Total Calcium		10200	mg/Kg	100
Chloride		52.2	mg/Kg	1.00
Specific Conductance		1430	uMHOS/cm	0.00
Total Potassium		1640	mg/Kg	100
Total Magnesium		2640	mg/Kg	100
Total Sodium		672	mg/Kg	100
pH		8.16	s.u.	0.00
Sulfate		99.8	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.90	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185510 - Cell 10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Calcium		5980	mg/Kg	100
Chloride		724	mg/Kg	1.00
Specific Conductance		3370	uMHOS/cm	0.00
Total Potassium		1620	mg/Kg	100
Total Magnesium		2290	mg/Kg	100
Total Sodium		674	mg/Kg	100
pH		7.95	s.u.	0.00
Sulfate		168	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.27	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185511 - Cell 11

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Calcium		44100	mg/Kg	100
Chloride		155	mg/Kg	1.00
Specific Conductance		1840	uMHOS/cm	0.00
Total Potassium		1970	mg/Kg	100
Total Magnesium		3630	mg/Kg	100
Total Sodium		516	mg/Kg	100
pH		7.78	s.u.	0.00
Sulfate		245	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.01	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185512 - Cell 12

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Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Calcium		11400	mg/Kg	100
Chloride		433	mg/Kg	1.00
Specific Conductance		3060	uMHOS/cm	0.00
Total Potassium		1310	mg/Kg	100
Total Magnesium		1970	mg/Kg	100
Total Sodium		583	mg/Kg	100
pH		8.25	s.u.	0.00
Sulfate		305	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.32	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185513 - Cell 13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		54.3	mg/Kg as CaCo3	4.00
Total Alkalinity		54.3	mg/Kg as CaCo3	4.00
Total Calcium		30700	mg/Kg	100
Chloride		326	mg/Kg	1.00
Specific Conductance		2010	uMHOS/cm	0.00
Total Potassium		1790	mg/Kg	100
Total Magnesium		2880	mg/Kg	100
Total Sodium		262	mg/Kg	100
pH		8.39	s.u.	0.00
Sulfate		77.7	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.86	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185514 - Cell 14

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This is only a summary. Please, refer to the complete report package for quality control data.

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		16.0	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		132	mg/Kg as CaCo3	4.00
Total Alkalinity		148	mg/Kg as CaCo3	4.00
Total Calcium		113000	mg/Kg	100
Chloride		282	mg/Kg	1.00
Specific Conductance		3360	uMHOS/cm	0.00
Total Potassium		740	mg/Kg	100
Total Magnesium		2310	mg/Kg	100
Total Sodium		1010	mg/Kg	100
pH		8.82	s.u.	0.00
Sulfate		477	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.71	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185515 - Cell 15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		48.6	mg/Kg as CaCo3	4.00
Total Alkalinity		48.6	mg/Kg as CaCo3	4.00
Total Calcium		5250	mg/Kg	100
Chloride		273	mg/Kg	1.00
Specific Conductance		2150	uMHOS/cm	0.00
Total Potassium		1320	mg/Kg	100
Total Magnesium		1300	mg/Kg	100
Total Sodium		434	mg/Kg	100
pH		8.35	s.u.	0.00
Sulfate		259	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.69	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185516 - Cell 16

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Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	4.00
Total Alkalinity		100	mg/Kg as CaCo3	4.00
Total Calcium		81100	mg/Kg	100
Chloride		86.8	mg/Kg	1.00
Specific Conductance		1020	uMHOS/cm	0.00
Total Potassium		742	mg/Kg	100
Total Magnesium		2900	mg/Kg	100
Total Sodium		256	mg/Kg	100
pH		8.69	s.u.	0.00
Sulfate		55.9	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.86	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185517 - Cell 17

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	4.00
Total Calcium		84600	mg/Kg	100
Chloride		330	mg/Kg	1.00
Specific Conductance		1880	uMHOS/cm	0.00
Total Potassium		940	mg/Kg	100
Total Magnesium		2230	mg/Kg	100
Total Sodium		290	mg/Kg	100
pH		8.27	s.u.	0.00
Sulfate		48.2	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.74	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185518 - Cell 19

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Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Calcium		2510	mg/Kg	100
Chloride		187	mg/Kg	1.00
Specific Conductance		1870	uMHOS/cm	0.00
Total Potassium		1350	mg/Kg	100
Total Magnesium		1280	mg/Kg	100
Total Sodium		509	mg/Kg	100
pH		8.40	s.u.	0.00
Sulfate		178	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.56	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 185519 - Cell 21

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		76.0	mg/Kg as CaCo3	4.00
Total Alkalinity		76.0	mg/Kg as CaCo3	4.00
Total Calcium		47100	mg/Kg	100
Chloride		207	mg/Kg	1.00
Specific Conductance		2080	uMHOS/cm	0.00
Total Potassium		2000	mg/Kg	100
Total Magnesium		3730	mg/Kg	100
Total Sodium		344	mg/Kg	100
pH		8.06	s.u.	0.00
Sulfate		274	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.79	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.00500	mg/L	0.00500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Appendix 1

Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location GMT Landfarm Date 01/20/09
 Project / Client Year End, 4th Qtr. 2008 Soil
Sampling By: CMB Environmental & Geological
Services, Inc. Page 1 of 3 By: CMB

Well #	Time	GPS Coord.	Remarks
1	0955	33° 23.177N 103° 49.690W	Tan brown Clayey Sand w/ Caliche No odor or stain 3' BGS.
2	1020	33° 23.205N 103° 49.696W	Red Clayey Sand w/ odor or stain 3' BGS.
3	1035	33° 23.200N 103° 49.727W	Red Clayey Sand w/ odor or stain 3' BGS.
4	1046	33° 23.205N 103° 49.761W	Tan brown Clayey Sand w/ Caliche No odor or stain 3' BGS.
5	1058	33° 23.200N 103° 49.804W	Tan brown Clayey Sand / Caliche No odor or stain 3' BGS.
6	N/A	—	out of service.
7	1120	33° 23.202N 103° 49.870W	Brown Clayey Sand / Caliche No odor or stain 3' BGS.
8	N/A	—	out of service.

Location GMT Landfarm Date 01/20/09
 Project / Client Year End 4th Qtr. 2008 Soil
Sampling By: CMB Environmental & Geological
Services, Inc. Page 2 of 3 By: CMB

Well #	Time	GPS Coord.	Remarks
9	1135	33° 23.193N 103° 49.939W	Red clayey Sand w/ odor or stain 3' BGS.
10	1148	33° 23.179N 103° 49.978W	Red clayey Sand w/ odor or stain 3' BGS.
11	1200	33° 23.195N 103° 49.993W	Brown sand Clayey Sand No odor or stain 3' BGS.
12	1215	33° 23.171N 103° 50.020W	Brown clayey Sand w/ odor or stain 3' BGS.
13	1232	33° 23.192N 103° 50.075W	Red clayey Sand w/ odor or stain 3' BGS.
14	1250	33° 23.169N 103° 50.092W	Tan brown Clayey Sand w/ Caliche No odor or stain 3' BGS.
15	1300	33° 23.190N 103° 50.156W	Red Sand. No odor or stain 3' BGS.
16	1310	33° 23.162N 103° 50.166W	Tan brown Clayey Sand w/ Caliche No odor or stain 3' BGS.

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Related Client

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DATE	TIME	CELL #	TIME	GPS COORD.	REMARKS
11/11/11	10:00	101	10:05	34.000000	101
11/11/11	10:05	101	10:10	34.000000	101
11/11/11	10:10	101	10:15	34.000000	101
11/11/11	10:15	101	10:20	34.000000	101
11/11/11	10:20	101	10:25	34.000000	101
11/11/11	10:25	101	10:30	34.000000	101
11/11/11	10:30	101	10:35	34.000000	101
11/11/11	10:35	101	10:40	34.000000	101
11/11/11	10:40	101	10:45	34.000000	101
11/11/11	10:45	101	10:50	34.000000	101
11/11/11	10:50	101	10:55	34.000000	101
11/11/11	10:55	101	11:00	34.000000	101
11/11/11	11:00	101	11:05	34.000000	101
11/11/11	11:05	101	11:10	34.000000	101
11/11/11	11:10	101	11:15	34.000000	101
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11/11/11	14:10	101	14:15	34.000000	101
11/11/11	14:15	101	14:20	34.000000	101
11/11/11	14:20	101	14:25	34.000000	101

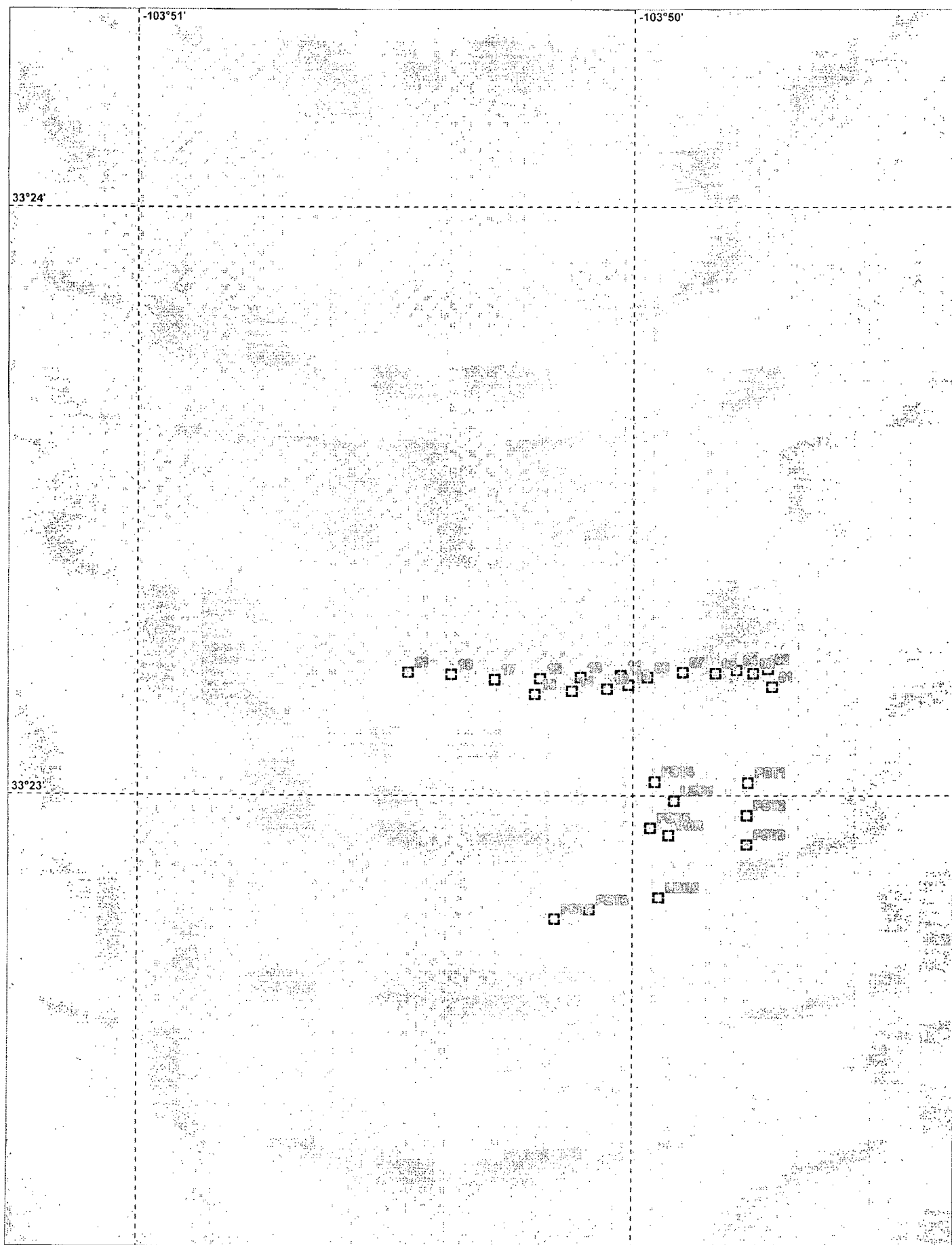
17	13:25	33° 23. 187W	Down Clayey Sand w/ Caliche 100' edge of 350m c. 2.1ms
		103°	50. 2.48W

18	N/A	under construction
----	-----	--------------------

19	13:40	33° 23'	198N	Red Sand
		33° 23'	188W	No cor.
		103° 50'	246W	Dr. 5 ft. W.
			335W	c 3' 1862.

21	13.52	330	23.203 N	for brown caliche sand m. above No 9 clay or sanding
			103° 50.422 W	

Name	Icon	Message	Latitude	Longitude	Altitude (ft)	Latitude (degrees)	Longitude (degrees)
01	Crossed Square	NMOCD CELL # 1	N33°23.183'	W103°49.718'	4219	33.38638333	-103.82863333
02	Crossed Square	NMOCD CELL # 2	N33°23.213'	W103°49.726'	4222	33.38688333	-103.82876667
03	Crossed Square	NMOCD CELL # 3	N33°23.207'	W103°49.757'	4226	33.38678333	-103.82928333
04	Crossed Square	NMOCD CELL # 4	N33°23.212'	W103°49.791'	4216	33.38686667	-103.82985000
05	Crossed Square	NMOCD CELL # 5	N33°23.207'	W103°49.834'	4216	33.38678333	-103.83056667
07	Crossed Square	NMOCD CELL # 7	N33°23.208'	W103°49.899'	4177	33.38680000	-103.83165000
09	Crossed Square	NMOCD CELL # 9	N33°23.200'	W103°49.969'	4183	33.38666667	-103.83281667
10	Crossed Square	NMOCD CELL # 10	N33°23.186'	W103°50.008'	4203	33.38643333	-103.83346667
11	Crossed Square	NMOCD CELL # 11	N33°23.202'	W103°50.023'	4190	33.38670000	-103.83371667
12	Crossed Square	NMOCD CELL # 12	N33°23.179'	W103°50.050'	4170	33.38631667	-103.83416667
13	Crossed Square	NMOCD CELL # 13	N33°23.199'	W103°50.105'	4186	33.38665000	-103.83508333
14	Crossed Square	NMOCD CELL # 14	N33°23.176'	W103°50.121'	4183	33.38626667	-103.83535000
15	Crossed Square	NMOCD CELL # 15	N33°23.197'	W103°50.186'	4167	33.38661667	-103.83643333
16	Crossed Square	NMOCD CELL # 16	N33°23.170'	W103°50.196'	4183	33.38616667	-103.83660000
17	Crossed Square	NMOCD CELL # 17	N33°23.195'	W103°50.277'	4154	33.38658333	-103.83795000
19	Crossed Square	NMOCD CELL # 19	N33°23.205'	W103°50.364'	4140	33.38675000	-103.83940000
21	Crossed Square	NMOCD CELL # 21	N33°23.209'	W103°50.452'	4144	33.38681667	-103.84086667
PST1	Crossed Square	NMED PST CELL 1	N33°23.021'	W103°49.767'	4186	33.38368333	-103.82945000
PST2	Crossed Square	NMED PST CELL 2	N33°22.966'	W103°49.770'	4209	33.38276667	-103.82950000
PST3	Crossed Square	NMED PST CELL 3	N33°22.916'	W103°49.770'	4213	33.38193333	-103.82950000
PST4	Crossed Square	NMED PST CELL 4	N33°23.023'	W103°49.956'	4193	33.38371667	-103.83260000
LBB1	Crossed Square	NMED PST CELL LBB1	N33°22.990'	W103°49.916'	4203	33.38316667	-103.83193333
PST5	Crossed Square	NMED PST CELL 5	N33°22.943'	W103°49.963'	4193	33.38238333	-103.83271667
VOR	Crossed Square	NMED PST CELL VOR	N33°22.932'	W103°49.928'	4199	33.38220000	-103.83213333
LBB2	Crossed Square	NMED PST CELL LBB2	N33°22.824'	W103°49.946'	4199	33.38040000	-103.83243333
PST6	Crossed Square	NMED PST CELL 6	N33°22.802'	W103°50.085'	4193	33.38003333	-103.83475000
PST7	Crossed Square	NMED PST CELL 7	N33°22.786'	W103°50.156'	4190	33.37976667	-103.83593333



Appendix 3



6701 Aberdeen Avenue, Suite B Lubbock, Texas 79424 800•376•1296 806•794•1296 FAX 806•794•1296
 200 East Sunset Road, Suite E El Paso, Texas 79922 886•588•3443 915•585•3443 FAX 915•585•3444
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•688•6301 FAX 432•688•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•8200
 E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

Bill Marley
 Gandy Marley Inc.
 Box 1658
 Roswell, NM, 88202

Report Date: January 29, 2009

Work Order: 9012207



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM
Project Name: GMI Landfarm
Project Number: Annual Year End Soil Sampling 2008

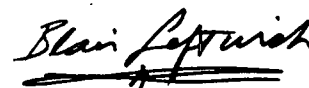
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
185503	Cell 1	soil	2009-01-20	09:55	2009-01-22
185504	Cell 2	soil	2009-01-20	10:20	2009-01-22
185505	Cell 3	soil	2009-01-20	10:35	2009-01-22
185506	Cell 4	soil	2009-01-20	10:46	2009-01-22
185507	Cell 5	soil	2009-01-20	10:58	2009-01-22
185508	Cell 7	soil	2009-01-20	11:20	2009-01-22
185509	Cell 9	soil	2009-01-20	11:35	2009-01-22
185510	Cell 10	soil	2009-01-20	11:48	2009-01-22
185511	Cell 11	soil	2009-01-20	12:00	2009-01-22
185512	Cell 12	soil	2009-01-20	12:15	2009-01-22

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
185513	Cell 13	soil	2009-01-20	12:32	2009-01-22
185514	Cell 14	soil	2009-01-20	12:50	2009-01-22
185515	Cell 15	soil	2009-01-20	13:00	2009-01-22
185516	Cell 16	soil	2009-01-20	13:10	2009-01-22
185517	Cell 17	soil	2009-01-20	13:25	2009-01-22
185518	Cell 19	soil	2009-01-20	13:40	2009-01-22
185519	Cell 21	soil	2009-01-20	13:52	2009-01-22

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

This report consists of a total of 94 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2009-01-22 and assigned to work order 9012207. Samples for work order 9012207 were received intact at a temperature of 5.0 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Alkalinity	SM 2320B	48212	2009-01-27 at 11:00	56410	2009-01-27 at 15:00
Alkalinity	SM 2320B	48216	2009-01-28 at 15:00	56411	2009-01-28 at 15:00
BTEX	S 8021B	48064	2009-01-22 at 12:23	56241	2009-01-22 at 12:23
Ca, Total	S 6010B	48151	2009-01-27 at 09:55	56415	2009-01-28 at 16:02
Chloride (IC)	E 300.0	48199	2009-01-27 at 10:00	56398	2009-01-27 at 10:11
Chloride (IC)	E 300.0	48201	2009-01-27 at 09:30	56399	2009-01-27 at 20:03
Chloride (IC)	E 300.0	48223	2009-01-28 at 14:00	56431	2009-01-28 at 14:46
Conductivity	SM 2510B	48184	2009-01-26 at 10:00	56385	2009-01-26 at 10:30
Conductivity	SM 2510B	48185	2009-01-26 at 10:00	56386	2009-01-26 at 10:30
K, Total	S 6010B	48151	2009-01-27 at 09:55	56415	2009-01-28 at 16:02
Mg, Total	S 6010B	48151	2009-01-27 at 09:55	56415	2009-01-28 at 16:02
Na, Total	S 6010B	48151	2009-01-27 at 09:55	56415	2009-01-28 at 16:02
pH	SM 4500-H+	48206	2009-01-26 at 14:00	56402	2009-01-26 at 14:00
pH	SM 4500-H+	48207	2009-01-26 at 14:00	56403	2009-01-26 at 14:00
SO4 (IC)	E 300.0	48199	2009-01-27 at 10:00	56398	2009-01-27 at 10:11
SO4 (IC)	E 300.0	48201	2009-01-27 at 09:30	56399	2009-01-27 at 20:03
SO4 (IC)	E 300.0	48223	2009-01-28 at 14:00	56431	2009-01-28 at 14:46
TCLP Ag	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Ag	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP As	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP As	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP Ba	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Ba	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP Cd	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Cd	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP Cr	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Cr	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP Hg	S 7470A	48193	2009-01-28 at 11:36	56395	2009-01-28 at 13:25
TCLP Hg	S 7470A	48193	2009-01-28 at 11:36	56397	2009-01-28 at 13:26
TCLP Pb	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Pb	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TCLP Se	S 6010B	48188	2009-01-28 at 08:05	56407	2009-01-28 at 15:25
TCLP Se	S 6010B	48188	2009-01-28 at 08:05	56416	2009-01-28 at 16:55
TPH 418.1	E 418.1	48134	2009-01-26 at 08:00	56322	2009-01-26 at 12:51

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS

and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9012207 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

Page Number: 5 of 94
Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM

Analytical Report

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		133	mg/Kg as CaCo3	1	4.00
Total Alkalinity		133	mg/Kg as CaCo3	1	4.00

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.838	mg/Kg	1	1.00	84	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.897	mg/Kg	1	1.00	90	71.7 - 123.8

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		147000	mg/Kg	100	100

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Chloride		52.2	mg/Kg	10	1.00

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		2250	uMHOS/cm	10	0.00

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Total Potassium		1190	mg/Kg	1	100

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Total Magnesium		3820	mg/Kg	1	100

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Sample: 185503 - Cell 1

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		610	mg/Kg	1	100

Sample: 185503 - Cell 1

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56402	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48206				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.67	s.u.	1	0.00

Sample: 185503 - Cell 1

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-28	Analyzed By:	ER
QC Batch:	56431	Sample Preparation:	2009-01-28	Prepared By:	ER
Prep Batch:	48223				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		765	mg/Kg	100	2.00

Sample: 185503 - Cell 1

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56395	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56407	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.63	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185503 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	1	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	1	4.00

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.902	mg/Kg	1	1.00	90	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.934	mg/Kg	1	1.00	93	71.7 - 123.8

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		16600	mg/Kg	1	100

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56431
Prep Batch: 48223

Analytical Method: E 300.0
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1510	mg/Kg	100	1.00

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		6130	uMHOS/cm	10	0.00

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Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1780	mg/Kg	1	100

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2240	mg/Kg	1	100

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		910	mg/Kg	1	100

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.72	s.u.	1	0.00

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Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		278	mg/Kg	10	2.00

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.50	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185504 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	1	4.00

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.911	mg/Kg	1	1.00	91	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.964	mg/Kg	1	1.00	96	71.7 - 123.8

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		6920	mg/Kg	1	100

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Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56431
Prep Batch: 48223

Analytical Method: E 300.0
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		848	mg/Kg	100	1.00

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3670	uMHOS/cm	10	0.00

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1630	mg/Kg	1	100

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2380	mg/Kg	1	100

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Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		538	mg/Kg	1	100

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.16	s.u.	1	0.00

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		168	mg/Kg	10	2.00

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.65	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185505 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		66.7	mg/Kg as CaCo3	1	4.00
Total Alkalinity		66.7	mg/Kg as CaCo3	1	4.00

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.852	mg/Kg	1	1.00	85	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.909	mg/Kg	1	1.00	91	71.7 - 123.8

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		125000	mg/Kg	100	100

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		186	mg/Kg	10	1.00

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3510	uMHOS/cm	10	0.00

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Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		780	mg/Kg	1	100

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1940	mg/Kg	1	100

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		569	mg/Kg	1	100

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.01	s.u.	1	0.00

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Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56431
Prep Batch: 48223

Analytical Method: E 300.0
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		1000	mg/Kg	100	2.00

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.17	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185506 - Cell 4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185507 - Cell 5

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		86.7	mg/Kg as CaCo3	1	4.00
Total Alkalinity		86.7	mg/Kg as CaCo3	1	4.00

Sample: 185507 - Cell 5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.903	mg/Kg	1	1.00	90	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.949	mg/Kg	1	1.00	95	71.7 - 123.8

Sample: 185507 - Cell 5

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		59200	mg/Kg	10	100

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Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56398	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48199				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		59.4	mg/Kg	10	1.00

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56385	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48184				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1280	uMHOS/cm	10	0.00

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1810	mg/Kg	1	100

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2900	mg/Kg	1	100

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Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		277	mg/Kg	1	100

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56402	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48206				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.43	s.u.	1	0.00

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56398	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48199				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		182	mg/Kg	10	2.00

Sample: 185507 - Cell 5

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56395	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56407	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.62	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185507 - Cell 5

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 56322

Prep Batch: 48134

Analytical Method: E 418.1

Date Analyzed: 2009-01-26

Sample Preparation: 2009-01-26

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185508 - Cell 7

Laboratory: Lubbock

Analysis: Alkalinity

QC Batch: 56410

Prep Batch: 48212

Analytical Method: SM 2320B

Date Analyzed: 2009-01-27

Sample Preparation: 2009-01-27

Prep Method: N/A

Analyzed By: KV

Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		96.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		96.0	mg/Kg as CaCo3	1	4.00

Sample: 185508 - Cell 7

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 56241

Prep Batch: 48064

Analytical Method: S 8021B

Date Analyzed: 2009-01-22

Sample Preparation: 2009-01-22

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.881	mg/Kg	1	1.00	88	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.932	mg/Kg	1	1.00	93	71.7 - 123.8

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		41400	mg/Kg	10	100

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		56.4	mg/Kg	10	1.00

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1310	uMHOS/cm	10	0.00

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Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1410	mg/Kg	1	100

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2980	mg/Kg	1	100

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		420	mg/Kg	1	100

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.57	s.u.	1	0.00

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Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		92.1	mg/Kg	10	2.00

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.05	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185508 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		30.0	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		140	mg/Kg as CaCo3	1	4.00
Total Alkalinity		170	mg/Kg as CaCo3	1	4.00

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.892	mg/Kg	1	1.00	89	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.929	mg/Kg	1	1.00	93	71.7 - 123.8

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		10200	mg/Kg	1	100

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Sample: 185509 - Cell 9

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56398	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48199				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		52.2	mg/Kg	10	1.00

Sample: 185509 - Cell 9

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56385	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48184				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1430	uMHOS/cm	10	0.00

Sample: 185509 - Cell 9

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1640	mg/Kg	1	100

Sample: 185509 - Cell 9

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2640	mg/Kg	1	100

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Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		672	mg/Kg	1	100

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.16	s.u.	1	0.00

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		99.8	mg/Kg	10	2.00

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.90	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185509 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		53.3	mg/Kg as CaCo3	1	4.00
Total Alkalinity		53.3	mg/Kg as CaCo3	1	4.00

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.921	mg/Kg	1	1.00	92	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.957	mg/Kg	1	1.00	96	71.7 - 123.8

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		5980	mg/Kg	1	100

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56431
Prep Batch: 48223

Analytical Method: E 300.0
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		724	mg/Kg	100	1.00

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3370	uMHOS/cm	10	0.00

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Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1620	mg/Kg	1	100

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2290	mg/Kg	1	100

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		674	mg/Kg	1	100

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: pH
QC Batch: 56402
Prep Batch: 48206

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.95	s.u.	1	0.00

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Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56398
Prep Batch: 48199

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		168	mg/Kg	10	2.00

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56395
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56407
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.27	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185510 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185511 - Cell 11

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		55.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		55.0	mg/Kg as CaCo3	1	4.00

Sample: 185511 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.885	mg/Kg	1	1.00	88	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.941	mg/Kg	1	1.00	94	71.7 - 123.8

Sample: 185511 - Cell 11

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		44100	mg/Kg	10	100

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Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56398	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48199				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		155	mg/Kg	10	1.00

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56385	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48184				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1840	uMHOS/cm	10	0.00

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1970	mg/Kg	1	100

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3630	mg/Kg	1	100

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Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		516	mg/Kg	1	100

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56402	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48206				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.78	s.u.	1	0.00

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56398	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48199				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		245	mg/Kg	10	2.00

Sample: 185511 - Cell 11

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56395	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56407	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.01	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185511 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56410
Prep Batch: 48212

Analytical Method: SM 2320B
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	1	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	1	4.00

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.850	mg/Kg	1	1.00	85	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.891	mg/Kg	1	1.00	89	71.7 - 123.8

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		11400	mg/Kg	1	100

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		433	mg/Kg	10	1.00

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56385
Prep Batch: 48184

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3060	uMHOS/cm	10	0.00

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Sample: 185512 - Cell 12

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1310	mg/Kg	1	100

Sample: 185512 - Cell 12

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1970	mg/Kg	1	100

Sample: 185512 - Cell 12

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		583	mg/Kg	1	100

Sample: 185512 - Cell 12

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56402	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48206				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.25	s.u.	1	0.00

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Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		305	mg/Kg	10	2.00

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56397
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56416
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.32	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185512 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56411
Prep Batch: 48216

Analytical Method: SM 2320B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		54.3	mg/Kg as CaCo3	1	4.00
Total Alkalinity		54.3	mg/Kg as CaCo3	1	4.00

Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.893	mg/Kg	1	1.00	89	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.946	mg/Kg	1	1.00	94	71.7 - 123.8

Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		30700	mg/Kg	1	100

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Sample: 185513 - Cell 13

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		326	mg/Kg	10	1.00

Sample: 185513 - Cell 13

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56386	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48185				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2010	uMHOS/cm	10	0.00

Sample: 185513 - Cell 13

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1790	mg/Kg	1	100

Sample: 185513 - Cell 13

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2880	mg/Kg	1	100

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Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		262	mg/Kg	1	100

Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: pH
QC Batch: 56403
Prep Batch: 48207

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.39	s.u.	1	0.00

Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		77.7	mg/Kg	10	2.00

Sample: 185513 - Cell 13

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56397
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56416
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.86	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185513 - Cell 13

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 56322

Prep Batch: 48134

Analytical Method: E 418.1

Date Analyzed: 2009-01-26

Sample Preparation: 2009-01-26

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185514 - Cell 14

Laboratory: Lubbock

Analysis: Alkalinity

QC Batch: 56411

Prep Batch: 48216

Analytical Method: SM 2320B

Date Analyzed: 2009-01-28

Sample Preparation: 2009-01-28

Prep Method: N/A

Analyzed By: KV

Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		16.0	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		132	mg/Kg as CaCo3	1	4.00
Total Alkalinity		148	mg/Kg as CaCo3	1	4.00

Sample: 185514 - Cell 14

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 56241

Prep Batch: 48064

Analytical Method: S 8021B

Date Analyzed: 2009-01-22

Sample Preparation: 2009-01-22

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	88	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.903	mg/Kg	1	1.00	90	71.7 - 123.8

Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		113000	mg/Kg	100	100

Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		282	mg/Kg	10	1.00

Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56386
Prep Batch: 48185

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3360	uMHOS/cm	10	0.00

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Sample: 185514 - Cell 14

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		740	mg/Kg	1	100

Sample: 185514 - Cell 14

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2310	mg/Kg	1	100

Sample: 185514 - Cell 14

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1010	mg/Kg	1	100

Sample: 185514 - Cell 14

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56403	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48207				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.82	s.u.	1	0.00

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Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		477	mg/Kg	10	2.00

Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56397
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56416
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.71	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185514 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185515 - Cell 15

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56411
Prep Batch: 48216

Analytical Method: SM 2320B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		48.6	mg/Kg as CaCo3	1	4.00
Total Alkalinity		48.6	mg/Kg as CaCo3	1	4.00

Sample: 185515 - Cell 15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.845	mg/Kg	1	1.00	84	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.901	mg/Kg	1	1.00	90	71.7 - 123.8

Sample: 185515 - Cell 15

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		5250	mg/Kg	1	100

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Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		273	mg/Kg	10	1.00

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56386	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48185				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2150	uMHOS/cm	10	0.00

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1320	mg/Kg	1	100

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1300	mg/Kg	1	100

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Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		434	mg/Kg	1	100

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56403	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48207				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.35	s.u.	1	0.00

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		259	mg/Kg	10	2.00

Sample: 185515 - Cell 15

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56397	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56416	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.69	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185515 - Cell 15

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 56322

Prep Batch: 48134

Analytical Method: E 418.1

Date Analyzed: 2009-01-26

Sample Preparation: 2009-01-26

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		16.2	mg/Kg	1	10.0

Sample: 185516 - Cell 16

Laboratory: Lubbock

Analysis: Alkalinity

QC Batch: 56411

Prep Batch: 48216

Analytical Method: SM 2320B

Date Analyzed: 2009-01-28

Sample Preparation: 2009-01-28

Prep Method: N/A

Analyzed By: KV

Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		100	mg/Kg as CaCo3	1	4.00
Total Alkalinity		100	mg/Kg as CaCo3	1	4.00

Sample: 185516 - Cell 16

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 56241

Prep Batch: 48064

Analytical Method: S 8021B

Date Analyzed: 2009-01-22

Sample Preparation: 2009-01-22

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.904	mg/Kg	1	1.00	90	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.891	mg/Kg	1	1.00	89	71.7 - 123.8

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		81100	mg/Kg	10	100

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		86.8	mg/Kg	10	1.00

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56386
Prep Batch: 48185

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1020	uMHOS/cm	10	0.00

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Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		742	mg/Kg	1	100

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2900	mg/Kg	1	100

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		256	mg/Kg	1	100

Sample: 185516 - Cell 16

Laboratory: Lubbock
Analysis: pH
QC Batch: 56403
Prep Batch: 48207

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.69	s.u.	1	0.00

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Sample: 185516 - Cell 16

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		55.9	mg/Kg	10	2.00

Sample: 185516 - Cell 16

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56397	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56416	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.86	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185516 - Cell 16

Laboratory:	Lubbock	Analytical Method:	E 418.1	Prep Method:	N/A
Analysis:	TPH 418.1	Date Analyzed:	2009-01-26	Analyzed By:	CM
QC Batch:	56322	Sample Preparation:	2009-01-26	Prepared By:	CM
Prep Batch:	48134				

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185517 - Cell 17

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56411
Prep Batch: 48216

Analytical Method: SM 2320B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		76.7	mg/Kg as CaCo3	1	4.00
Total Alkalinity		76.7	mg/Kg as CaCo3	1	4.00

Sample: 185517 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.911	mg/Kg	1	1.00	91	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.902	mg/Kg	1	1.00	90	71.7 - 123.8

Sample: 185517 - Cell 17

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		84600	mg/Kg	10	100

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Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		330	mg/Kg	10	1.00

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56386	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48185				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1880	uMHOS/cm	10	0.00

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		940	mg/Kg	1	100

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2230	mg/Kg	1	100

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Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		290	mg/Kg	1	100

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2009-01-26	Analyzed By:	KV
QC Batch:	56403	Sample Preparation:	2009-01-26	Prepared By:	KV
Prep Batch:	48207				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.27	s.u.	1	0.00

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		48.2	mg/Kg	10	2.00

Sample: 185517 - Cell 17

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	TP
QC Batch:	56397	TCLP Extraction:	2009-01-27	Prepared By:	TP
Prep Batch:	48193	Sample Preparation:	2009-01-28	Prepared By:	TP

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56416	TCLP Extraction:	2009-01-27	Prepared By:	KV
Prep Batch:	48188	Sample Preparation:	2009-01-28	Prepared By:	KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.74	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185517 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56411
Prep Batch: 48216

Analytical Method: SM 2320B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		60.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		60.0	mg/Kg as CaCo3	1	4.00

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.915	mg/Kg	1	1.00	92	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.983	mg/Kg	1	1.00	98	71.7 - 123.8

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		2510	mg/Kg	1	100

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		187	mg/Kg	10	1.00

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 56386
Prep Batch: 48185

Analytical Method: SM 2510B
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1870	uMHOS/cm	10	0.00

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Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1350	mg/Kg	1	100

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1280	mg/Kg	1	100

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		509	mg/Kg	1	100

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: pH
QC Batch: 56403
Prep Batch: 48207

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.40	s.u.	1	0.00

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Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		178	mg/Kg	10	2.00

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56397
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56416
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.56	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185518 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 56322
Prep Batch: 48134

Analytical Method: E 418.1
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 56411
Prep Batch: 48216

Analytical Method: SM 2320B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-28

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		76.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		76.0	mg/Kg as CaCo3	1	4.00

Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 56241
Prep Batch: 48064

Analytical Method: S 8021B
Date Analyzed: 2009-01-22
Sample Preparation: 2009-01-22

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.841	mg/Kg	1	1.00	84	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.895	mg/Kg	1	1.00	90	71.7 - 123.8

Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		47100	mg/Kg	10	100

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Sample: 185519 - Cell 21

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2009-01-27	Analyzed By:	ER
QC Batch:	56399	Sample Preparation:	2009-01-27	Prepared By:	ER
Prep Batch:	48201				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		207	mg/Kg	10	1.00

Sample: 185519 - Cell 21

Laboratory:	Lubbock	Analytical Method:	SM 2510B	Prep Method:	N/A
Analysis:	Conductivity	Date Analyzed:	2009-01-26	Analyzed By:	ER
QC Batch:	56386	Sample Preparation:	2009-01-26	Prepared By:	ER
Prep Batch:	48185				

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2080	uMHOS/cm	10	0.00

Sample: 185519 - Cell 21

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	K, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2000	mg/Kg	1	100

Sample: 185519 - Cell 21

Laboratory:	Lubbock	Analytical Method:	S 6010B	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2009-01-28	Analyzed By:	RR
QC Batch:	56415	Sample Preparation:	2009-01-27	Prepared By:	KV
Prep Batch:	48151				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3730	mg/Kg	1	100

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Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 56415
Prep Batch: 48151

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
Sample Preparation: 2009-01-27

Prep Method: S 3050B
Analyzed By: RR
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		344	mg/Kg	1	100

Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: pH
QC Batch: 56403
Prep Batch: 48207

Analytical Method: SM 4500-H+
Date Analyzed: 2009-01-26
Sample Preparation: 2009-01-26

Prep Method: N/A
Analyzed By: KV
Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.06	s.u.	1	0.00

Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 56399
Prep Batch: 48201

Analytical Method: E 300.0
Date Analyzed: 2009-01-27
Sample Preparation: 2009-01-27

Prep Method: N/A
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		274	mg/Kg	10	2.00

Sample: 185519 - Cell 21

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56397
Prep Batch: 48193

Analytical Method: S 7470A
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: TP
Prepared By: TP
Prepared By: TP

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 56416
Prep Batch: 48188

Analytical Method: S 6010B
Date Analyzed: 2009-01-28
TCLP Extraction: 2009-01-27
Sample Preparation: 2009-01-28

Prep Method: TCLP 1311
Analyzed By: RR
Prepared By: KV
Prepared By: KV

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Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.79	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.00500	mg/L	1	0.00500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 185519 - Cell 21

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 56322

Prep Batch: 48134

Analytical Method: E 418.1

Date Analyzed: 2009-01-26

Sample Preparation: 2009-01-26

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Method Blank (1) QC Batch: 56241

QC Batch: 56241

Prep Batch: 48064

Date Analyzed: 2009-01-22

QC Preparation: 2009-01-22

Analyzed By: MT

Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00193	mg/Kg	0.01
Toluene		<0.00268	mg/Kg	0.01
Ethylbenzene		<0.00488	mg/Kg	0.01
Xylene		<0.00432	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.812	mg/Kg	1	1.00	81	68 - 107.9
4-Bromofluorobenzene (4-BFB)		0.888	mg/Kg	1	1.00	89	57.9 - 114.6

Method Blank (1) QC Batch: 56322

QC Batch: 56322

Prep Batch: 48134

Date Analyzed: 2009-01-26

QC Preparation: 2009-01-26

Analyzed By: CM

Prepared By: CM

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Parameter	Flag	MDL Result	Units	RL
TRPHC		<5.28	mg/Kg	10

Method Blank (1) QC Batch: 56385

QC Batch: 56385 Date Analyzed: 2009-01-26 Analyzed By: ER
Prep Batch: 48184 QC Preparation: 2009-01-26 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.670	uMHOS/cm	

Method Blank (1) QC Batch: 56386

QC Batch: 56386 Date Analyzed: 2009-01-26 Analyzed By: ER
Prep Batch: 48185 QC Preparation: 2009-01-26 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.670	uMHOS/cm	

Method Blank (1) QC Batch: 56395

QC Batch: 56395 Date Analyzed: 2009-01-28 Analyzed By: TP
Prep Batch: 48193 QC Preparation: 2009-01-28 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000299	mg/L	0.005

Method Blank (1) QC Batch: 56397

QC Batch: 56397 Date Analyzed: 2009-01-28 Analyzed By: TP
Prep Batch: 48193 QC Preparation: 2009-01-28 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000299	mg/L	0.005

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Method Blank (1) QC Batch: 56398

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.353	mg/Kg	1

Method Blank (1) QC Batch: 56398

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.399	mg/Kg	2

Method Blank (1) QC Batch: 56399

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.353	mg/Kg	1

Method Blank (1) QC Batch: 56399

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.399	mg/Kg	2

Method Blank (1) QC Batch: 56407

QC Batch: 56407
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

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Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0212	mg/L	0.125
TCLP Arsenic		<0.0425	mg/L	0.1
TCLP Barium		<0.0167	mg/L	0.1
TCLP Cadmium		<0.0135	mg/L	0.05
TCLP Chromium		<0.00940	mg/L	0.1
TCLP Lead		<0.0317	mg/L	0.1
TCLP Selenium		<0.131	mg/L	0.5

Method Blank (1) QC Batch: 56410

QC Batch: 56410
Prep Batch: 48212

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: KV
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 56411

QC Batch: 56411
Prep Batch: 48216

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: KV
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 56415

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<17.5	mg/Kg	100

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Method Blank (1) QC Batch: 56415

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<32.7	mg/Kg	100

Method Blank (1) QC Batch: 56415

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<14.8	mg/Kg	100

Method Blank (1) QC Batch: 56415

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<24.4	mg/Kg	100

Method Blank (1) QC Batch: 56416

QC Batch: 56416
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0212	mg/L	0.125
TCLP Arsenic		<0.0425	mg/L	0.1
TCLP Barium		<0.0167	mg/L	0.1
TCLP Cadmium		<0.0135	mg/L	0.05
TCLP Chromium		<0.00940	mg/L	0.1
TCLP Lead		<0.0317	mg/L	0.1
TCLP Selenium		<0.131	mg/L	0.5

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Method Blank (1) QC Batch: 56431

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.353	mg/Kg	1

Method Blank (1) QC Batch: 56431

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.399	mg/Kg	2

Duplicates (1) Duplicated Sample: 185512

QC Batch: 56385
Prep Batch: 48184

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: ER
Prepared By: ER

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	2980	3060	uMHOS/cm	10	3	20

Duplicates (1) Duplicated Sample: 185519

QC Batch: 56386
Prep Batch: 48185

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: ER
Prepared By: ER

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	2070	2080	uMHOS/cm	10	0	20

Duplicates (1) Duplicated Sample: 185512

QC Batch: 56402
Prep Batch: 48206

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: KV
Prepared By: KV

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Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.33	8.25	s.u.	1	1	20

Duplicates (1) Duplicated Sample: 185519

QC Batch: 56403
Prep Batch: 48207

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: KV
Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.94	8.06	s.u.	1	2	20

Duplicates (1) Duplicated Sample: 185512

QC Batch: 56410
Prep Batch: 48212

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: KV
Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	70.0	76.7	mg/Kg as CaCo3	1	9	20
Total Alkalinity	70.0	76.7	mg/Kg as CaCo3	1	9	20

Duplicates (1) Duplicated Sample: 185519

QC Batch: 56411
Prep Batch: 48216

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: KV
Prepared By: KV

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	72.0	76.0	mg/Kg as CaCo3	1	5	20
Total Alkalinity	72.0	76.0	mg/Kg as CaCo3	1	5	20

Laboratory Control Spike (LCS-1)

QC Batch: 56241
Prep Batch: 48064

Date Analyzed: 2009-01-22
QC Preparation: 2009-01-22

Analyzed By: MT
Prepared By: MT

Report Date: January 29, 2009
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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.935	mg/Kg	1	1.00	<0.00193	94	81.9 - 106.8
Toluene	0.935	mg/Kg	1	1.00	<0.00268	94	82.4 - 106.6
Ethylbenzene	0.931	mg/Kg	1	1.00	<0.00488	93	82.4 - 106.9
Xylene	2.77	mg/Kg	1	3.00	<0.00432	92	81.3 - 108.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.946	mg/Kg	1	1.00	<0.00193	95	81.9 - 106.8	1	20
Toluene	0.946	mg/Kg	1	1.00	<0.00268	95	82.4 - 106.6	1	20
Ethylbenzene	0.944	mg/Kg	1	1.00	<0.00488	94	82.4 - 106.9	1	20
Xylene	2.81	mg/Kg	1	3.00	<0.00432	94	81.3 - 108.4	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.842	0.816	mg/Kg	1	1.00	84	82	79.1 - 116.9
4-Bromofluorobenzene (4-BFB)	0.876	0.864	mg/Kg	1	1.00	88	86	78.3 - 123.5

Laboratory Control Spike (LCS-1)

QC Batch: 56322
Prep Batch: 48134

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	252	mg/Kg	1	250	<5.28	101	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	261	mg/Kg	1	250	<5.28	104	75.5 - 136	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56395
Prep Batch: 48193

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0492	mg/L	1	0.0500	<0.000299	98	89.2 - 113

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Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0488	mg/L	1	0.0500	<0.000299	98	89.2 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56397
Prep Batch: 48193

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0492	mg/L	1	0.0500	<0.000299	98	89.2 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0488	mg/L	1	0.0500	<0.000299	98	89.2 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/Kg	1	12.5	<0.353	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.2	mg/Kg	1	12.5	<0.353	98	90 - 110	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.5	mg/Kg	1	12.5	<0.399	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.6	mg/Kg	1	12.5	<0.399	101	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/Kg	1	12.5	<0.353	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.6	mg/Kg	1	12.5	<0.353	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.7	mg/Kg	1	12.5	<0.399	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.6	mg/Kg	1	12.5	<0.399	101	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56407
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.21	mg/L	1	1.25	<0.0212	97	85 - 115
TCLP Arsenic	4.90	mg/L	1	5.00	<0.0425	98	85 - 115
TCLP Barium	9.69	mg/L	1	10.0	<0.0167	97	85 - 115
TCLP Cadmium	2.43	mg/L	1	2.50	<0.0135	97	85 - 115
TCLP Chromium	0.888	mg/L	1	1.00	<0.00940	89	85 - 115
TCLP Lead	5.03	mg/L	1	5.00	<0.0317	101	85 - 115
TCLP Selenium	4.70	mg/L	1	5.00	<0.131	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0212	95	85 - 115	2	20
TCLP Arsenic	4.73	mg/L	1	5.00	<0.0425	95	85 - 115	4	20
TCLP Barium	9.49	mg/L	1	10.0	<0.0167	95	85 - 115	2	20
TCLP Cadmium	2.38	mg/L	1	2.50	<0.0135	95	85 - 115	2	20
TCLP Chromium	0.868	mg/L	1	1.00	<0.00940	87	85 - 115	2	20
TCLP Lead	4.93	mg/L	1	5.00	<0.0317	99	85 - 115	2	20
TCLP Selenium	4.61	mg/L	1	5.00	<0.131	92	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	4660	mg/Kg	1	5000	<17.5	93	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	4750	mg/Kg	1	5000	<17.5	95	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

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control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	4570	mg/Kg	1	5000	<32.7	91	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	4680	mg/Kg	1	5000	<32.7	94	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	4580	mg/Kg	1	5000	<14.8	92	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	4660	mg/Kg	1	5000	<14.8	93	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4820	mg/Kg	1	5000	<24.4	96	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	4920	mg/Kg	1	5000	<24.4	98	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Laboratory Control Spike (LCS-1)

QC Batch: 56416
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.21	mg/L	1	1.25	<0.0212	97	85 - 115
TCLP Arsenic	4.90	mg/L	1	5.00	<0.0425	98	85 - 115
TCLP Barium	9.69	mg/L	1	10.0	<0.0167	97	85 - 115
TCLP Cadmium	2.43	mg/L	1	2.50	<0.0135	97	85 - 115
TCLP Chromium	0.888	mg/L	1	1.00	<0.00940	89	85 - 115
TCLP Lead	5.03	mg/L	1	5.00	<0.0317	101	85 - 115
TCLP Selenium	4.70	mg/L	1	5.00	<0.131	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0212	95	85 - 115	2	20
TCLP Arsenic	4.73	mg/L	1	5.00	<0.0425	95	85 - 115	4	20
TCLP Barium	9.49	mg/L	1	10.0	<0.0167	95	85 - 115	2	20
TCLP Cadmium	2.38	mg/L	1	2.50	<0.0135	95	85 - 115	2	20
TCLP Chromium	0.868	mg/L	1	1.00	<0.00940	87	85 - 115	2	20
TCLP Lead	4.93	mg/L	1	5.00	<0.0317	99	85 - 115	2	20
TCLP Selenium	4.61	mg/L	1	5.00	<0.131	92	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.7	mg/Kg	1	12.5	<0.353	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.7	mg/Kg	1	12.5	<0.353	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Laboratory Control Spike (LCS-1)

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.8	mg/Kg	1	12.5	<0.399	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.9	mg/Kg	1	12.5	<0.399	103	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56241
Prep Batch: 48064

Date Analyzed: 2009-01-22
QC Preparation: 2009-01-22

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.16	mg/Kg	1	1.00	<0.00193	116	38.9 - 123.1
Toluene	1.22	mg/Kg	1	1.00	<0.00268	122	46.7 - 124.7
Ethylbenzene	1.26	mg/Kg	1	1.00	<0.00488	126	47.6 - 133.5
Xylene	3.81	mg/Kg	1	3.00	<0.00432	127	43 - 141.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.21	mg/Kg	1	1.00	<0.00193	121	38.9 - 123.1	4	20
Toluene	1.27	mg/Kg	1	1.00	<0.00268	127	46.7 - 124.7	4	20
Ethylbenzene	1.31	mg/Kg	1	1.00	<0.00488	131	47.6 - 133.5	4	20
Xylene	3.94	mg/Kg	1	3.00	<0.00432	131	43 - 141.4	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.940	0.917	mg/Kg	1	1	94	92	80.1 - 122.4
4-Bromofluorobenzene (4-BFB)	0.985	0.954	mg/Kg	1	1	98	95	77.4 - 138.2

¹MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

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Matrix Spike (MS-1) Spiked Sample: 185514

QC Batch: 56322
Prep Batch: 48134

Date Analyzed: 2009-01-26
QC Preparation: 2009-01-26

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	254	mg/Kg	1	250	<5.28	102	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	258	mg/Kg	1	250	<5.28	103	10 - 354	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56395
Prep Batch: 48193

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0492	mg/L	1	0.0500	<0.000299	98	92 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0489	mg/L	1	0.0500	<0.000299	98	92 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185512

QC Batch: 56397
Prep Batch: 48193

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0498	mg/L	1	0.0500	<0.000299	100	92 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Mercury	0.0504	mg/L	1	0.0500	<0.000299	101	92 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Matrix Spike (MS-1) Spiked Sample: 185511

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	² 742	mg/Kg	10	125	660.98	65	68.7 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	³ 741	mg/Kg	10	125	660.98	64	68.7 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185511

QC Batch: 56398
Prep Batch: 48199

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	295	mg/Kg	10	125	168.238	101	74.4 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	294	mg/Kg	10	125	168.238	101	74.4 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185519

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	320	mg/Kg	10	125	207	90	68.7 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

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Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	317	mg/Kg	10	125	207	88	68.7 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185519

QC Batch: 56399
Prep Batch: 48201

Date Analyzed: 2009-01-27
QC Preparation: 2009-01-27

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	400	mg/Kg	10	125	274	101	74.4 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	393	mg/Kg	10	125	274	95	74.4 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185432

QC Batch: 56407
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.20	mg/L	1	1.25	<0.0212	96	75 - 125
TCLP Arsenic	4.82	mg/L	1	5.00	<0.0425	96	75 - 125
TCLP Barium	10.2	mg/L	1	10.0	<0.0167	102	75 - 125
TCLP Cadmium	2.40	mg/L	1	2.50	<0.0135	96	75 - 125
TCLP Chromium	0.868	mg/L	1	1.00	<0.00940	87	75 - 125
TCLP Lead	5.00	mg/L	1	5.00	<0.0317	100	75 - 125
TCLP Selenium	4.58	mg/L	1	5.00	<0.131	92	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.0212	95	75 - 125	1	20
TCLP Arsenic	4.75	mg/L	1	5.00	<0.0425	95	75 - 125	2	20
TCLP Barium	10.1	mg/L	1	10.0	<0.0167	101	75 - 125	1	20
TCLP Cadmium	2.37	mg/L	1	2.50	<0.0135	95	75 - 125	1	20
TCLP Chromium	0.859	mg/L	1	1.00	<0.00940	86	75 - 125	1	20
TCLP Lead	4.95	mg/L	1	5.00	<0.0317	99	75 - 125	1	20

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matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Selenium	4.59	mg/L	1	5.00	<0.131	92	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	153000	mg/Kg	1	5000	147000	120	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	152000	mg/Kg	1	5000	147000	100	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5700	mg/Kg	1	5000	1190	90	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	5510	mg/Kg	1	5000	1190	86	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	7900	mg/Kg	1	5000	3820	82	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	7660	mg/Kg	1	5000	3820	77	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185503

QC Batch: 56415
Prep Batch: 48151

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-27

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5260	mg/Kg	1	5000	610	93	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	5040	mg/Kg	1	5000	610	89	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185512

QC Batch: 56416
Prep Batch: 48188

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.21	mg/L	1	1.25	<0.0212	97	75 - 125
TCLP Arsenic	4.85	mg/L	1	5.00	<0.0425	97	75 - 125
TCLP Barium	11.4	mg/L	1	10.0	1.32	101	75 - 125
TCLP Cadmium	2.37	mg/L	1	2.50	<0.0135	95	75 - 125
TCLP Chromium	0.867	mg/L	1	1.00	<0.00940	87	75 - 125
TCLP Lead	4.92	mg/L	1	5.00	<0.0317	98	75 - 125
TCLP Selenium	4.62	mg/L	1	5.00	<0.131	92	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Silver	1.20	mg/L	1	1.25	<0.0212	96	75 - 125	1	20

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matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Arsenic	4.75	mg/L	1	5.00	<0.0425	95	75 - 125	2	20
TCLP Barium	11.2	mg/L	1	10.0	1.32	99	75 - 125	2	20
TCLP Cadmium	2.35	mg/L	1	2.50	<0.0135	94	75 - 125	1	20
TCLP Chromium	0.858	mg/L	1	1.00	<0.00940	86	75 - 125	1	20
TCLP Lead	5.02	mg/L	1	5.00	<0.0317	100	75 - 125	2	20
TCLP Selenium	4.53	mg/L	1	5.00	<0.131	91	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185506

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1450	mg/Kg	100	1250	279.046	94	68.7 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1440	mg/Kg	100	1250	279.046	93	68.7 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 185506

QC Batch: 56431
Prep Batch: 48223

Date Analyzed: 2009-01-28
QC Preparation: 2009-01-28

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	2290	mg/Kg	100	1250	1000	103	74.4 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	2280	mg/Kg	100	1250	1000	102	74.4 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 56241

Date Analyzed: 2009-01-22

Analyzed By: MT

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0985	98	80 - 120	2009-01-22
Toluene		mg/Kg	0.100	0.0997	100	80 - 120	2009-01-22
Ethylbenzene		mg/Kg	0.100	0.101	101	80 - 120	2009-01-22
Xylene		mg/Kg	0.300	0.299	100	80 - 120	2009-01-22

Standard (CCV-2)

QC Batch: 56241

Date Analyzed: 2009-01-22

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0957	96	80 - 120	2009-01-22
Toluene		mg/Kg	0.100	0.0956	96	80 - 120	2009-01-22
Ethylbenzene		mg/Kg	0.100	0.0936	94	80 - 120	2009-01-22
Xylene		mg/Kg	0.300	0.279	93	80 - 120	2009-01-22

Standard (CCV-3)

QC Batch: 56241

Date Analyzed: 2009-01-22

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.100	100	80 - 120	2009-01-22
Toluene		mg/Kg	0.100	0.0995	100	80 - 120	2009-01-22
Ethylbenzene		mg/Kg	0.100	0.0973	97	80 - 120	2009-01-22
Xylene		mg/Kg	0.300	0.289	96	80 - 120	2009-01-22

Standard (ICV-1)

QC Batch: 56322

Date Analyzed: 2009-01-26

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	103	103	80 - 120	2009-01-26

Standard (CCV-1)

QC Batch: 56322

Date Analyzed: 2009-01-26

Analyzed By: CM

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	102	102	80 - 120	2009-01-26

Standard (CCV-2)

QC Batch: 56322

Date Analyzed: 2009-01-26

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	103	103	80 - 120	2009-01-26

Standard (CCV-3)

QC Batch: 56322

Date Analyzed: 2009-01-26

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	104	104	80 - 120	2009-01-26

Standard (ICV-1)

QC Batch: 56385

Date Analyzed: 2009-01-26

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1460	104	90 - 110	2009-01-26

Standard (CCV-1)

QC Batch: 56385

Date Analyzed: 2009-01-26

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1520	108	90 - 110	2009-01-26

Standard (ICV-1)

QC Batch: 56386

Date Analyzed: 2009-01-26

Analyzed By: ER

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1460	104	90 - 110	2009-01-26

Standard (CCV-1)

QC Batch: 56386

Date Analyzed: 2009-01-26

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1520	108	90 - 110	2009-01-26

Standard (ICV-1)

QC Batch: 56395

Date Analyzed: 2009-01-28

Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00491	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56395

Date Analyzed: 2009-01-28

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00504	101	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56397

Date Analyzed: 2009-01-28

Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00491	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56397

Date Analyzed: 2009-01-28

Analyzed By: TP

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00490	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56398

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.7	94	90 - 110	2009-01-27

Standard (CCV-1)

QC Batch: 56398

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.6	101	90 - 110	2009-01-27

Standard (CCV-2)

QC Batch: 56398

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.2	98	90 - 110	2009-01-27

Standard (CCV-2)

QC Batch: 56398

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.5	100	90 - 110	2009-01-27

Standard (CCV-1)

QC Batch: 56399

Date Analyzed: 2009-01-27

Analyzed By: ER

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.2	98	90 - 110	2009-01-27

Standard (CCV-1)

QC Batch: 56399

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.5	100	90 - 110	2009-01-27

Standard (CCV-2)

QC Batch: 56399

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.5	92	90 - 110	2009-01-27

Standard (CCV-2)

QC Batch: 56399

Date Analyzed: 2009-01-27

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.4	99	90 - 110	2009-01-27

Standard (ICV-1)

QC Batch: 56402

Date Analyzed: 2009-01-26

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2009-01-26

Standard (CCV-1)

QC Batch: 56402

Date Analyzed: 2009-01-26

Analyzed By: KV

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98 - 102	2009-01-26

Standard (ICV-1)

QC Batch: 56403

Date Analyzed: 2009-01-26

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98 - 102	2009-01-26

Standard (CCV-1)

QC Batch: 56403

Date Analyzed: 2009-01-26

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.05	101	98 - 102	2009-01-26

Standard (ICV-1)

QC Batch: 56407

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.119	95	90 - 110	2009-01-28
TCLP Arsenic		mg/L	1.00	0.972	97	90 - 110	2009-01-28
TCLP Barium		mg/L	1.00	0.976	98	90 - 110	2009-01-28
TCLP Cadmium		mg/L	1.00	0.969	97	90 - 110	2009-01-28
TCLP Chromium		mg/L	1.00	1.00	100	90 - 110	2009-01-28
TCLP Lead		mg/L	1.00	0.987	99	90 - 110	2009-01-28
TCLP Selenium		mg/L	1.00	0.978	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56407

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.124	99	90 - 110	2009-01-28
TCLP Arsenic		mg/L	1.00	0.986	99	90 - 110	2009-01-28
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2009-01-28
TCLP Cadmium		mg/L	1.00	0.975	98	90 - 110	2009-01-28
TCLP Chromium		mg/L	1.00	1.02	102	90 - 110	2009-01-28
TCLP Lead		mg/L	1.00	0.998	100	90 - 110	2009-01-28
TCLP Selenium		mg/L	1.00	0.964	96	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56410

Date Analyzed: 2009-01-27

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	252	101	95 - 105	2009-01-27

Standard (CCV-1)

QC Batch: 56410

Date Analyzed: 2009-01-27

Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	248	99	95 - 105	2009-01-27

Standard (ICV-1)

QC Batch: 56411

Date Analyzed: 2009-01-28

Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	248	99	95 - 105	2009-01-28

Standard (CCV-1)

QC Batch: 56411

Date Analyzed: 2009-01-28

Analyzed By: KV

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	244	98	95 - 105	2009-01-28

Standard (ICV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	50.2	100	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	49.3	99	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	50.1	100	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	49.8	100	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

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GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	50.0	51.2	102	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	50.0	49.5	99	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	50.0	50.4	101	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56415

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	51.2	102	90 - 110	2009-01-28

Standard (ICV-1)

QC Batch: 56416

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.119	95	90 - 110	2009-01-28
TCLP Arsenic		mg/L	1.00	0.972	97	90 - 110	2009-01-28
TCLP Barium		mg/L	1.00	0.976	98	90 - 110	2009-01-28
TCLP Cadmium		mg/L	1.00	0.969	97	90 - 110	2009-01-28
TCLP Chromium		mg/L	1.00	1.00	100	90 - 110	2009-01-28
TCLP Lead		mg/L	1.00	0.987	99	90 - 110	2009-01-28

continued ...

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Selenium		mg/L	1.00	0.978	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56416

Date Analyzed: 2009-01-28

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2009-01-28
TCLP Arsenic		mg/L	1.00	0.985	98	90 - 110	2009-01-28
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2009-01-28
TCLP Cadmium		mg/L	1.00	0.977	98	90 - 110	2009-01-28
TCLP Chromium		mg/L	1.00	1.03	103	90 - 110	2009-01-28
TCLP Lead		mg/L	1.00	1.00	100	90 - 110	2009-01-28
TCLP Selenium		mg/L	1.00	0.977	98	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56431

Date Analyzed: 2009-01-28

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.8	94	90 - 110	2009-01-28

Standard (CCV-1)

QC Batch: 56431

Date Analyzed: 2009-01-28

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	13.0	104	90 - 110	2009-01-28

Standard (CCV-2)

QC Batch: 56431

Date Analyzed: 2009-01-28

Analyzed By: ER

Report Date: January 29, 2009
Annual Year End Soil Sampling 2008

Work Order: 9012207
GMI Landfarm

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.6	93	90 - 110	2009-01-28

Standard (CCV-2)

QC Batch: 56431

Date Analyzed: 2009-01-28

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.8	102	90 - 110	2009-01-28

NM1-19

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019

Report Date: November 28, 2008

Page 1

RECEIVED

2008 DEC 8 PM 4 07

November 28, 2008
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Submittal of Third Quarterly Monitoring Report for Year 2008
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Larry Gandy, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

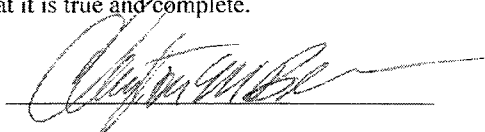
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **November 28, 2008**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/08

Date:

11/28/2008

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the third quarter of monitoring year 2008 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

Third quarter 2008 sampling / monitoring was performed on October 3, 2008. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0100 PPM BTEX, and TPH concentrations (≤ 50.8 PPM TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

A Heron interface probe was lowered down to total depth of the PVC piping of the leak detection in evaporation pond # 1. No fluids or leaks were detected by the interface probe.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.01 PPM, and TPH Concentrations ≤ 311 PPM.

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Satellite Image / Topographic Map with sample locations plotted		X

LIST OF TABLES

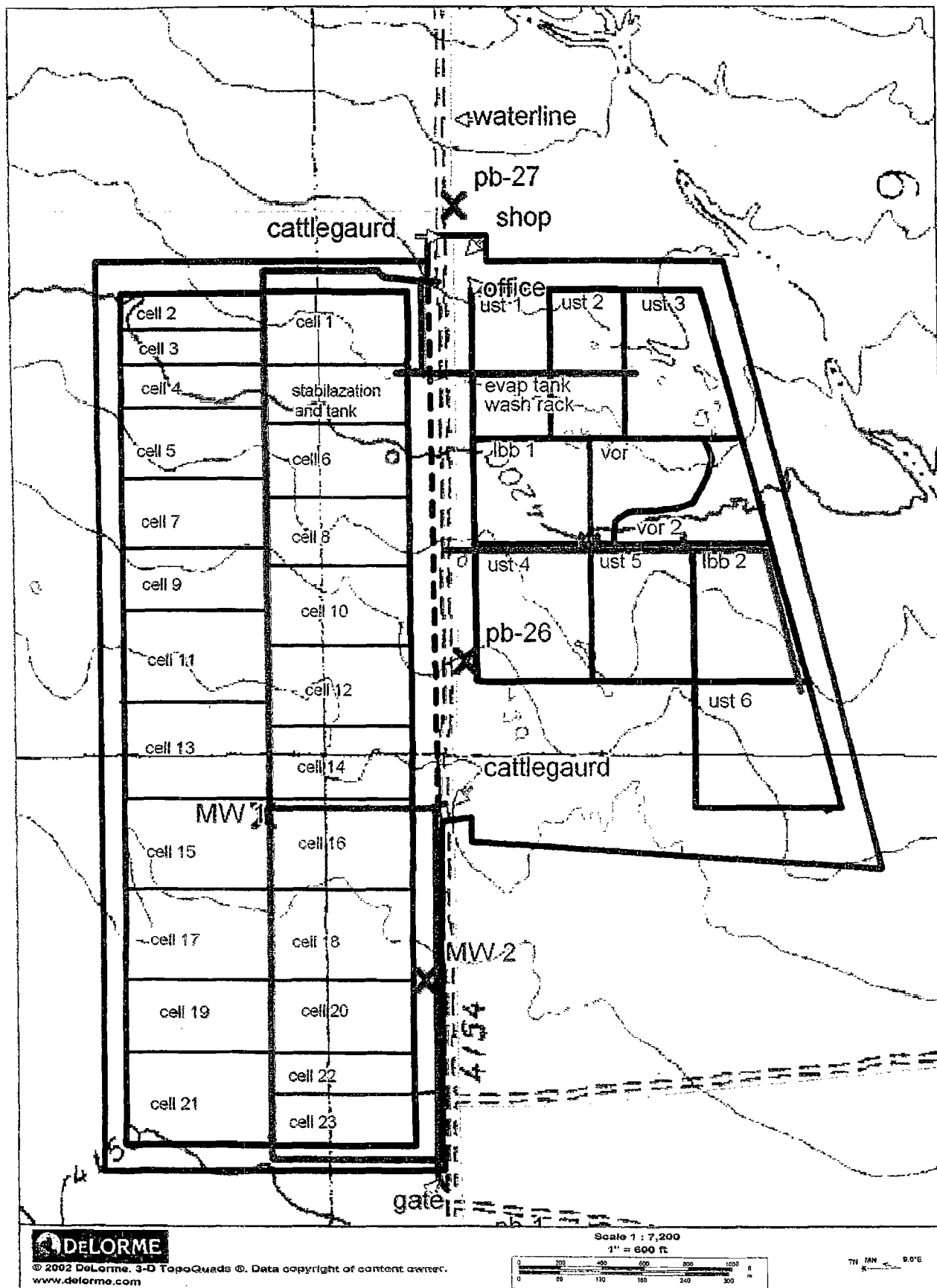
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

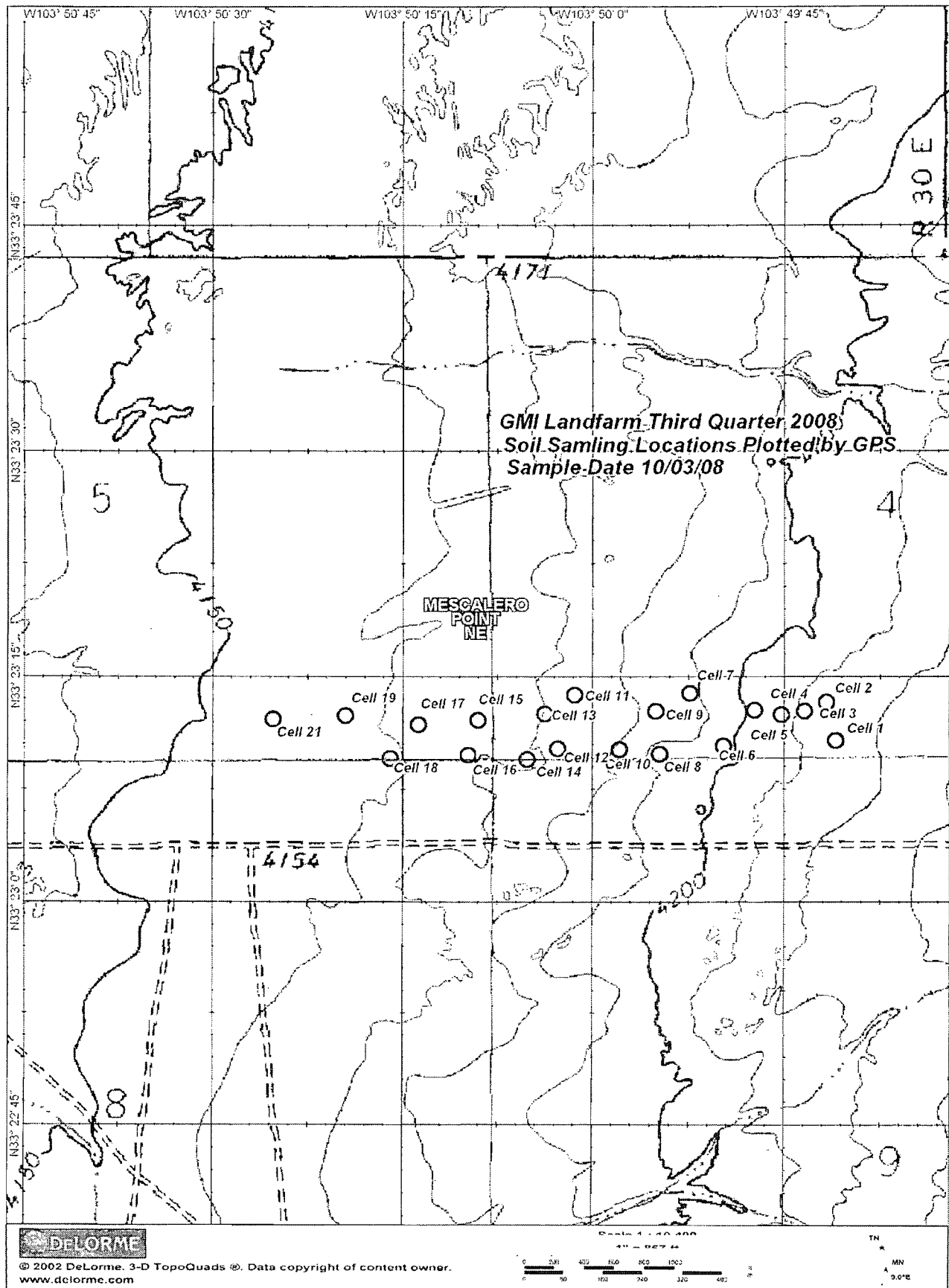
LIST OF APPENDICES

Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: November 28, 2008

Figures:





Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: November 28, 2008

Tables:

Report Date: October 9, 2008
3rd Quarter Soil Sampling 2008

Work Order: 8100615
GMI Landfarm

Page Number: 1 of 2
Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: October 9, 2008

Work Order: 8100615



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2008

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175615	Cell 1	soil	2008-10-03	09:40	2008-10-06
175616	Cell 2	soil	2008-10-03	09:50	2008-10-06
175617	Cell 3	soil	2008-10-03	10:00	2008-10-06
175618	Cell 4	soil	2008-10-03	10:10	2008-10-06
175619	Cell 5	soil	2008-10-03	10:20	2008-10-06
175620	Cell 6	soil	2008-10-03	13:10	2008-10-06
175621	Cell 7	soil	2008-10-03	10:30	2008-10-06
175622	Cell 8	soil	2008-10-03	11:15	2008-10-06
175623	Cell 9	soil	2008-10-03	11:10	2008-10-06
175624	Cell 10	soil	2008-10-03	11:45	2008-10-06
175625	Cell 11	soil	2008-10-03	11:55	2008-10-06
175626	Cell 12	soil	2008-10-03	12:05	2008-10-06
175627	Cell 13	soil	2008-10-03	12:15	2008-10-06
175628	Cell 14	soil	2008-10-03	12:25	2008-10-06
175629	Cell 15	soil	2008-10-03	12:40	2008-10-06
175630	Cell 16	soil	2008-10-03	12:50	2008-10-06
175631	Cell 17	soil	2008-10-03	13:25	2008-10-06
175632	Cell 18	soil	2008-10-03	14:00	2008-10-06
175633	Cell 19	soil	2008-10-03	13:35	2008-10-06
175634	Cell 21	soil	2008-10-03	13:45	2008-10-06

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
175615 - Cell 1	<0.0100	<0.0100	<0.0100	<0.0100		14.8
175616 - Cell 2	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175617 - Cell 3	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175618 - Cell 4	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175619 - Cell 5	<0.0100	<0.0100	<0.0100	<0.0100		<10.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
175620 - Cell 6	<0.0100	<0.0100	<0.0100	<0.0100		13.1
175621 - Cell 7	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175622 - Cell 8	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175623 - Cell 9	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175624 - Cell 10	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175625 - Cell 11	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175626 - Cell 12	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175627 - Cell 13	<0.0100	<0.0100	<0.0100	<0.0100		50.8
175628 - Cell 14	<0.0100	<0.0100	<0.0100	<0.0100		13.5
175629 - Cell 15	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175630 - Cell 16	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175631 - Cell 17	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175632 - Cell 18	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175633 - Cell 19	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
175634 - Cell 21	<0.0100	<0.0100	<0.0100	<0.0100		<10.0

Appendix 1

Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Location EMI Land Farm Date 10/13/08
 Project / Client 3rd Quarter 2008

Soil Sampling By: OMB Environmental
 & Geological Services, Inc.

Page: 1 of 4
NMOC SITE

Cell# Time GPS Coord. Remarks

1	0940	33° 23.179 103° 49.683	Brown - Reddish Clayey Sand No odor or stain c 3' BGS
2	0950	33° 23.222 103° 49.695	Red clayey sand No odor or stain c 3' BGS
3	10:00	33° 23.212 103° 49.724	Tan - white clayey sand w/ pebbles No odor or stain c 3' BGS
4	10:10	33° 23.208 103° 49.754	Tan - white - Brown clayey sand w/ clayey no odor or stain c 3' BGS
5	10:20	33° 23.213 103° 49.789	Tan brown - white clayey sand w/ pebbles No odor or stain c 3' BGS
6	10:30	33° 23.232 103° 49.874	Tan brown - white clayey sand w/ pebbles No odor or stain c 3' BGS
7	10:30	33° 23.173 103° 49.830	Brown clayey sand No odor or stain c 3' BGS

Location EMI Land Farm

Date 10/13/08

Project / Client 3rd Quarter 2008

Soil Sampling By: OMB Environmental
 & Geological Services, Inc.

Page: 2 of 4
NMOC SITE

Cell# Time GPS Coord. Remarks

8	11:15	33° 23.164N 103° 49.912W	Brown clayey sand - no odor or stain c 3' BGS
9	11:10	33° 23.212 103° 49.918	Brown clayey sand + no odor or stain c 3' BGS
10	11:45	33° 23.169N 103° 49.965	Brown clayey sand no odor or stain c 3' BGS
11	11:55	33° 23.230 103° 50.024	Brown clayey sand No odor or stain c 3' BGS
12	12:05	33° 23.170 103° 50.046	Brown clayey sand no odor or stain c 3' BGS
13	12:15	33° 23.209N 103° 50.063	80% clayey sand No odor or stain c 3' BGS
14	12:25	33° 23.158 103° 50.086	Brown clayey sand No odor or stain c 3' BGS
15	12:40	33° 23.202N 103° 50.151	Brown clayey sand no odor or stain c 3' BGS
16	12:50	33° 23.163 103° 50.164	Tan brown clayey sand No odor or stain c 3' BGS

Location: GMI Landfarm Date: 10/03/08
 Project / Client: Brad Quarter 2008 Soil Sampling
Enviro. CMB Environ. Mgmt. & Geol. Services, Inc.

Page 3 of 4
 NW/400 SIDE
 Cell # Time GPS Coord. Remarks

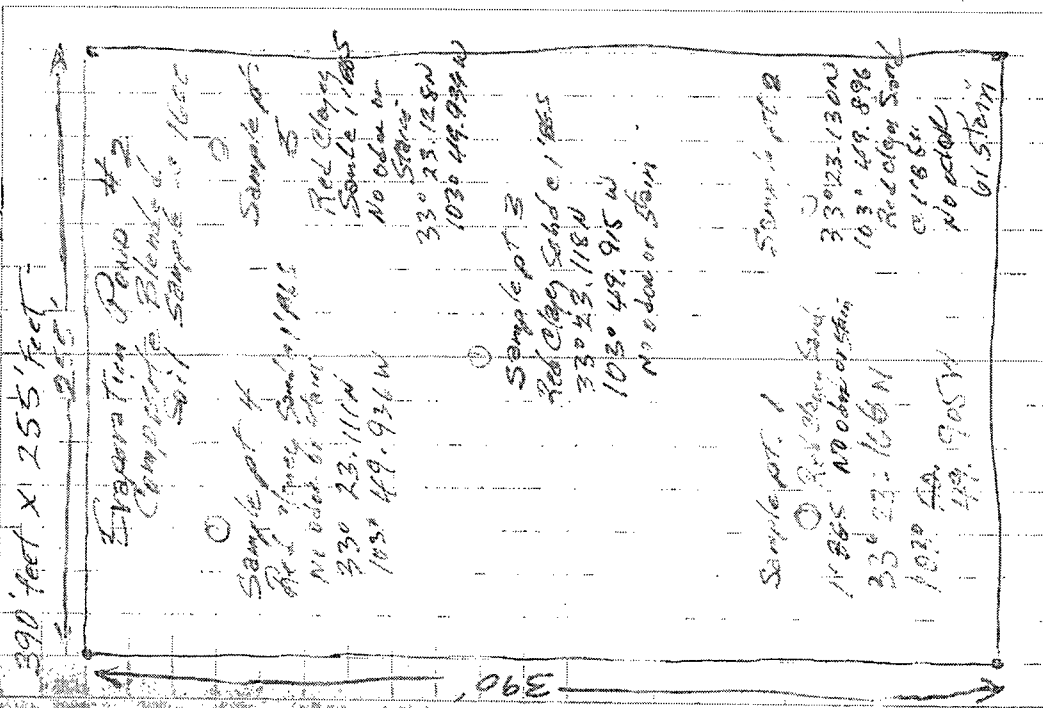
17 13:25 33° 23.197
 103° 50.230
 Brown clayey
 sand w/ calc. pebbles
 No odor or
 staining c. 10' BGS

18 14:00 33° 23.159
 103° 50.267
 Brown clayey
 sand No odor
 or staining
 c. 10' BGS

19 13:35 33° 23.207N
 103° 50.326 W
 Red mudgr.
 sand, well
 sorted No
 odor or stain
 c. 3' BGS

21 13:45 33° 23.203 N
 103° 50.421
 Red brown
 sand w/ calc. pebbles
 No odor or
 staining
 c. 10' BGS

Location: GMI Landfarm Date: 10/03/08
 Project / Client: Brad Quarter 2008 Soil Sampling
Enviro. CMB Environ. Mgmt. & Geol. Services, Inc.



Appendix 3



6701 Aberdeen Avenue, Suite B Lubbock, Texas 79424 800•376•1296 806•794•1296 FAX 806•734•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 915•585•3443 FAX 915•585•3443
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 432•689•6301 FAX 432•689•6301
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: info@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: October 9, 2008

Work Order: 8100615



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2008

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175615	Cell 1	soil	2008-10-03	09:40	2008-10-06
175616	Cell 2	soil	2008-10-03	09:50	2008-10-06
175617	Cell 3	soil	2008-10-03	10:00	2008-10-06
175618	Cell 4	soil	2008-10-03	10:10	2008-10-06
175619	Cell 5	soil	2008-10-03	10:20	2008-10-06
175620	Cell 6	soil	2008-10-03	13:10	2008-10-06

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175621	Cell 7	soil	2008-10-03	10:30	2008-10-06
175622	Cell 8	soil	2008-10-03	11:15	2008-10-06
175623	Cell 9	soil	2008-10-03	11:10	2008-10-06
175624	Cell 10	soil	2008-10-03	11:45	2008-10-06
175625	Cell 11	soil	2008-10-03	11:55	2008-10-06
175626	Cell 12	soil	2008-10-03	12:05	2008-10-06
175627	Cell 13	soil	2008-10-03	12:15	2008-10-06
175628	Cell 14	soil	2008-10-03	12:25	2008-10-06
175629	Cell 15	soil	2008-10-03	12:40	2008-10-06
175630	Cell 16	soil	2008-10-03	12:50	2008-10-06
175631	Cell 17	soil	2008-10-03	13:25	2008-10-06
175632	Cell 18	soil	2008-10-03	14:00	2008-10-06
175633	Cell 19	soil	2008-10-03	13:35	2008-10-06
175634	Cell 21	soil	2008-10-03	13:45	2008-10-06

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

This report consists of a total of 25 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2008-10-06 and assigned to work order 8100615. Samples for work order 8100615 were received intact at a temperature of 3.2 deg. C.

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

Test	Method
BTEX	S 8021B
TPH 418.1	E 418.1

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8100615 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

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Analytical Report

Sample: 175615 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53051
Prep Batch: 45451

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.948	mg/Kg	1	1.00	95	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.994	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175615 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		14.8	mg/Kg	1	10.0

Sample: 175616 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53051
Prep Batch: 45451

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.928	mg/Kg	1	1.00	93	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	71.7 - 123.8

Sample: 175616 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175617 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53051
Prep Batch: 45451

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.980	mg/Kg	1	1.00	98	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	71.7 - 123.8

Sample: 175617 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175618 - Cell 4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	1	1.16	mg/Kg	1	1.00	116	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	71.7 - 123.8

Sample: 175618 - Cell 4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175619 - Cell 5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

¹ High surrogate recovery. Sample non-detect, result bias high.

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sample 175619 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.933	mg/Kg	1	1.00	93	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.998	mg/Kg	1	1.00	100	71.7 - 123.8

Sample: 175619 - Cell 5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175620 - Cell 6

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.989	mg/Kg	1	1.00	99	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	71.7 - 123.8

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Sample: 175620 - Cell 6

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		13.1	mg/Kg	1	10.0

Sample: 175621 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.927	mg/Kg	1	1.00	93	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.989	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175621 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53144
Prep Batch: 45535

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-08

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

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Sample: 175622 - Cell 8

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.910	mg/Kg	1	1.00	91	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	71.7 - 123.8

Sample: 175622 - Cell 8

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175623 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.919	mg/Kg	1	1.00	92	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.987	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175623 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175624 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.920	mg/Kg	1	1.00	92	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.974	mg/Kg	1	1.00	97	71.7 - 123.8

Sample: 175624 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175625 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.935	mg/Kg	1	1.00	94	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	71.7 - 123.8

Sample: 175625 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175626 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

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sample 175626 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.903	mg/Kg	1	1.00	90	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.980	mg/Kg	1	1.00	98	71.7 - 123.8

Sample: 175626 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175627 - Cell 13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.906	mg/Kg	1	1.00	91	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.981	mg/Kg	1	1.00	98	71.7 - 123.8

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Sample: 175627 - Cell 13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		50.8	mg/Kg	1	10.0

Sample: 175628 - Cell 14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.946	mg/Kg	1	1.00	95	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.990	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175628 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		13.5	mg/Kg	1	10.0

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Sample: 175629 - Cell 15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.930	mg/Kg	1	1.00	93	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.994	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175629 - Cell 15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175630 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.922	mg/Kg	1	1.00	92	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.990	mg/Kg	1	1.00	99	71.7 - 123.8

Sample: 175630 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175631 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.972	mg/Kg	1	1.00	97	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	71.7 - 123.8

Sample: 175631 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175632 - Cell 18

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 53053

Prep Batch: 45456

Analytical Method: S 8021B

Date Analyzed: 2008-10-06

Sample Preparation: 2008-10-06

Prep Method: S 5035

Analyzed By: ER

Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.936	mg/Kg	1	1.00	94	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		0.997	mg/Kg	1	1.00	100	71.7 - 123.8

Sample: 175632 - Cell 18

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 53146

Prep Batch: 45537

Analytical Method: E 418.1

Date Analyzed: 2008-10-09

Sample Preparation: 2008-10-09

Prep Method: N/A

Analyzed By: CM

Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175633 - Cell 19

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 53053

Prep Batch: 45456

Analytical Method: S 8021B

Date Analyzed: 2008-10-06

Sample Preparation: 2008-10-06

Prep Method: S 5035

Analyzed By: ER

Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100

continued ...

sample 175633 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.983	mg/Kg	1	1.00	98	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	71.7 - 123.8

Sample: 175633 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 175634 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 53053
Prep Batch: 45456

Analytical Method: S 8021B
Date Analyzed: 2008-10-06
Sample Preparation: 2008-10-06

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.935	mg/Kg	1	1.00	94	68.6 - 115.1
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	71.7 - 123.8

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Sample: 175634 - Cell 21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 53146
Prep Batch: 45537

Analytical Method: E 418.1
Date Analyzed: 2008-10-09
Sample Preparation: 2008-10-09

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Method Blank (1) QC Batch: 53051

QC Batch: 53051
Prep Batch: 45451

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00193	mg/Kg	0.01
Toluene		<0.00268	mg/Kg	0.01
Ethylbenzene		<0.00488	mg/Kg	0.01
Xylene		<0.00432	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.895	mg/Kg	1	1.00	90	68 - 107.9
4-Bromofluorobenzene (4-BFB)		0.956	mg/Kg	1	1.00	96	57.9 - 114.6

Method Blank (1) QC Batch: 53053

QC Batch: 53053
Prep Batch: 45456

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00193	mg/Kg	0.01
Toluene		<0.00268	mg/Kg	0.01
Ethylbenzene		<0.00488	mg/Kg	0.01
Xylene		<0.00432	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.888	mg/Kg	1	1.00	89	68 - 107.9
4-Bromofluorobenzene (4-BFB)		0.941	mg/Kg	1	1.00	94	57.9 - 114.6

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Method Blank (1) QC Batch: 53144

QC Batch: 53144
Prep Batch: 45535

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-08

Analyzed By: CM
Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Method Blank (1) QC Batch: 53146

QC Batch: 53146
Prep Batch: 45537

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-09

Analyzed By: CM
Prepared By: CM

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 53051
Prep Batch: 45451

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.977	mg/Kg	1	1.00	<0.00193	98	81.9 - 106.8
Toluene	0.980	mg/Kg	1	1.00	<0.00268	98	82.4 - 106.6
Ethylbenzene	0.976	mg/Kg	1	1.00	<0.00488	98	82.4 - 106.9
Xylene	2.96	mg/Kg	1	3.00	<0.00432	99	81.3 - 108.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.956	mg/Kg	1	1.00	<0.00193	96	81.9 - 106.8	2	20
Toluene	0.971	mg/Kg	1	1.00	<0.00268	97	82.4 - 106.6	1	20
Ethylbenzene	0.953	mg/Kg	1	1.00	<0.00488	95	82.4 - 106.9	2	20
Xylene	2.87	mg/Kg	1	3.00	<0.00432	96	81.3 - 108.4	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.879	0.898	mg/Kg	1	1.00	88	90	79.1 - 116.9
4-Bromofluorobenzene (4-BFB)	0.938	1.00	mg/Kg	1	1.00	94	100	78.3 - 123.5

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Laboratory Control Spike (LCS-1)

QC Batch: 53053
Prep Batch: 45456

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.993	mg/Kg	1	1.00	<0.00193	99	81.9 - 106.8
Toluene	0.995	mg/Kg	1	1.00	<0.00268	100	82.4 - 106.6
Ethylbenzene	0.984	mg/Kg	1	1.00	<0.00488	98	82.4 - 106.9
Xylene	2.98	mg/Kg	1	3.00	<0.00432	99	81.3 - 108.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.992	mg/Kg	1	1.00	<0.00193	99	81.9 - 106.8	0	20
Toluene	0.992	mg/Kg	1	1.00	<0.00268	99	82.4 - 106.6	0	20
Ethylbenzene	0.968	mg/Kg	1	1.00	<0.00488	97	82.4 - 106.9	2	20
Xylene	2.92	mg/Kg	1	3.00	<0.00432	97	81.3 - 108.4	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.953	0.901	mg/Kg	1	1.00	95	90	79.1 - 116.9
4-Bromofluorobenzene (4-BFB)	1.03	0.976	mg/Kg	1	1.00	103	98	78.3 - 123.5

Laboratory Control Spike (LCS-1)

QC Batch: 53144
Prep Batch: 45535

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-08

Analyzed By: CM
Prepared By: CM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	231	mg/Kg	1	250	<1.06	92	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	245	mg/Kg	1	250	<1.06	98	75.5 - 136	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 53146
Prep Batch: 45537

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-09

Analyzed By: CM
Prepared By: CM

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	229	mg/Kg	1	250	<1.06	92	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	239	mg/Kg	1	250	<1.06	96	75.5 - 136	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 175599

QC Batch: 53051
Prep Batch: 45451

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.14	mg/Kg	1	1.00	<0.00193	114	38.9 - 123.1
Toluene	1.21	mg/Kg	1	1.00	<0.00268	121	46.7 - 124.7
Ethylbenzene	1.27	mg/Kg	1	1.00	<0.00488	127	47.6 - 133.5
Xylene	3.82	mg/Kg	1	3.00	<0.00432	127	43 - 141.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.20	mg/Kg	1	1.00	<0.00193	120	38.9 - 123.1	5	20
Toluene	² 1.28	mg/Kg	1	1.00	<0.00268	128	46.7 - 124.7	6	20
Ethylbenzene	³ 1.35	mg/Kg	1	1.00	<0.00488	135	47.6 - 133.5	6	20
Xylene	4.06	mg/Kg	1	3.00	<0.00432	135	43 - 141.4	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.984	1.02	mg/Kg	1	1	98	102	80.1 - 122.4
4-Bromofluorobenzene (4-BFB)	0.990	1.08	mg/Kg	1	1	99	108	77.4 - 138.2

Matrix Spike (MS-1) Spiked Sample: 175618

QC Batch: 53053
Prep Batch: 45456

Date Analyzed: 2008-10-06
QC Preparation: 2008-10-06

Analyzed By: ER
Prepared By: ER

²MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

³MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	⁴	1.47	mg/Kg	1	1.00	<0.00193	147	38.9 - 123.1
Toluene	⁵	1.55	mg/Kg	1	1.00	<0.00268	155	46.7 - 124.7
Ethylbenzene	⁶	1.64	mg/Kg	1	1.00	<0.00488	164	47.6 - 133.5
Xylene	⁷	4.92	mg/Kg	1	3.00	<0.00432	164	43 - 141.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	⁸	1.43	mg/Kg	1	1.00	<0.00193	143	38.9 - 123.1	3	20
Toluene	⁹	1.51	mg/Kg	1	1.00	<0.00268	151	46.7 - 124.7	3	20
Ethylbenzene	¹⁰	1.59	mg/Kg	1	1.00	<0.00488	159	47.6 - 133.5	3	20
Xylene	¹¹	4.78	mg/Kg	1	3.00	<0.00432	159	43 - 141.4	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.01	1.06	mg/Kg	1	1	101	106	80.1 - 122.4
4-Bromofluorobenzene (4-BFB)	1.01	1.06	mg/Kg	1	1	101	106	77.4 - 138.2

Matrix Spike (MS-1) Spiked Sample: 175595

QC Batch: 53144
Prep Batch: 45535

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-08

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	111	mg/Kg	1	250	<1.06	44	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	119	mg/Kg	1	250	<1.06	48	10 - 354	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

⁴Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁵Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁶Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁷Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁹Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁰Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

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Matrix Spike (MS-1) Spiked Sample: 175631

QC Batch: 53146
Prep Batch: 45537

Date Analyzed: 2008-10-09
QC Preparation: 2008-10-09

Analyzed By: CM
Prepared By: CM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	143	mg/Kg	1	250	<1.06	57	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	151	mg/Kg	1	250	<1.06	60	10 - 354	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 53051

Date Analyzed: 2008-10-06

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0966	97	85 - 115	2008-10-06
Toluene		mg/Kg	0.100	0.0975	98	85 - 115	2008-10-06
Ethylbenzene		mg/Kg	0.100	0.0971	97	85 - 115	2008-10-06
Xylene		mg/Kg	0.300	0.294	98	85 - 115	2008-10-06

Standard (CCV-1)

QC Batch: 53051

Date Analyzed: 2008-10-06

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.100	100	85 - 115	2008-10-06
Toluene		mg/Kg	0.100	0.0999	100	85 - 115	2008-10-06
Ethylbenzene		mg/Kg	0.100	0.0972	97	85 - 115	2008-10-06
Xylene		mg/Kg	0.300	0.292	97	85 - 115	2008-10-06

Standard (ICV-1)

QC Batch: 53053

Date Analyzed: 2008-10-06

Analyzed By: ER

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0978	98	85 - 115	2008-10-06
Toluene		mg/Kg	0.100	0.0977	98	85 - 115	2008-10-06
Ethylbenzene		mg/Kg	0.100	0.0961	96	85 - 115	2008-10-06
Xylene		mg/Kg	0.300	0.292	97	85 - 115	2008-10-06

Standard (CCV-1)

QC Batch: 53053

Date Analyzed: 2008-10-06

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0980	98	85 - 115	2008-10-06
Toluene		mg/Kg	0.100	0.0978	98	85 - 115	2008-10-06
Ethylbenzene		mg/Kg	0.100	0.0951	95	85 - 115	2008-10-06
Xylene		mg/Kg	0.300	0.286	95	85 - 115	2008-10-06

Standard (ICV-1)

QC Batch: 53144

Date Analyzed: 2008-10-09

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	93.1	93	80 - 120	2008-10-09

Standard (CCV-1)

QC Batch: 53144

Date Analyzed: 2008-10-09

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	92.6	93	80 - 120	2008-10-09

Standard (CCV-2)

QC Batch: 53144

Date Analyzed: 2008-10-09

Analyzed By: CM

Report Date: October 9, 2008
3rd Quarter Soil Sampling 2008

Work Order: 8100615
GMI Landfarm

Page Number: 25 of 25
Sec. 4, 5, 8, 9, T11S-R31E, Chaves, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	95.7	96	80 - 120	2008-10-09

Standard (ICV-1)

QC Batch: 53146

Date Analyzed: 2008-10-09

Analyzed By: CM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	93.1	93	80 - 120	2008-10-09

Standard (CCV-1)

QC Batch: 53146

Date Analyzed: 2008-10-09

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	93.9	94	80 - 120	2008-10-09

Standard (CCV-2)

QC Batch: 53146

Date Analyzed: 2008-10-09

Analyzed By: CM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	95.6	96	80 - 120	2008-10-09

TraceAnalysis, Inc.

Company Name: TraceAnalysis, Inc. Phone #: 575-347-0434
Address: 6701 Aberdeen Avenue, Suite 9 Fax #: 575-347-0434
Lubbock, Texas 79424
Contact Person: RD Box 1658 Roswell NM 88202 Fax #: 575-347-0434
E-mail: lab@traceanalysis.com E-mail: harry.gandy@traceanalysis.com

Project Name: 3RD Quarter 2008 Soil Sampling
Project Location (including state): Sec. 4, 5, 8, 9 T.11S. R. 31E. Chaves Co. NM
Project Number: 3RD Quarter 2008 Soil Sampling

Project Location (including state): Sec. 4, 5, 8, 9 T.11S. R. 31E. Chaves Co. NM
Project Number: 3RD Quarter 2008 Soil Sampling

Invoice to:	Project #:	Project Name:	Project Location (including state):	Project Sampler Signature:
(If different from above)	3RD Quarter 2008 Soil Sampling	Great Land Farm	Sec. 4, 5, 8, 9 T. 11. S. R. 31 E. Ind.	

175615	Cell 1	1	4oz	X							X	X		10/10/08	0940
616	Cell 2	1	4oz												0950
617	Cell 3	1	4oz												1000
618	Cell 4	1	4oz												1010
619	Cell 5	1	4oz												1020
620	Cell 6	1	8oz												1030
621	Cell 7	1	4oz												1115
622	Cell 8	1	4oz												1110
623	Cell 9	1	4oz												1145
624	Cell 10	1	4oz												1155
625	Cell 11	1	4oz												1155

Relinquished by: Harry Gandy Date: 10/05/08 Time: 1100
Relinquished by: Harry Gandy Date: 10/05/08 Time: 1100
Relinquished by: Harry Gandy Date: 10/05/08 Time: 1100

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ANALYSIS REQUEST

(Circle or Specify Method No.)

☐	TC/MS Vol. 8260B / 624
☐	GC/MS Semi. Vol. 8270C / 625
☐	PCBs 8082 / 608
☐	Pesticides 8081A / 608
☐	BOD, TSS, pH
☐	Moisture Content
☐	Turn Around Time if different from standard

REMARKS: Please Send Copy of Results to Harry Gandy

☐ Dry Weight Basis Required GM bearing no

☐ TRRP Report Required detn. low

☐ Check if Special Reporting Limits Are Needed

Carrier # BUSGLI 3049348181 (2000)

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Page

of

2

Company Name: <u>Gandy Markey Inc.</u>		Phone #: <u>575-347-0434</u>	
Address: <u>PO Box 1658 Roswell NM 86102-575</u>		Fax #: <u>575-347-0435</u>	
Contact Person: <u>Larry Gandy (575) 399-5721</u>		E-mail: <u>gmic@tm.com</u>	
Invoice to: <u>(If different from above)</u>			
Project #: <u>5th Quarter 2008 Soil Sampling</u>			
Project Location (including state): <u>Sec. 4, 5, 8, 9 T.11S. R.31E. Co. NM</u>			
Project Name: <u>Chert Landfills</u>			
Project Sampler Signature: <u>[Signature]</u>			

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME	DATE	Temp °C	REMARKS
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE				
175626	Cell 12	1	4/oz	X											10/23/08	12:55	
627	Cell 13	1	8/oz												12:15		
628	Cell 14	1													12:25		
629	Cell 15	1													12:40		
630	Cell 16	1													12:50		
631	Cell 17	1													13:25		
632	Cell 18	1													14:00		
633	Cell 19	1													13:35		
634	Cell 21	1	↓												13:45		
	Temp Blank	1	1/25 ml	X													

Refiniquished by: <u>[Signature]</u>	Company: <u>OWB</u>	Date: <u>10/23/08</u>	Time: <u>1100</u>
Reiniquished by: <u>[Signature]</u>	Company: <u>OWB</u>	Date: <u>10/23/08</u>	Time: <u>1100</u>
Relinquished by: <u>[Signature]</u>	Company: <u>OWB</u>	Date: <u>10/23/08</u>	Time: <u>1100</u>

LAB USE ONLY	LAB USE ONLY
TPH 8015 GPO / DRO / TVHC	TPH 8015 GPO / DRO / TVHC
PAH 8270C / 625	PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles	TCLP Volatiles
TCLP Semi Volatiles	TCLP Semi Volatiles
TCLP Pesticides	TCLP Pesticides
RCI	RCI
GC/MS Vol. 8260B / 624	GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C / 625	GC/MS Semi. Vol. 8270C / 625
PCBs 8082 / 608	PCBs 8082 / 608
Pesticides 8081A / 608	Pesticides 8081A / 608
BOD, TSS, pH	BOD, TSS, pH
Moisture Content	Moisture Content
Turn Around Time if different from standard	Turn Around Time if different from standard

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Buscili 3011348181 (2cc)

May 30, 2008
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

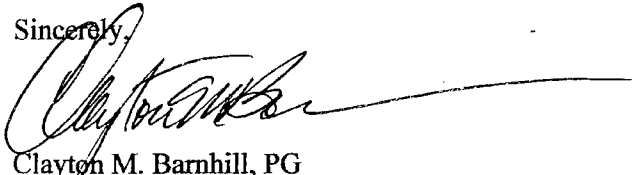
Re: Submittal of First Quarterly Monitoring Report for Year 2008
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)

Dear Mr. Jones:

Clayton M. Barnhill, CMB Environmental and Geological Services Inc., on behalf of the owner/operator, Gandy Marley Inc., submit the attached Quarterly Monitoring Report for the above-mentioned site.

If you have any questions about the contents of the report, please do not hesitate to call me.
Thank you.

Sincerely,



Clayton M. Barnhill, PG
NMED PSTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
Phone: (505) 622-2012 Phone Fax: (505) 625-0538
Cellular: (505) 626-1615
cmbenviro@dfn.com

Cc: Gandy Marley Inc.

RECEIVED
2008 JUN 23 PM 3 03

**COVER PAGE
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**
2. Responsible party: **Gandy Marley Inc.**
3. Responsible party mailing address (list contact person if different):

**Gandy Marley Inc.
Attn: Mr. Bill Marley, Vice President, Project Manager
PO Box 1658
Roswell, NM 88202-1658**

4. Commercial Landfarm Permit Number: **NM-01-0019**
5. Address/legal description:

**SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9
T. 11 S. R. 31 E., NMPM
Chaves County, NM**

6. Author/consulting company:

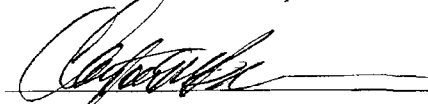
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **May 30, 2008**

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name:

Clayton M. Barnhill, PG

Affiliation:

CMB Environmental and Geological Services, Inc.

Title:

Sr. / Principal Geologist

Certified Scientist #:

0246, State of Texas Professional Geologist 6121, exp. 12/31/08

Date:

05/30/2008

I. INTRODUCTION

CMB Environmental and Geological Services Inc., on behalf of Gandy Marley Inc., the owner/operator of the Gandy Marley Inc., Landfarm located in the SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9, Township 11 South, Range 31 East, Chaves County, New Mexico, has prepared this quarterly monitoring report in accordance with conditions set forth in Commercial Landfarm Permit Number NM-01-0019 (Gandy Marley Inc., approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 17, 2006.

The Gandy Marley Inc, Commercial Landfarm is located approximately 33 miles northwest of Tatum, NM in Sections 4, 5, 8 & 9, T. 11 S. R. 31 E., Chaves County, New Mexico (Figure 1). In January of 2006, the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau approved a Commercial Landfarm Permit NM-01-0019. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-01-0019. Received soils on the landfarm are deposited in bermed cells in six-inch lifts and disked on a regular basis to enhance aeration. Groundwater below the site is at a depth between 122.62' foot (MW-2) and 130.32' foot (MW-1) below the top of casing of both monitor wells. Groundwater beneath the site has a total dissolved solids concentration of approximately 8970 milligrams per liter.

A. Scope of Work

The approved scope of work for the first quarter of monitoring year 2008 consists of collecting confirmation soil samples beneath all site cells actively landfarmed or previously active, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), and BTEX, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

The soil sampling adequately monitored the vadose zone beneath the facility. Appendix 3 contains the complete analytical results for soils sampled in these Cells.

The sampling protocol for the monitoring activities can be found in Appendix 1. Appendix 2 contains field notes with GPS Coordinates of sample points for this monitoring event. Laboratory analysis reports of soil samples are in Appendix 3.

B. Quarter Highlights

First quarter 2008 sampling / monitoring was performed on April 17, 2008. This quarter's monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.
- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS QUARTER

C. Monitoring Activities

Landfarm Remediation cell soil samples were collected beneath the remediation cells and submitted to Trace Analysis Laboratory, located in Lubbock Texas and were analyzed for TPH using EPA Method 418.1, BTEX using EPA Method 8021B.

The soil sampling adequately monitored the vadose zone beneath the facility. Laboratory analysis reports and chain of custody forms are in Appendix 3.

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. continues to be highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.0100 PPM BTEX, and TPH concentrations (≤ 65 PPM TPH). The contaminated media in the cells has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

Perched groundwater below the site is at a depth of 122' feet to 130' feet below ground surface, and has a total dissolved solids concentration of approximately 8970 milligrams per liter.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.01 PPM, and TPH Concentrations ≤ 10 PPM.

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Satellite Image / Topographic Map with sample locations plotted		X

LIST OF TABLES

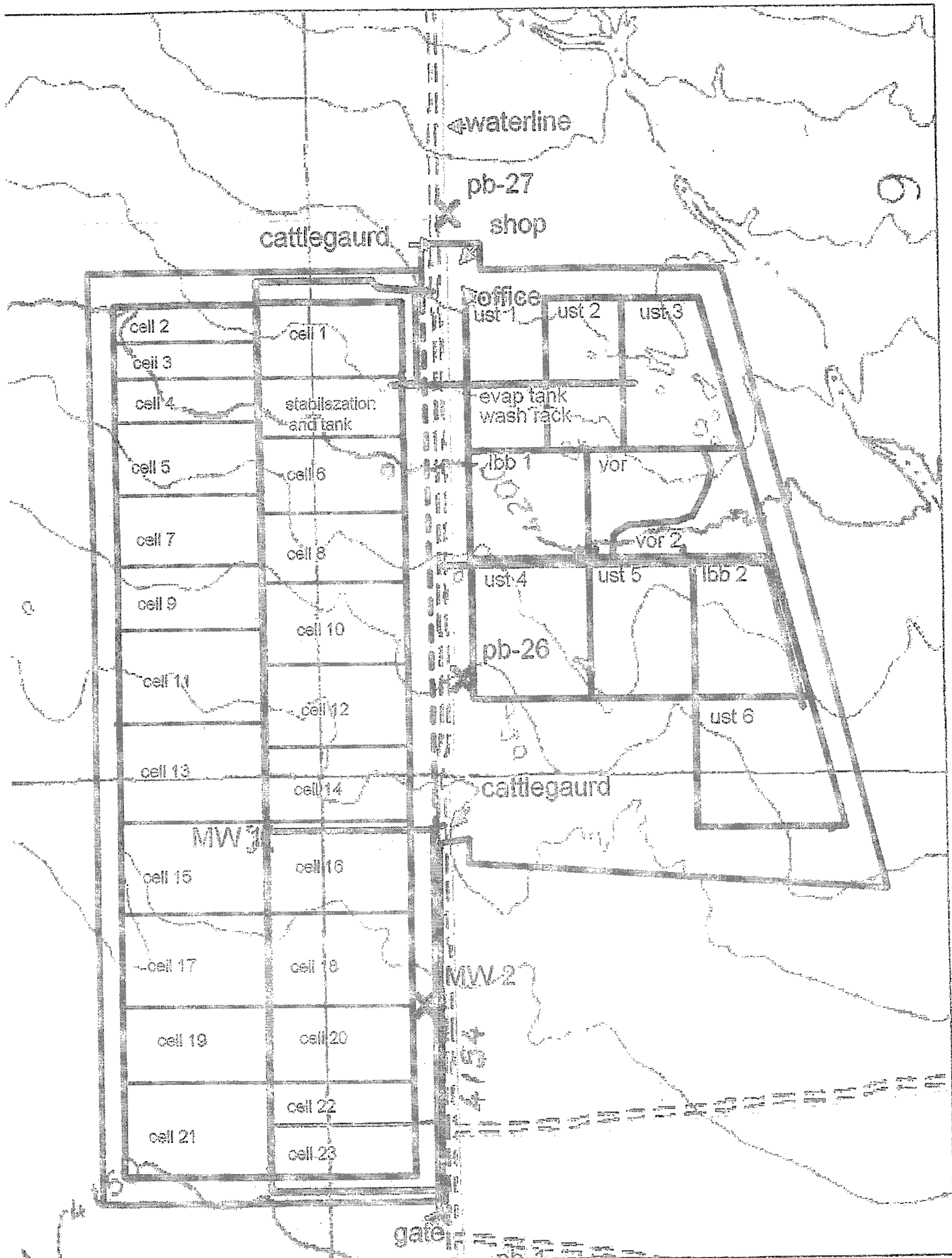
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

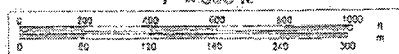
Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: May 30, 2008

Figures:

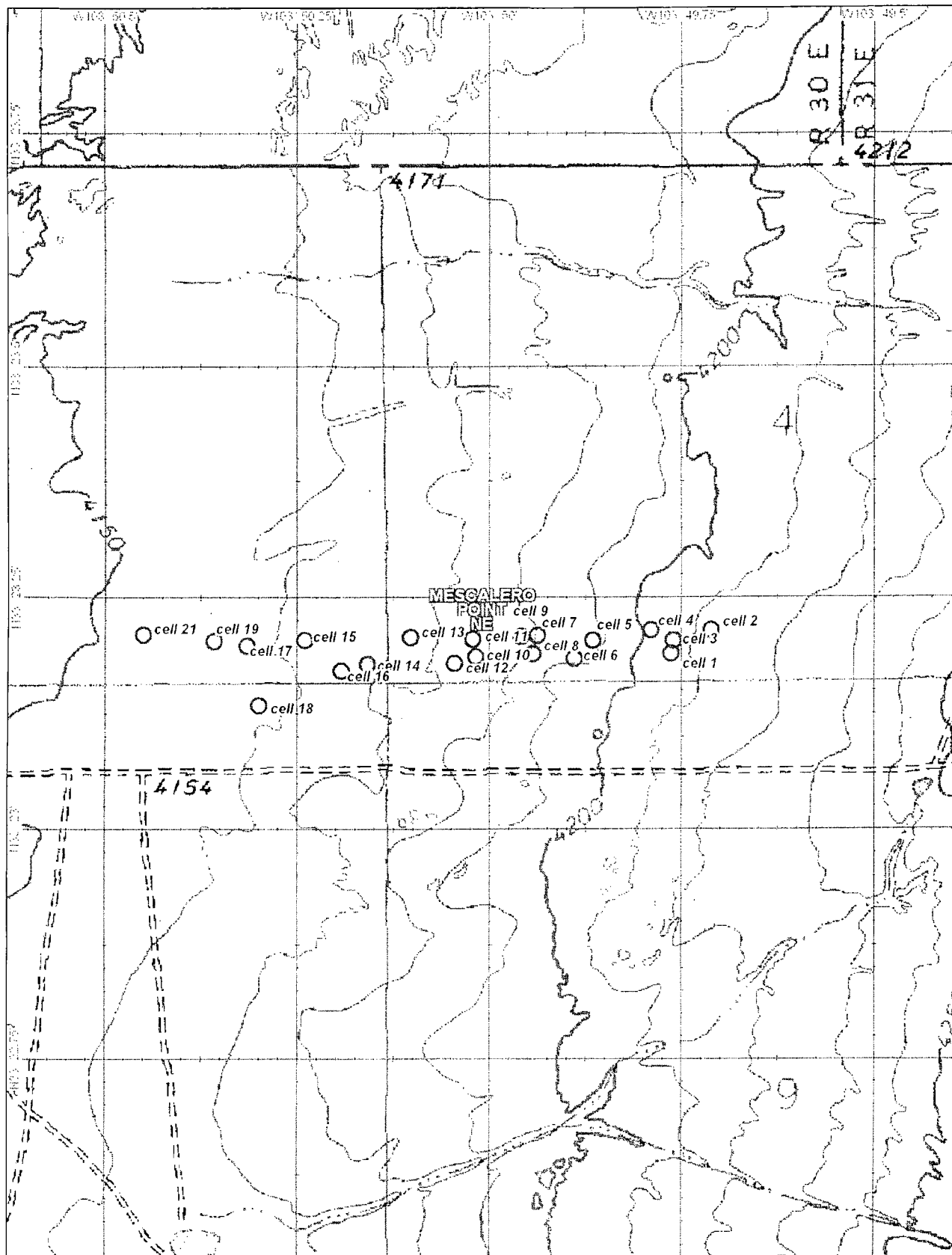


Scale 1 : 7,200
1" = 600 ft



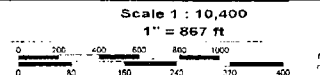
T11 50M 0.0°E





DELORME

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www.delorme.com



Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: May 30, 2008

Tables:

Summary Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: April 25, 2008

Work Order: 8042112



Project Location: Sec. 4, 5, 8, 9 T11S, R31E; Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Testing-2008

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
157434	Ce11 1	soil	2008-04-17	09:55	2008-04-19
157435	Ce11 2	soil	2008-04-17	09:45	2008-04-19
157436	Ce11 3	soil	2008-04-17	10:00	2008-04-19
157437	Ce11 4	soil	2008-04-17	10:05	2008-04-19
157438	Ce11 5	soil	2008-04-17	10:10	2008-04-19
157439	Ce11 6	soil	2008-04-17	10:15	2008-04-19
157440	Ce11 7	soil	2008-04-17	10:45	2008-04-19
157441	Ce11 8	soil	2008-04-17	10:50	2008-04-19
157442	Ce11 9	soil	2008-04-17	10:55	2008-04-19
157443	Ce11 10	soil	2008-04-17	11:00	2008-04-19
157444	Ce11 11	soil	2008-04-17	11:05	2008-04-19
157445	Ce11 13	soil	2008-04-17	11:15	2008-04-19
157446	Ce11 14	soil	2008-04-17	11:20	2008-04-19
157447	Ce11 15	soil	2008-04-17	11:30	2008-04-19
157448	Ce11 16	soil	2008-04-17	11:35	2008-04-19
157449	Ce11 17	soil	2008-04-17	11:45	2008-04-19
157450	Ce11 18	soil	2008-04-17	12:10	2008-04-19
157451	Ce11 19	soil	2008-04-17	11:50	2008-04-19
157452	Ce11 21	soil	2008-04-17	12:00	2008-04-19
157453	Ce11 12	soil	2008-04-17	11:10	2008-04-19

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
157434 - Ce11 1	<0.0100	<0.0100	<0.0100	<0.0100		11.0
157435 - Ce11 2	<0.0100	<0.0100	<0.0100	<0.0100		32.7
157436 - Ce11 3	<0.0100	<0.0100	<0.0100	<0.0100		10.3
157437 - Ce11 4	<0.0100	<0.0100	<0.0100	<0.0100		56.3
157438 - Ce11 5	<0.0100	<0.0100	<0.0100	<0.0100		51.9
157439 - Ce11 6	<0.0100	<0.0100	<0.0100	<0.0100		28.2
157440 - Ce11 7	<0.0100	<0.0100	<0.0100	<0.0100		61.5
157441 - Ce11 8	<0.0100	<0.0100	<0.0100	<0.0100		33.9
157442 - Ce11 9	<0.0100	<0.0100	<0.0100	<0.0100		55.6
157443 - Ce11 10	<0.0100	<0.0100	<0.0100	<0.0100		38.8
157444 - Ce11 11	<0.0100	<0.0100	<0.0100	<0.0100		35.0

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH 418.1
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
157445 - Ce11 13	<0.0100	<0.0100	<0.0100	<0.0100		46.4
157446 - Ce11 14	<0.0100	<0.0100	<0.0100	<0.0100		<10.0
157447 - Ce11 15	<0.0100	<0.0100	<0.0100	<0.0100		14.0
157448 - Ce11 16	<0.0100	<0.0100	<0.0100	<0.0100		59.1
157449 - Ce11 17	<0.0100	<0.0100	<0.0100	<0.0100		49.1
157450 - Ce11 18	<0.0100	<0.0100	<0.0100	<0.0100		44.7
157451 - Ce11 19	<0.0100	<0.0100	<0.0100	<0.0100		13.4
157452 - Ce11 21	<0.0100	<0.0100	<0.0100	<0.0100		21.4
157453 - Ce11 12	<0.0100	<0.0100	<0.0100	<0.0100		40.4

Appendix 1

Sampling Protocol

Appendix 1

Sampling Protocol

Site Remediation cells were checked for the presence of phase-separated hydrocarbons (PSH).

A Gandy Marley Inc. owned and operated front end loader dug down with the loader bucket 18" inches to 24" inches below the surface of the remediation cell. An 8" inch loader mounted drill auger was then used to create a soil boring below the exposed soil surface to a depth of 36" inches below the original ground surface of the remediation cell. An AMS 3" inch Stainless steel hand auger was then used by Clayton M. Barnhill, PG (CMB Environmental & Geological Services Inc.) to collect the soil samples beneath the remediation cells. The AMS stainless steel auger and the 8" inch drilling auger were de-contaminated between sample points by cleaning with a brush in an Alconox soap solution and then rinsing with potable water. New Nitrile gloves were changed at each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021. Soil Samples were collected in one 4 ounce glass jar containing no preservative.

Samples were immediately placed on ice in an insulated cooler and were delivered to the Trace Analysis Laboratory, located in Lubbock, Texas, for analysis. Chain of custody documentation accompanied the samples at all times.

Appendix 2

Field Notes

Appendix 3



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1295 806•794•1295 FAX 806•794•1295
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Bill Marley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: April 25, 2008

Work Order: 8042112



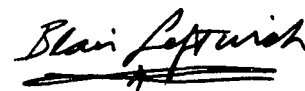
Project Location: Sec. 4, 5, 8, 9 T11S, R31E; Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Testing-2008

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
157434	Ce11 1	soil	2008-04-17	09:55	2008-04-19
157435	Ce11 2	soil	2008-04-17	09:45	2008-04-19
157436	Ce11 3	soil	2008-04-17	10:00	2008-04-19
157437	Ce11 4	soil	2008-04-17	10:05	2008-04-19
157438	Ce11 5	soil	2008-04-17	10:10	2008-04-19
157439	Ce11 6	soil	2008-04-17	10:15	2008-04-19
157440	Ce11 7	soil	2008-04-17	10:45	2008-04-19
157441	Ce11 8	soil	2008-04-17	10:50	2008-04-19
157442	Ce11 9	soil	2008-04-17	10:55	2008-04-19
157443	Ce11 10	soil	2008-04-17	11:00	2008-04-19
157444	Ce11 11	soil	2008-04-17	11:05	2008-04-19
157445	Ce11 13	soil	2008-04-17	11:15	2008-04-19
157446	Ce11 14	soil	2008-04-17	11:20	2008-04-19
157447	Ce11 15	soil	2008-04-17	11:30	2008-04-19
157448	Ce11 16	soil	2008-04-17	11:35	2008-04-19
157449	Ce11 17	soil	2008-04-17	11:45	2008-04-19
157450	Ce11 18	soil	2008-04-17	12:10	2008-04-19
157451	Ce11 19	soil	2008-04-17	11:50	2008-04-19
157452	Ce11 21	soil	2008-04-17	12:00	2008-04-19
157453	Ce11 12	soil	2008-04-17	11:10	2008-04-19

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

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in cursive script, reading "Blair Leftwich". The signature is written in dark ink and is positioned above a horizontal line.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 157434 - Ce11 1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47698	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41018	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.919	mg/Kg	1	1.00	92	84.6 - 117
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	89.7 - 139

Sample: 157434 - Ce11 1

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	47751	Date Analyzed:	2008-04-22	Analyzed By:	TG
Prep Batch:	41059	Sample Preparation:	2008-04-23	Prepared By:	TG

Parameter	Flag	RL		Dilution	RL
		Result	Units		
TRPHC		11.0	mg/Kg	1	10.0

Sample: 157435 - Ce11 2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47698	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41018	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.917	mg/Kg	1	1.00	92	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.954	mg/Kg	1	1.00	95	89.7 - 139

Sample: 157435 - Ce11 2

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		32.7	mg/Kg	1	10.0

Sample: 157436 - Ce11 3

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.884	mg/Kg	1	1.00	88	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.913	mg/Kg	1	1.00	91	89.7 - 139

Sample: 157436 - Ce11 3

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL	Units	Dilution	RL
		Result			
TRPHC		10.3	mg/Kg	1	10.0

Sample: 157437 - Ce11 4

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.901	mg/Kg	1	1.00	90	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.928	mg/Kg	1	1.00	93	89.7 - 139

Sample: 157437 - Ce11 4

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		56.3	mg/Kg	1	10.0

Sample: 157438 - Ce11 5

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.950	mg/Kg	1	1.00	95	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	89.7 - 139

Sample: 157438 - Ce11 5

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		51.9	mg/Kg	1	10.0

Sample: 157439 - Ce11 6

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.936	mg/Kg	1	1.00	94	84.6 - 117
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	89.7 - 139

Sample: 157439 - Cell 6

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		28.2	mg/Kg	1	10.0

Sample: 157440 - Cell 7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.868	mg/Kg	1	1.00	87	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.908	mg/Kg	1	1.00	91	89.7 - 139

Sample: 157440 - Cell 7

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		61.5	mg/Kg	1	10.0

Sample: 157441 - Ce11 8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.874	mg/Kg	1	1.00	87	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.970	mg/Kg	1	1.00	97	89.7 - 139

Sample: 157441 - Ce11 8

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		33.9	mg/Kg	1	10.0

Sample: 157442 - Ce11 9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.870	mg/Kg	1	1.00	87	84.6 - 117
4-Bromofluorobenzene (4-BFB)	¹	0.871	mg/Kg	1	1.00	87	89.7 - 139

Sample: 157442 - Ce11 9

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

¹ Surrogate recovery outside control limits, but is within method limits.

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		55.6	mg/Kg	1	10.0

Sample: 157443 - Ce11 10

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.854	mg/Kg	1	1.00	85	84.6 - 117
4-Bromofluorobenzene (4-BFB)	²	0.862	mg/Kg	1	1.00	86	89.7 - 139

Sample: 157443 - Ce11 10

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 Sample Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		38.8	mg/Kg	1	10.0

Sample: 157444 - Ce11 11

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.926	mg/Kg	1	1.00	93	84.6 - 117

continued ...

²Surrogate recovery outside control limits, but is within method limits.

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.942	mg/Kg	1	1.00	94	89.7 - 139

Sample: 157444 - Ce11 11

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		35.0	mg/Kg	1	10.0

Sample: 157445 - Ce11 13

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	³	0.815	mg/Kg	1	1.00	82	84.6 - 117
4-Bromofluorobenzene (4-BFB)	⁴	0.846	mg/Kg	1	1.00	85	89.7 - 139

Sample: 157445 - Ce11 13

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		46.4	mg/Kg	1	10.0

Sample: 157446 - Ce11 14

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

³Surrogate recovery outside control limits, but is within method limits.

⁴Surrogate recovery outside control limits, but is within method limits.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁵	0.813	mg/Kg	1	1.00	81	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.905	mg/Kg	1	1.00	90	89.7 - 139

Sample: 157446 - Cell 14

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 157447 - Cell 15

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁶	0.796	mg/Kg	1	1.00	80	84.6 - 117
4-Bromofluorobenzene (4-BFB)	⁷	0.889	mg/Kg	1	1.00	89	89.7 - 139

Sample: 157447 - Cell 15

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		14.0	mg/Kg	1	10.0

⁵Surrogate recovery outside control limits, but is within method limits.

⁶Surrogate recovery outside control limits, but is within method limits.

⁷Surrogate recovery outside control limits, but is within method limits.

Sample: 157448 - Ce11 16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47698	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41018	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.890	mg/Kg	1	1.00	89	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.974	mg/Kg	1	1.00	97	89.7 - 139

Sample: 157448 - Ce11 16

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	47786	Date Analyzed:	2008-04-25	Analyzed By:	TG
Prep Batch:	41090	Sample Preparation:	2008-04-24	Prepared By:	TG

Parameter	Flag	RL		Units	Dilution	RL
		Result				
TRPHC		59.1		mg/Kg	1	10.0

Sample: 157449 - Ce11 17

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47698	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41018	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.862	mg/Kg	1	1.00	86	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.926	mg/Kg	1	1.00	93	89.7 - 139

Sample: 157449 - Ce11 17

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	47786	Date Analyzed:	2008-04-25	Analyzed By:	TG
Prep Batch:	41090	Sample Preparation:	2008-04-24	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		49.1	mg/Kg	1	10.0

Sample: 157450 - Ce11 18

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁸	0.820	mg/Kg	1	1.00	82	84.6 - 117
4-Bromofluorobenzene (4-BFB)		0.917	mg/Kg	1	1.00	92	89.7 - 139

Sample: 157450 - Ce11 18

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		44.7	mg/Kg	1	10.0

Sample: 157451 - Ce11 19

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 Sample Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁹	0.843	mg/Kg	1	1.00	84	84.6 - 117

continued ...

⁸Surrogate recovery outside control limits, but is within method limits.

⁹Surrogate recovery outside control limits, but is within method limits.

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.938	mg/Kg	1	1.00	94	89.7 - 139

Sample: 157451 - Ce11 19

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	47786	Date Analyzed:	2008-04-25	Analyzed By:	TG
Prep Batch:	41090	Sample Preparation:	2008-04-24	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		13.4	mg/Kg	1	10.0

Sample: 157452 - Ce11 21

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47696	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41017	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.37	mg/Kg	1	1.00	137	59.2 - 162

Sample: 157452 - Ce11 21

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	47786	Date Analyzed:	2008-04-25	Analyzed By:	TG
Prep Batch:	41090	Sample Preparation:	2008-04-24	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		21.4	mg/Kg	1	10.0

Sample: 157453 - Ce11 12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47696	Date Analyzed:	2008-04-22	Analyzed By:	MT
Prep Batch:	41017	Sample Preparation:	2008-04-22	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	1.00	136	59.2 - 162

Sample: 157453 - Ce11 12

Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 Sample Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		40.4	mg/Kg	1	10.0

Method Blank (1) QC Batch: 47696

QC Batch: 47696 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41017 QC Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.879	mg/Kg	1	1.00	88	70.4 - 111
4-Bromofluorobenzene (4-BFB)		0.465	mg/Kg	1	1.00	46	42.4 - 99.7

Method Blank (1) QC Batch: 47698

QC Batch: 47698 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41018 QC Preparation: 2008-04-22 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00193	mg/Kg	0.01
Toluene		<0.00268	mg/Kg	0.01
Ethylbenzene		<0.00488	mg/Kg	0.01

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Xylene		<0.00432	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.888	mg/Kg	1	1.00	89	71.1 - 107
4-Bromofluorobenzene (4-BFB)		0.928	mg/Kg	1	1.00	93	52.9 - 100

Method Blank (1) QC Batch: 47751

QC Batch: 47751 Date Analyzed: 2008-04-22 Analyzed By: TG
Prep Batch: 41059 QC Preparation: 2008-04-23 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Method Blank (1) QC Batch: 47786

QC Batch: 47786 Date Analyzed: 2008-04-25 Analyzed By: TG
Prep Batch: 41090 QC Preparation: 2008-04-24 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
TRPHC		<1.06	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 47696 Date Analyzed: 2008-04-22 Analyzed By: MT
Prep Batch: 41017 QC Preparation: 2008-04-22 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.989	mg/Kg	1	1.00	<0.00347	99	77.2 - 116
Toluene	0.989	mg/Kg	1	1.00	<0.00525	99	77.4 - 116
Ethylbenzene	0.972	mg/Kg	1	1.00	<0.00607	97	77.4 - 112
Xylene	2.92	mg/Kg	1	3.00	<0.00724	97	78.8 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.00	mg/Kg	1	1.00	<0.00347	100	77.2 - 116	1	20
Toluene	0.990	mg/Kg	1	1.00	<0.00525	99	77.4 - 116	0	20
Ethylbenzene	0.988	mg/Kg	1	1.00	<0.00607	99	77.4 - 112	2	20
Xylene	2.96	mg/Kg	1	3.00	<0.00724	99	78.8 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.01	0.974	mg/Kg	1	1.00	101	97	74.2 - 114
4-Bromofluorobenzene (4-BFB)	0.955	0.945	mg/Kg	1	1.00	96	94	75.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 47698
Prep Batch: 41018

Date Analyzed: 2008-04-22
QC Preparation: 2008-04-22

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.980	mg/Kg	1	1.00	<0.00193	98	78.7 - 107
Toluene	0.993	mg/Kg	1	1.00	<0.00268	99	80.3 - 107
Ethylbenzene	0.982	mg/Kg	1	1.00	<0.00488	98	80.9 - 107
Xylene	2.93	mg/Kg	1	3.00	<0.00432	98	84 - 102

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.02	mg/Kg	1	1.00	<0.00193	102	78.7 - 107	4	20
Toluene	1.03	mg/Kg	1	1.00	<0.00268	103	80.3 - 107	4	20
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00488	102	80.9 - 107	4	20
Xylene	3.04	mg/Kg	1	3.00	<0.00432	101	84 - 102	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.968	0.946	mg/Kg	1	1.00	97	95	80.6 - 115
4-Bromofluorobenzene (4-BFB)	0.969	0.958	mg/Kg	1	1.00	97	96	84.3 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 47751
Prep Batch: 41059

Date Analyzed: 2008-04-22
QC Preparation: 2008-04-23

Analyzed By: TG
Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	277	mg/Kg	1	250	<1.06	111	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	301	mg/Kg	1	250	<1.06	120	75.5 - 136	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47786
Prep Batch: 41090

Date Analyzed: 2008-04-25
QC Preparation: 2008-04-24

Analyzed By: TG
Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	270	mg/Kg	1	250	<1.06	108	75.5 - 136

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	281	mg/Kg	1	250	<1.06	112	75.5 - 136	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157454

QC Batch: 47696
Prep Batch: 41017

Date Analyzed: 2008-04-22
QC Preparation: 2008-04-22

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.00	mg/Kg	1	1.00	<0.00347	100	10 - 159
Toluene	1.07	mg/Kg	1	1.00	<0.00525	107	10 - 170
Ethylbenzene	1.19	mg/Kg	1	1.00	<0.00607	119	10 - 181
Xylene	3.63	mg/Kg	1	3.00	<0.00724	121	10 - 184

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.07	mg/Kg	1	1.00	<0.00347	107	10 - 159	7	20
Toluene	1.15	mg/Kg	1	1.00	<0.00525	115	10 - 170	7	20
Ethylbenzene	1.26	mg/Kg	1	1.00	<0.00607	126	10 - 181	6	20
Xylene	3.85	mg/Kg	1	3.00	<0.00724	128	10 - 184	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹⁰ 1.22	¹¹ 1.22	mg/Kg	1	1	122	122	66.1 - 117
4-Bromofluorobenzene (4-BFB)	¹² 1.49	1.44	mg/Kg	1	1	149	144	63.8 - 146

Matrix Spike (MS-1) Spiked Sample: 157265

QC Batch: 47698
Prep Batch: 41018

Date Analyzed: 2008-04-22
QC Preparation: 2008-04-22

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.852	mg/Kg	1	1.00	<0.00193	85	10 - 144
Toluene	0.913	mg/Kg	1	1.00	<0.00268	91	10 - 154
Ethylbenzene	0.962	mg/Kg	1	1.00	<0.00488	96	10 - 169
Xylene	2.90	mg/Kg	1	3.00	<0.00432	97	10 - 176

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

¹⁰Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹²Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	¹³	1.12	mg/Kg	1	1.00	<0.00193	112	10 - 144	27	20
Toluene	¹⁴	1.19	mg/Kg	1	1.00	<0.00268	119	10 - 154	26	20
Ethylbenzene	¹⁵	1.25	mg/Kg	1	1.00	<0.00488	125	10 - 169	26	20
Xylene	¹⁶	3.76	mg/Kg	1	3.00	<0.00432	125	10 - 176	26	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.961	1.00	mg/Kg	1	1	96	100	75.9 - 121
4-Bromofluorobenzene (4-BFB)	0.950	1.02	mg/Kg	1	1	95	102	70.8 - 149

Matrix Spike (MS-1) Spiked Sample: 157436

QC Batch: 47751
Prep Batch: 41059

Date Analyzed: 2008-04-22
QC Preparation: 2008-04-23

Analyzed By: TG
Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	349	mg/Kg	1	250	10.3	135	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	393	mg/Kg	1	250	10.3	153	10 - 354	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157446

QC Batch: 47786
Prep Batch: 41090

Date Analyzed: 2008-04-25
QC Preparation: 2008-04-24

Analyzed By: TG
Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	335	mg/Kg	1	250	6.7	131	10 - 354

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC	349	mg/Kg	1	250	6.7	137	10 - 354	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 47696

Date Analyzed: 2008-04-22

Analyzed By: MT

¹³Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹⁴Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹⁵Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹⁶Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.100	100	85 - 115	2008-04-22
Toluene		mg/Kg	0.100	0.0991	99	85 - 115	2008-04-22
Ethylbenzene		mg/Kg	0.100	0.0988	99	85 - 115	2008-04-22
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2008-04-22

Standard (CCV-1)

QC Batch: 47696

Date Analyzed: 2008-04-22

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	85 - 115	2008-04-22
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2008-04-22
Ethylbenzene		mg/Kg	0.100	0.103	103	85 - 115	2008-04-22
Xylene		mg/Kg	0.300	0.310	103	85 - 115	2008-04-22

Standard (ICV-1)

QC Batch: 47698

Date Analyzed: 2008-04-22

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.101	101	85 - 115	2008-04-22
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2008-04-22
Ethylbenzene		mg/Kg	0.100	0.102	102	85 - 115	2008-04-22
Xylene		mg/Kg	0.300	0.307	102	85 - 115	2008-04-22

Standard (CCV-1)

QC Batch: 47698

Date Analyzed: 2008-04-22

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0930	93	85 - 115	2008-04-22
Toluene		mg/Kg	0.100	0.0941	94	85 - 115	2008-04-22
Ethylbenzene		mg/Kg	0.100	0.0936	94	85 - 115	2008-04-22
Xylene		mg/Kg	0.300	0.282	94	85 - 115	2008-04-22

Standard (ICV-1)

QC Batch: 47751

Date Analyzed: 2008-04-22

Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	118	118	80 - 120	2008-04-22

Standard (CCV-1)

QC Batch: 47751

Date Analyzed: 2008-04-22

Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	118	118	80 - 120	2008-04-22

Standard (CCV-2)

QC Batch: 47751

Date Analyzed: 2008-04-22

Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	119	119	80 - 120	2008-04-22

Standard (ICV-1)

QC Batch: 47786

Date Analyzed: 2008-04-25

Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	117	117	80 - 120	2008-04-25

Standard (CCV-1)

QC Batch: 47786

Date Analyzed: 2008-04-25

Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	117	117	80 - 120	2008-04-25

Standard (CCV-2)

QC Batch: 47786

Date Analyzed: 2008-04-25

Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	119	119	80 - 120	2008-04-25

TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com		155 McCulloch, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443										
Company Name: <u>Candy Marley Inc.</u> Phone #: <u>575-347-0434</u> Address: <u>PO Box 1658 Roswell, NM 88202</u> Fax #: <u>575-347-0435</u> Contact Person: <u>Bill Marley Project Manager</u> Email: <u>GMI@dm.com</u> Invoice to: <u>Bill Marley Project Manager</u>		Project Name: <u>1st Quarter Soil Sampling 2008</u> Project Location: <u>Sec. 4, 5, 8, 9 T.11.S. R31.E. 4, NW 1/4</u>										
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME/AMOUNT	PRESERVATIVE METHOD					SAMPLING DATE	TIME		
				WATER	SOIL	AIR	SLUDGE	HCl			HNO ₃	H ₂ SO ₄
157434	Cell 1	1	4oz	X							04/17/08 0953	XX
435	Cell 2	1	4oz								0945	
436	Cell 3	1	4oz								1000	
437	Cell 4	1	4oz								1005	
438	Cell 5	1	4oz								1014	
439	Cell 6	1	4oz								1015	
440	Cell 7	1	4oz								1045	
441	Cell 8	1	4oz								1050	
442	Cell 9	1	4oz								1055	
443	Cell 10	1	4oz								1100	
444	Cell 11	1	4oz								1105	
Requisitioned by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:
<u>[Signature]</u>	<u>4/18/08</u>	<u>10:00</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>
Requisitioned by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:
<u>[Signature]</u>	<u>4/18/08</u>	<u>10:00</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>
Requisitioned by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:	Received by:
<u>[Signature]</u>	<u>4/18/08</u>	<u>10:00</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>	<u>4-19-08</u>	<u>11am</u>	<u>[Signature]</u>

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 8042112

ANALYSIS REQUEST

(Circle or Specify Method No.)

TX 1005 Extended (C35)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
ACI	
GC/MS Vol 8260B/624	
GC/MS Semi Vol. 8270C/625	
PCBs 8082/608	
Pesticides 8081A/608	
BOD TSS, pH	
Moisture Content	
Turn Around Time if different from standard	

LAB USE ONLY

Intact ☒ Y / ☐ N
 Headspace ☒ Y / ☐ N
 Temp 20
 Log-in Review PR

REMARKS:

Please send Copy of Resy 173 ASAP to CMB Enviro @ dm.com

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # PLS MNC 58465

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com		155 McCutcheon Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 586-3443	
Company Name: <u>Candy Merkey Inc.</u> Phone #: <u>575-347-0434</u> Address: <u>PO Box 1658 Roswell, NM 88202</u> Fax #: <u>575-347-0435</u> Contact Person: <u>Bill Merkey Project Manager</u> Email: <u>GMLe@tm.com</u> Invoice to: <u>(If different from above)</u>		Project Name: <u>1st Quarter Soil Sampling 2008</u> Project Location: <u>Sec. 4, 5, 8, 9 T11S, R31E, N40E</u> Sampler Signature: <u>[Signature]</u>	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	MATRIX				PRESERVATIVE METHOD					SAMPLING		TIME
			WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	DATE		
157445	Cell 13	1	X										04/16/08	1120
446	Cell 14	1											1130	
447	Cell 15	1											1135	
448	Cell 16	1											1145	
449	Cell 17	1											1210	
450	Cell 18	1											1150	
451	Cell 19	1											1200	
452	Cell 21	1											1110	
453	Cell 12	1												

Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u>	Received by: <u>[Signature]</u> Date: <u>4-16-08</u> Time: <u>11AM</u>
Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u>	Received by: <u>[Signature]</u> Date: <u>4-16-08</u> Time: <u>11AM</u>
Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u>	Received by: <u>[Signature]</u> Date: <u>4-16-08</u> Time: <u>11AM</u>

Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u> Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u> Relinquished by: <u>[Signature]</u> Date: <u>04/16/08</u> Time: <u>10:00</u>		Received at Laboratory by: <u>[Signature]</u> Date: <u>4-16-08</u> Time: <u>11AM</u> Date: <u>4-16-08</u> Time: <u>11AM</u> Date: <u>4-16-08</u> Time: <u>11AM</u>
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Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 8042112

ANALYSIS REQUEST

(Circle or Specify Method No.)

☐ TX 1005 Extended (C35)	☐ Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	☐ TCLP Volatiles	☐ TCLP Semi Volatiles	☐ TCLP Pesticides	☐ FCI	☐ GC/MS Vol. 8260B/624	☐ GC/MS Semi Vol. 8270C/625	☐ PCB's 8082/608	☐ Pesticides 8081A/608	☐ BOD, TSS, pH	☐ Moisture Content	☐ Hold
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LAB USE ONLY

Intact Q / N
 Headspace Y / N
 Temp 2°
 Log-in Review [Signature]

REMARKS: Please send copy of Results App to Candee Viro @ Ldn, Cam

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check if Special Reporting Limits Are Needed

Carrier # BUS 52465