

NM1 - ____19____

MONITORING REPORT

YEAR(S):

____2010____

February 15, 2011
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

RECEIVED OCD
2011 FEB 16 P 12:46

**Re: Submittal of Annual Monitoring Report for Year 2010
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.

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:

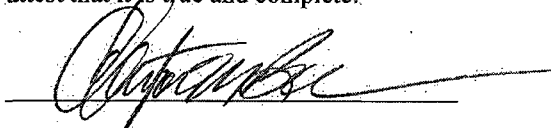
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **February 15, 2011**

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. 12/31/11

Date:

02/15/2011

- 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 Solinst 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 2010 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 (≤ 250 mg/Kg TPH) in all cells with the exception of cell 16 with a concentration of 391 mg/Kg TPH and cell 2 with a concentration of 536 mg/Kg TPH. Chloride concentrations are above 250 mg/Kg in all cells with the exception of Cell #'s 11 & 12. Cells with elevated chloride concentrations are cells which had previously accepted salt contaminated soils and drilling mud produced from oil and gas activities in northern Lea and Chaves counties prior to revised New Mexico NMOCD pit rules. 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 Solinst 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

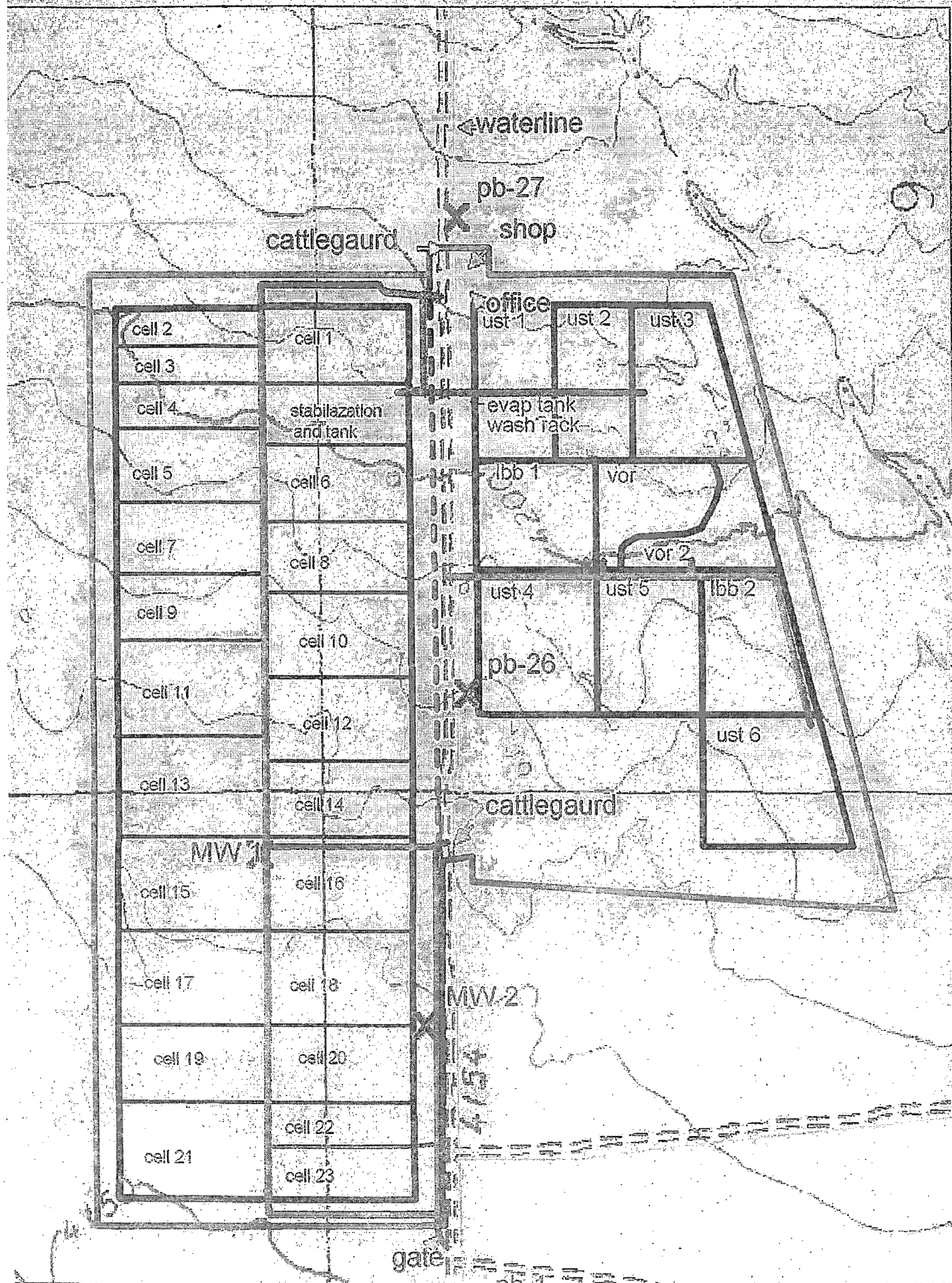
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

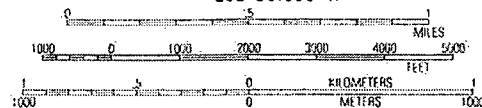
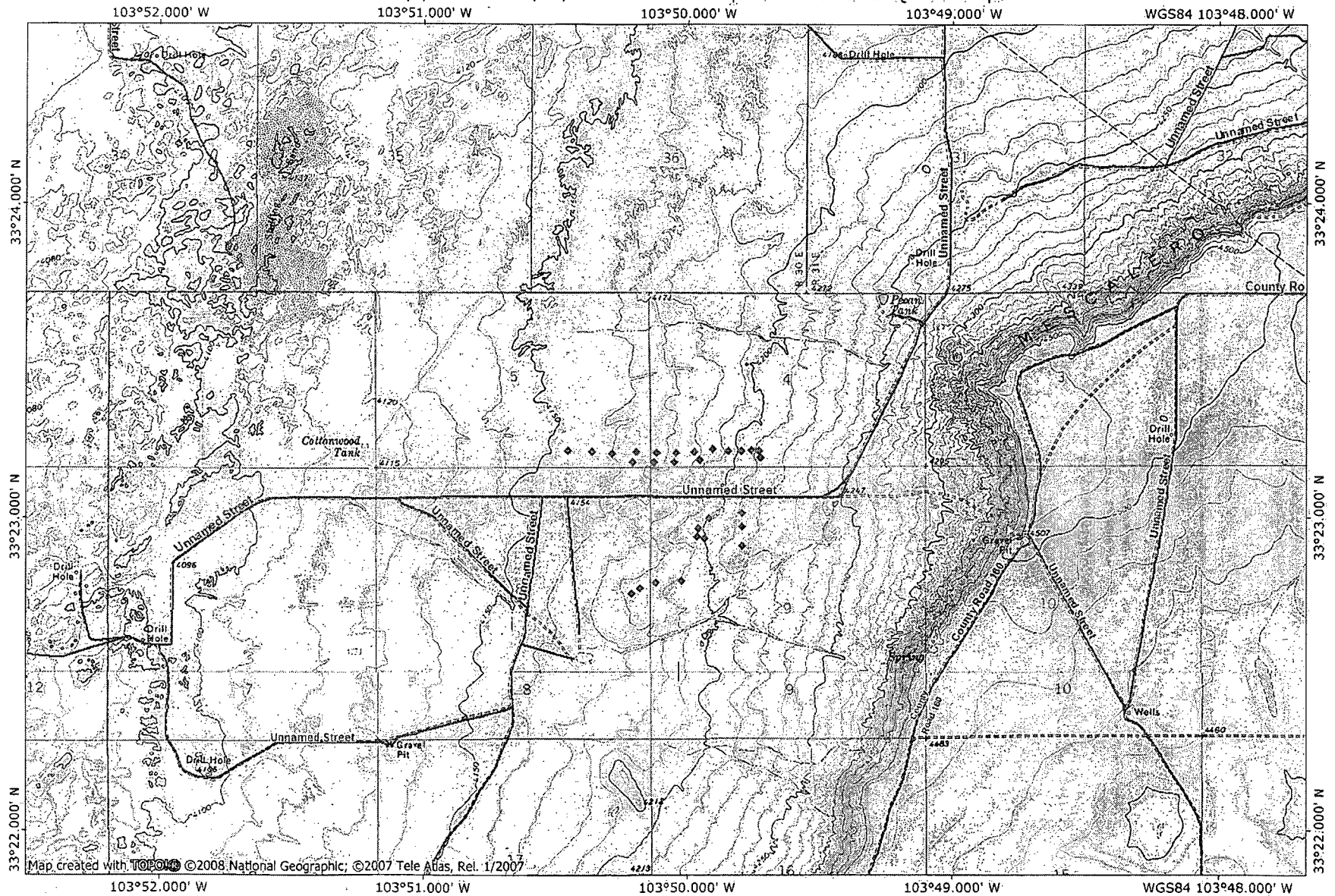
Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Figures:

1



TOPO! map printed on 12/15/10 from "TOPO Map NMOCD Side 4th Qtr. 2010.tpo"



TN MN
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02/15/11

Summary Report

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

Report Date: January 19, 2011

Work Order: 11010303



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: 2010 Year End Soil Sampling (NM 711-1-0020)

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254566	Cell 1	soil	2010-12-31	10:40	2011-01-03
254567	Cell 2	soil	2010-12-31	10:50	2011-01-03
254568	Cell 3	soil	2010-12-31	11:10	2011-01-03
254569	Cell 4	soil	2010-12-31	11:20	2011-01-03
254570	Cell 5	soil	2010-12-31	11:30	2011-01-03
254571	Cell 7	soil	2010-12-31	11:40	2011-01-03
254572	Cell 9	soil	2010-12-31	11:50	2011-01-03
254573	Cell 10	soil	2010-12-31	12:00	2011-01-03
254574	Cell 11	soil	2010-12-31	12:10	2011-01-03
254575	Cell 12	soil	2010-12-31	12:20	2011-01-03
254576	Cell 13	soil	2010-12-31	12:35	2011-01-03
254577	Cell 14	soil	2010-12-31	12:45	2011-01-03
254578	Cell 15	soil	2010-12-31	12:55	2011-01-03
254579	Cell 16	soil	2010-12-31	13:05	2011-01-03
254580	Cell 17	soil	2010-12-31	13:20	2011-01-03
254581	Cell 19	soil	2010-12-31	13:35	2011-01-03
254582	Cell 21	soil	2010-12-31	13:45	2011-01-03

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)
254566 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	227
254567 - Cell 2	<0.0400	<0.0400	<0.0400	<0.0400		536
254568 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		98.9
254569 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254570 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		126
254571 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254572 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254573 - Cell 10	<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)
254574 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254575 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254576 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254577 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254578 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		69.4
254579 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		391
254580 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254581 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
254582 - Cell 21	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

Sample: 254566 - 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		111	mg/Kg as CaCo3	4.00
Total Alkalinity		111	mg/Kg as CaCo3	4.00
Total Calcium		102000	mg/Kg	0.500
Chloride		588	mg/Kg	10.0
Specific Conductance		1450	uMHOS/cm	0.00
Total Potassium		1160	mg/Kg	50.0
Total Magnesium		3560	mg/Kg	0.500
Total Sodium		560	mg/Kg	50.0
pH		8.12	s.u.	2.00
Sulfate		527	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.567	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: 254567 - 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		125	mg/Kg as CaCo3	4.00
Total Alkalinity		125	mg/Kg as CaCo3	4.00
Total Calcium		82800	mg/Kg	0.500
Chloride		2310	mg/Kg	10.0
Specific Conductance		6530	uMHOS/cm	0.00

continued ...

sample 254567 continued ...

Param	Flag	Result	Units	RL
Total Potassium		1480	mg/Kg	50.0
Total Magnesium		3900	mg/Kg	0.500
Total Sodium		3480	mg/Kg	50.0
pH		7.65	s.u.	2.00
Sulfate		431	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.552	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: 254568 - 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		102	mg/Kg as CaCo3	4.00
Total Alkalinity		102	mg/Kg as CaCo3	4.00
Total Calcium		71000	mg/Kg	0.500
Chloride		536	mg/Kg	10.0
Specific Conductance		2200	uMHOS/cm	0.00
Total Potassium		1050	mg/Kg	50.0
Total Magnesium		4370	mg/Kg	0.500
Total Sodium		1020	mg/Kg	50.0
pH		8.20	s.u.	2.00
Sulfate		512	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.491	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: 254569 - 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		80.0	mg/Kg as CaCo3	4.00

continued ...

sample 254569 continued ...

Param	Flag	Result	Units	RL
Total Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Calcium		48400	mg/Kg	0.500
Chloride		1610	mg/Kg	10.0
Specific Conductance		4940	uMHOS/cm	0.00
Total Potassium		1610	mg/Kg	50.0
Total Magnesium		4350	mg/Kg	0.500
Total Sodium		1010	mg/Kg	50.0
pH		7.77	s.u.	2.00
Sulfate		3320	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.246	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: 254570 - 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		80.0	mg/Kg as CaCo3	4.00
Total Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Calcium		25000	mg/Kg	0.500
Chloride		1000	mg/Kg	10.0
Specific Conductance		3430	uMHOS/cm	0.00
Total Potassium		1260	mg/Kg	50.0
Total Magnesium		2980	mg/Kg	0.500
Total Sodium		426	mg/Kg	50.0
pH		7.85	s.u.	2.00
Sulfate		245	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.629	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: 254571 - 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		90.0	mg/Kg as CaCo3	4.00
Total Alkalinity		90.0	mg/Kg as CaCo3	4.00
Total Calcium		65100	mg/Kg	0.500
Chloride		816	mg/Kg	10.0
Specific Conductance		2830	uMHOS/cm	0.00
Total Potassium		1140	mg/Kg	50.0
Total Magnesium		3370	mg/Kg	0.500
Total Sodium		282	mg/Kg	50.0
pH		7.85	s.u.	2.00
Sulfate		105	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.14	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: 254572 - 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		70.0	mg/Kg as CaCo3	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Calcium		32300	mg/Kg	0.500
Chloride		543	mg/Kg	10.0
Specific Conductance		2850	uMHOS/cm	0.00
Total Potassium		1770	mg/Kg	50.0
Total Magnesium		3660	mg/Kg	0.500
Total Sodium		154	mg/Kg	50.0
pH		7.89	s.u.	2.00
Sulfate		478	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.488	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: 254573 - Cell 10

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.

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		20.8	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		20.8	mg/Kg as CaCo3	4.00
Total Alkalinity		41.6	mg/Kg as CaCo3	4.00
Total Calcium		19400	mg/Kg	0.500
Chloride		252	mg/Kg	10.0
Specific Conductance		748	uMHOS/cm	0.00
Total Potassium		430	mg/Kg	50.0
Total Magnesium		2330	mg/Kg	0.500
Total Sodium		176	mg/Kg	50.0
pH		8.39	s.u.	2.00
Sulfate		69.0	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.641	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: 254574 - 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		70.0	mg/Kg as CaCo3	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Calcium		147000	mg/Kg	0.500
Chloride		117	mg/Kg	10.0
Specific Conductance		914	uMHOS/cm	0.00
Total Potassium		798	mg/Kg	50.0
Total Magnesium		4960	mg/Kg	0.500
Total Sodium		154	mg/Kg	50.0
pH		8.08	s.u.	2.00
Sulfate		322	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.501	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: 254575 - Cell 12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		20.0	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Calcium		41200	mg/Kg	0.500
Chloride		59.2	mg/Kg	10.0
Specific Conductance		1230	uMHOS/cm	0.00
Total Potassium		1390	mg/Kg	50.0
Total Magnesium		3320	mg/Kg	0.500
Total Sodium		259	mg/Kg	50.0
pH		8.16	s.u.	2.00
Sulfate		425	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.325	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: 254576 - 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		40.0	mg/Kg as CaCo3	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	4.00
Total Calcium		2340	mg/Kg	0.500
Chloride		414	mg/Kg	10.0
Specific Conductance		2430	uMHOS/cm	0.00
Total Potassium		1700	mg/Kg	50.0
Total Magnesium		2820	mg/Kg	0.500
Total Sodium		421	mg/Kg	50.0
pH		7.94	s.u.	2.00
Sulfate		1190	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.234	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: 254577 - 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		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		30900	mg/Kg	0.500
Chloride		1090	mg/Kg	10.0
Specific Conductance		2850	uMHOS/cm	0.00
Total Potassium		1180	mg/Kg	50.0
Total Magnesium		3440	mg/Kg	0.500
Total Sodium		363	mg/Kg	50.0
pH		8.00	s.u.	2.00
Sulfate		1860	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.206	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: 254578 - Cell 15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity	1	<50.0	mg/Kg as CaCo3	1.00
Carbonate Alkalinity	2	3000	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity	3	1500	mg/Kg as CaCo3	4.00
Total Alkalinity	4	4500	mg/Kg as CaCo3	4.00
Total Calcium		95100	mg/Kg	0.500
Chloride		798	mg/Kg	10.0
Specific Conductance		2230	uMHOS/cm	0.00
Total Potassium		887	mg/Kg	50.0
Total Magnesium		2970	mg/Kg	0.500
Total Sodium		1740	mg/Kg	50.0
pH		8.78	s.u.	2.00
Sulfate		445	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.944	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

¹Results could be biased high due to matrix interference. •²Results could be biased high due to matrix interference. •³Results could be biased high due to matrix interference. •⁴Results could be biased high due to matrix interference. •

Sample: 254579 - 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		40.0	mg/Kg as CaCo3	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	4.00
Total Calcium		29100	mg/Kg	0.500
Chloride		852	mg/Kg	10.0
Specific Conductance		4410	uMHOS/cm	0.00
Total Potassium		814	mg/Kg	50.0
Total Magnesium		2310	mg/Kg	0.500
Total Sodium		795	mg/Kg	50.0
pH		7.85	s.u.	2.00
Sulfate		3940	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.258	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: 254580 - 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		70.0	mg/Kg as CaCo3	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	4.00
Total Calcium		47600	mg/Kg	0.500
Chloride		1860	mg/Kg	10.0
Specific Conductance		5620	uMHOS/cm	0.00
Total Potassium		1240	mg/Kg	50.0
Total Magnesium		3720	mg/Kg	0.500
Total Sodium		620	mg/Kg	50.0
pH		7.75	s.u.	2.00
Sulfate		1310	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.320	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: 254581 - 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		40.0	mg/Kg as CaCo3	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	4.00
Total Calcium		8540	mg/Kg	0.500
Chloride		693	mg/Kg	10.0
Specific Conductance		2540	uMHOS/cm	0.00
Total Potassium		1490	mg/Kg	50.0
Total Magnesium		2810	mg/Kg	0.500
Total Sodium		540	mg/Kg	50.0
pH		7.99	s.u.	2.00
Sulfate		368	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.974	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: 254582 - 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		87.5	mg/Kg as CaCo3	4.00
Total Alkalinity		87.5	mg/Kg as CaCo3	4.00
Total Calcium		36900	mg/Kg	0.500
Chloride		1280	mg/Kg	10.0
Specific Conductance		2990	uMHOS/cm	0.00
Total Potassium		2320	mg/Kg	50.0
Total Magnesium		5870	mg/Kg	0.500
Total Sodium		696	mg/Kg	50.0
pH		7.85	s.u.	2.00
Sulfate		110	mg/Kg	25.0
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		0.601	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, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals. Soil Samples were collected in two 4 ounce glass jars 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

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Location GMI Land Farm Date 12/31/2010Project / Client Year End Soil Sampling 2010By: OMB Environmental & Geological Services, Inc.

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Cell #	Time	GPS Coordinates	Remarks
1	10:40	33.38640 N 103.82866 W	Tan brown clayey sand w/ white calc. No odor or staining
2	10:50	33.38683 N 103.82881 W	Tan brown clayey sand w/ white calc. No odor or staining
3	11:10	33.38688 N 103.82929 W	"Same as above"
4	11:20	33.38686 103.82993	Tan brown clayey sand with 10% Caliche. No odor or staining
5	11:30	33.38687 103.83073	Brown clayey sand No odor or staining
7	11:40	33.38694 103.83174	Brown clayey sand No odor or staining
8	11:50	33.38680 103.83289	"Same as above"
10	12:00	33.38638 103.83256	Gray-Green and Red med. gr. well sorted sand mixture. No odor or staining
11	12:10	33.38676 103.83405	"Same as above"
12	12:20	33.38626 103.83418	Red Brown med. gr. well sorted clayey sand No odor or staining

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Location GMI Land Farm Date 12/31/10Project / Client Year End Soil Sampling 2010By: OMB Environmental & Geological Services, Inc.

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Cell #	Time	GPS Coordinates	Remarks
13	12:35	33.38673 N 103.83526 W	Red clayey med. gr. well sorted sand. No odor or staining
14	12:45	33.38624 103.83546	Brown clayey sand No odor or staining
15	12:55	33.38679 103.83656	Brown-Tan white very clayey sand with 10% Caliche. No odor or staining
16	13:05	33.38628 103.83677	Brown clayey sand - med. gr. No odor or staining
17	13:20	33.38668 103.83807	"Same as above w/ 10% Caliche"
19	13:35	33.38682 103.83934	Red clayey med. gr. well sorted sand - No odor or staining
21	13:45	33.38687 103.84084	"Same as above"

all samples 2x 4oz Glass Jars

No preservation For BTEX and

TPH 418.1, TCLP metals, Na, Ca, Mg,

K, Cl, SO₄, CO₃, HCO₃, pH,

CONDUCTIVITY, TOTAL ALKALINITY

**GMI Landfarm, Chaves Co., NM, Downloaded GPS Coordinates of Soil Sampling Locations
12/31/10 By: Clayton M. Barnhill, PG**

Cell #: GPS Coordinates: Date: Time:

Cell 01,33,23.192,-103,49.721,4236,12/31/2010,03:43:03,

Cell 02,33,23.210,-103,49.729,4242,12/31/2010,03:56:35,

Cell 03,33,23.212,-103,49.757,4236,12/31/2010,04:11:31,

Cell 04,33,23.212,-103,49.796,4216,12/31/2010,04:19:33,

Cell 05,33,23.212,-103,49.844,4209,12/31/2010,04:29:58,

Cell 07,33,23.216,-103,49.905,4209,12/31/2010,04:44:02,

Cell 09, 33,23.208,-103,49.974,4193,12/31/2010,04:54:37,

Cell 10,33,23.183,-103,49.953,4190,12/31/2010,05:05:18,

Cell 11,33,23.206,-103,50.043,4177,12/31/2010,05:16:34,

Cell 12,33,23.176,-103,50.051,4190,12/31/2010,05:24:24,

Cell 13,33,23.204,-103,50.115,4183,12/31/2010,05:37:08,

Cell 14,33,23.175,-103,50.127,4170,12/31/2010,05:45:02,

Cell 15,33,23.207,-103,50.193,4183,12/31/2010,05:57:42,

Cell 16,33,23.177,-103,50.206,4170,12/31/2010,06:10:11,

Cell 17,33,23.201,-103,50.284,4160,12/31/2010,06:24:34,

Cell 19,33,23.209,-103,50.361,4144,12/31/2010,06:35:40,

Cell 21,33,23.212,-103,50.450,4154,12/31/2010,06:45:10,

Appendix 3

TRACE ANALYSIS, INC.

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

Certifications

WBENC: 237019

HUB: 1752439743100-86536
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

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

Report Date: January 19, 2011

Work Order: 11010303



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: 2010 Year End Soil Sampling (NM 711-1-0020)

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
254566	Cell 1	soil	2010-12-31	10:40	2011-01-03
254567	Cell 2	soil	2010-12-31	10:50	2011-01-03
254568	Cell 3	soil	2010-12-31	11:10	2011-01-03
254569	Cell 4	soil	2010-12-31	11:20	2011-01-03
254570	Cell 5	soil	2010-12-31	11:30	2011-01-03
254571	Cell 7	soil	2010-12-31	11:40	2011-01-03
254572	Cell 9	soil	2010-12-31	11:50	2011-01-03
254573	Cell 10	soil	2010-12-31	12:00	2011-01-03
254574	Cell 11	soil	2010-12-31	12:10	2011-01-03
254575	Cell 12	soil	2010-12-31	12:20	2011-01-03

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254576	Cell 13	soil	2010-12-31	12:35	2011-01-03
254577	Cell 14	soil	2010-12-31	12:45	2011-01-03
254578	Cell 15	soil	2010-12-31	12:55	2011-01-03
254579	Cell 16	soil	2010-12-31	13:05	2011-01-03
254580	Cell 17	soil	2010-12-31	13:20	2011-01-03
254581	Cell 19	soil	2010-12-31	13:35	2011-01-03
254582	Cell 21	soil	2010-12-31	13:45	2011-01-03

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 105 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.

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2011-01-03 and assigned to work order 11010303. Samples for work order 11010303 were received intact at a temperature of 6.2 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	66035	2011-01-19 at 11:24	76990	2011-01-19 at 11:24
Alkalinity	SM 2320B	66036	2011-01-19 at 11:44	76991	2011-01-19 at 11:45
BTEX	S 8021B	65768	2011-01-05 at 15:35	76699	2011-01-05 at 15:35
BTEX	S 8021B	65771	2011-01-05 at 15:26	76703	2011-01-05 at 15:26
Ca, Total	S 6010C	65757	2011-01-05 at 10:31	76728	2011-01-07 at 08:59
Ca, Total	S 6010C	65757	2011-01-05 at 10:31	76729	2011-01-07 at 09:02
Chloride (IC)	E 300.0	65776	2011-01-04 at 12:00	76708	2011-01-05 at 16:56
Chloride (IC)	E 300.0	65777	2011-01-04 at 12:11	76709	2011-01-05 at 21:35
Chloride (IC)	E 300.0	65800	2011-01-04 at 10:50	76741	2011-01-06 at 18:29
Chloride (IC)	E 300.0	65803	2011-01-04 at 11:07	76744	2011-01-06 at 23:07
Conductivity	SM 2510B	65786	2011-01-04 at 15:21	76720	2011-01-06 at 15:21
Conductivity	SM 2510B	65788	2011-01-04 at 15:27	76722	2011-01-06 at 15:28
K, Total	S 6010C	65757	2011-01-05 at 10:31	76728	2011-01-07 at 08:59
K, Total	S 6010C	65757	2011-01-05 at 10:31	76729	2011-01-07 at 09:02
Mg, Total	S 6010C	65757	2011-01-05 at 10:31	76728	2011-01-07 at 08:59
Mg, Total	S 6010C	65757	2011-01-05 at 10:31	76729	2011-01-07 at 09:02
MTBE	S 8021B	65771	2011-01-05 at 15:26	76703	2011-01-05 at 15:26
Na, Total	S 6010C	65757	2011-01-05 at 10:31	76728	2011-01-07 at 08:59
Na, Total	S 6010C	65757	2011-01-05 at 10:31	76729	2011-01-07 at 09:02
pH	SM 4500-H+	65797	2011-01-07 at 10:22	76735	2011-01-07 at 10:23
pH	SM 4500-H+	65798	2011-01-07 at 10:27	76739	2011-01-07 at 10:27
SO4 (IC)	E 300.0	65776	2011-01-04 at 12:00	76708	2011-01-05 at 16:56
SO4 (IC)	E 300.0	65777	2011-01-04 at 12:11	76709	2011-01-05 at 21:35
SO4 (IC)	E 300.0	65800	2011-01-04 at 10:50	76741	2011-01-06 at 18:29
SO4 (IC)	E 300.0	65803	2011-01-04 at 11:07	76744	2011-01-06 at 23:07
SO4 (IC)	E 300.0	65892	2011-01-10 at 12:27	76840	2011-01-11 at 12:54
TCLP Ag	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Ag	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP As	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP As	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP Ba	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Ba	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP Cd	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Cd	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP Cr	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Cr	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP Hg	S 7470A	65789	2011-01-06 at 15:18	76723	2011-01-06 at 17:28
TCLP Hg	S 7470A	65789	2011-01-06 at 15:18	76724	2011-01-06 at 17:30
TCLP Pb	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Pb	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44
TCLP Se	S 6010C	65772	2011-01-06 at 09:28	76713	2011-01-06 at 14:41
TCLP Se	S 6010C	65772	2011-01-06 at 09:28	76714	2011-01-06 at 14:44

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
TPH 418.1	E 418.1	65813	2011-01-07 at 12:30	76755	2011-01-07 at 12:58

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 11010303 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: 254566 - Cell 1

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		111	mg/Kg as CaCo3	1	4.00
Total Alkalinity		111	mg/Kg as CaCo3	1	4.00

Sample: 254566 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.0200	mg/Kg	1	0.0200
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)		2.13	mg/Kg	1	2.00	106	76.1 - 106
4-Bromofluorobenzene (4-BFB)		2.12	mg/Kg	1	2.00	106	73.8 - 110

Sample: 254566 - Cell 1

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation:

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

continued ...

Report Date: January 19, 2011
2010 Year End Soil Sampling (NM 711-1-0020)

Work Order: 11010303
GMI Landfarm

Page Number: 6 of 105
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

sample 254566 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		102000	mg/Kg	10	0.500

Sample: 254566 - Cell 1

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		588	mg/Kg	2	10.0

Sample: 254566 - Cell 1

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1450	uMHOS/cm	1	0.00

Sample: 254566 - Cell 1

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1160	mg/Kg	1	50.0

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Sample: 254566 - Cell 1

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	S 3050B
Analysis:	Mg, Total	Date Analyzed:	2011-01-07	Analyzed By:	RR
QC Batch:	76728	Sample Preparation:	2011-01-05	Prepared By:	KV
Prep Batch:	65757				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3560	mg/Kg	1	0.500

Sample: 254566 - Cell 1

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2011-01-07	Analyzed By:	RR
QC Batch:	76728	Sample Preparation:	2011-01-05	Prepared By:	KV
Prep Batch:	65757				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		560	mg/Kg	1	50.0

Sample: 254566 - Cell 1

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2011-01-07	Analyzed By:	CB
QC Batch:	76735	Sample Preparation:		Prepared By:	CB
Prep Batch:	65797				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.12	s.u.	1	2.00

Sample: 254566 - Cell 1

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-06	Analyzed By:	PG
QC Batch:	76741	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65800				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		527	mg/Kg	2	25.0

Sample: 254566 - Cell 1

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76713

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76723

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.567	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: 254566 - Cell 1

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

Prep Method: N/A

Analyzed By: DS

Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		227	mg/Kg	1	10.0

Sample: 254567 - Cell 2

Laboratory: Lubbock

Analysis: Alkalinity

QC Batch: 76990

Prep Batch: 66035

Analytical Method: SM 2320B

Date Analyzed: 2011-01-19

Sample Preparation:

Prep Method: N/A

Analyzed By: CB

Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00

continued ...

sample 254567 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
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: 254567 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	<0.0400	mg/Kg	2	0.0200
Toluene		<0.0400	mg/Kg	2	0.0200
Ethylbenzene		<0.0400	mg/Kg	2	0.0200
Xylene		<0.0400	mg/Kg	2	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.04	mg/Kg	2	4.00	101	76.1 - 106
4-Bromofluorobenzene (4-BFB)		4.22	mg/Kg	2	4.00	106	73.8 - 110

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		82800	mg/Kg	10	0.500

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

¹ Sample dilution necessitated due to the presence of surfactants in sample.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2310	mg/Kg	10	10.0

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		6530	uMHOS/cm	1	0.00

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1480	mg/Kg	1	50.0

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3900	mg/Kg	1	0.500

Sample: 254567 - Cell 2

Laboratory: Lubbock
Analysis: Na, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		3480	mg/Kg	1	50.0

Sample: 254567 - Cell 2

Laboratory: Lubbock

Analysis: pH

QC Batch: 76735

Prep Batch: 65797

Analytical Method: SM 4500-H+

Date Analyzed: 2011-01-07

Sample Preparation:

Prep Method: N/A

Analyzed By: CB

Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.65	s.u.	1	2.00

Sample: 254567 - Cell 2

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76708

Prep Batch: 65776

Analytical Method: E 300.0

Date Analyzed: 2011-01-05

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		431	mg/Kg	1	25.0

Sample: 254567 - Cell 2

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76713

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76723

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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

continued ...

sample 254567 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Barium		0.552	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: 254567 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		536	mg/Kg	1	10.0

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		102	mg/Kg as CaCo3	1	4.00
Total Alkalinity		102	mg/Kg as CaCo3	1	4.00

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.12	mg/Kg	1	2.00	106	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.69	mg/Kg	1	2.00	84	73.8 - 110

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		71000	mg/Kg	10	0.500

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		536	mg/Kg	2	10.0

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 76720
Prep Batch: 65786

Analytical Method: SM 2510B
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2200	uMHOS/cm	1	0.00

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Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1050	mg/Kg	1	50.0

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		4370	mg/Kg	1	0.500

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1020	mg/Kg	1	50.0

Sample: 254568 - Cell 3

Laboratory: Lubbock
Analysis: pH
QC Batch: 76735
Prep Batch: 65797

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.20	s.u.	1	2.00

Sample: 254568 - Cell 3

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-06	Analyzed By:	PG
QC Batch:	76741	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65800				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		512	mg/Kg	2	25.0

Sample: 254568 - Cell 3

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	RR
QC Batch:	76713	TCLP Extraction:	2011-01-06	Prepared By:	KV
Prep Batch:	65772	Sample Preparation:	2011-01-06	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	TP
QC Batch:	76723	TCLP Extraction:	2011-01-06	Prepared By:	TP
Prep Batch:	65789	Sample Preparation:	2011-01-06	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		0.491	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: 254568 - Cell 3

Laboratory:	Lubbock	Analytical Method:	E 418.1	Prep Method:	N/A
Analysis:	TPH 418.1	Date Analyzed:	2011-01-07	Analyzed By:	DS
QC Batch:	76755	Sample Preparation:	2011-01-07	Prepared By:	DS
Prep Batch:	65813				

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		98.9	mg/Kg	1	10.0

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		80.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		80.0	mg/Kg as CaCo3	1	4.00

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.02	mg/Kg	1	2.00	101	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	73.8 - 110

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		48400	mg/Kg	10	0.500

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1610	mg/Kg	5	10.0

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		4940	uMHOS/cm	1	0.00

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1610	mg/Kg	1	50.0

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		4350	mg/Kg	1	0.500

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: Na, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1010	mg/Kg	1	50.0

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: pH Analytical Method: SM 4500-H+ Prep Method: N/A
QC Batch: 76735 Date Analyzed: 2011-01-07 Analyzed By: CB
Prep Batch: 65797 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.77	s.u.	1	2.00

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76840 Date Analyzed: 2011-01-11 Analyzed By: PG
Prep Batch: 65892 Sample Preparation: 2011-01-10 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3320	mg/Kg	10	25.0

Sample: 254569 - Cell 4

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals Analytical Method: S 6010C Prep Method: TCLP 1311
QC Batch: 76713 Date Analyzed: 2011-01-06 Analyzed By: RR
Prep Batch: 65772 TCLP Extraction: 2011-01-06 Prepared By: KV
Sample Preparation: 2011-01-06 Prepared By: KV

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals Analytical Method: S 7470A Prep Method: TCLP 1311
QC Batch: 76723 Date Analyzed: 2011-01-06 Analyzed By: TP
Prep Batch: 65789 TCLP Extraction: 2011-01-06 Prepared By: TP
Sample Preparation: 2011-01-06 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		0.246	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: 254569 - Cell 4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		80.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		80.0	mg/Kg as CaCo3	1	4.00

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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

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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	100	76.1 - 106
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	73.8 - 110

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		25000	mg/Kg	1	0.500

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1000	mg/Kg	5	10.0

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 76720
Prep Batch: 65786

Analytical Method: SM 2510B
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		3430	uMHOS/cm	1	0.00

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Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1260	mg/Kg	1	50.0

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2980	mg/Kg	1	0.500

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		426	mg/Kg	1	50.0

Sample: 254570 - Cell 5

Laboratory: Lubbock
Analysis: pH
QC Batch: 76735
Prep Batch: 65797

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

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

Sample: 254570 - Cell 5

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76708

Prep Batch: 65776

Analytical Method: E 300.0

Date Analyzed: 2011-01-05

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		245	mg/Kg	1	25.0

Sample: 254570 - Cell 5

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76713

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76723

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.629	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: 254570 - Cell 5

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

Prep Method: N/A

Analyzed By: DS

Prepared By: DS

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

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		90.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		90.0	mg/Kg as CaCo3	1	4.00

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.00	mg/Kg	1	2.00	100	76.1 - 106
4-Bromofluorobenzene (4-BFB)		2.14	mg/Kg	1	2.00	107	73.8 - 110

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		65100	mg/Kg	10	0.500

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Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		816	mg/Kg	5	10.0

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2830	uMHOS/cm	1	0.00

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1140	mg/Kg	1	50.0

Sample: 254571 - Cell 7

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3370	mg/Kg	1	0.500

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Sample: 254571 - Cell 7

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2011-01-07	Analyzed By:	RR
QC Batch:	76728	Sample Preparation:	2011-01-05	Prepared By:	KV
Prep Batch:	65757				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		282	mg/Kg	1	50.0

Sample: 254571 - Cell 7

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2011-01-07	Analyzed By:	CB
QC Batch:	76735	Sample Preparation:		Prepared By:	CB
Prep Batch:	65797				

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

Sample: 254571 - Cell 7

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-05	Analyzed By:	PG
QC Batch:	76708	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65776				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		105	mg/Kg	1	25.0

Sample: 254571 - Cell 7

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	RR
QC Batch:	76713	TCLP Extraction:	2011-01-06	Prepared By:	KV
Prep Batch:	65772	Sample Preparation:	2011-01-06	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	TP
QC Batch:	76723	TCLP Extraction:	2011-01-06	Prepared By:	TP
Prep Batch:	65789	Sample Preparation:	2011-01-06	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		1.14	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: 254571 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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: 254572 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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	2.14	mg/Kg	1	2.00	107	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.98	mg/Kg	1	2.00	99	73.8 - 110

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		32300	mg/Kg	10	0.500

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		543	mg/Kg	2	10.0

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 76720
Prep Batch: 65786

Analytical Method: SM 2510B
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2850	uMHOS/cm	1	0.00

²High surrogate recovery. Sample non-detect, result bias high.

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Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1770	mg/Kg	1	50.0

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3660	mg/Kg	1	0.500

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		154	mg/Kg	1	50.0

Sample: 254572 - Cell 9

Laboratory: Lubbock
Analysis: pH
QC Batch: 76735
Prep Batch: 65797

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.89	s.u.	1	2.00

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Sample: 254572 - Cell 9

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-05	Analyzed By:	PG
QC Batch:	76708	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65776				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		478	mg/Kg	1	25.0

Sample: 254572 - Cell 9

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	RR
QC Batch:	76713	TCLP Extraction:	2011-01-06	Prepared By:	KV
Prep Batch:	65772	Sample Preparation:	2011-01-06	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	TP
QC Batch:	76723	TCLP Extraction:	2011-01-06	Prepared By:	TP
Prep Batch:	65789	Sample Preparation:	2011-01-06	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		0.488	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: 254572 - Cell 9

Laboratory:	Lubbock	Analytical Method:	E 418.1	Prep Method:	N/A
Analysis:	TPH 418.1	Date Analyzed:	2011-01-07	Analyzed By:	DS
QC Batch:	76755	Sample Preparation:	2011-01-07	Prepared By:	DS
Prep Batch:	65813				

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

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		20.8	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		20.8	mg/Kg as CaCo3	1	4.00
Total Alkalinity		41.6	mg/Kg as CaCo3	1	4.00

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.06	mg/Kg	1	2.00	103	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	73.8 - 110

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		19400	mg/Kg	1	0.500

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Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76708 Date Analyzed: 2011-01-05 Analyzed By: PG
Prep Batch: 65776 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		252	mg/Kg	1	10.0

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		748	uMHOS/cm	1	0.00

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		430	mg/Kg	1	50.0

Sample: 254573 - Cell 10

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2330	mg/Kg	1	0.500

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Sample: 254573 - Cell 10

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2011-01-07	Analyzed By:	RR
QC Batch:	76728	Sample Preparation:	2011-01-05	Prepared By:	KV
Prep Batch:	65757				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		176	mg/Kg	1	50.0

Sample: 254573 - Cell 10

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2011-01-07	Analyzed By:	CB
QC Batch:	76739	Sample Preparation:		Prepared By:	CB
Prep Batch:	65798				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.39	s.u.	1	2.00

Sample: 254573 - Cell 10

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-05	Analyzed By:	PG
QC Batch:	76708	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65776				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		69.0	mg/Kg	1	25.0

Sample: 254573 - Cell 10

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	RR
QC Batch:	76714	TCLP Extraction:	2011-01-06	Prepared By:	KV
Prep Batch:	65772	Sample Preparation:	2011-01-06	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	TP
QC Batch:	76723	TCLP Extraction:	2011-01-06	Prepared By:	TP
Prep Batch:	65789	Sample Preparation:	2011-01-06	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		0.641	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: 254573 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254574 - Cell 11

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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: 254574 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.01	mg/Kg	1	2.00	100	76.1 - 106
4-Bromofluorobenzene (4-BFB)		2.14	mg/Kg	1	2.00	107	73.8 - 110

Sample: 254574 - Cell 11

Laboratory: Lubbock
 Analysis: Ca, Total Analytical Method: S 6010C Prep Method: S 3050B
 QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
 Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		147000	mg/Kg	10	0.500

Sample: 254574 - Cell 11

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 76708 Date Analyzed: 2011-01-05 Analyzed By: PG
 Prep Batch: 65776 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		117	mg/Kg	1	10.0

Sample: 254574 - Cell 11

Laboratory: Lubbock
 Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
 QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
 Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		914	uMHOS/cm	1	0.00

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Sample: 254574 - Cell 11

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		798	mg/Kg	1	50.0

Sample: 254574 - Cell 11

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		4960	mg/Kg	1	0.500

Sample: 254574 - Cell 11

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		154	mg/Kg	1	50.0

Sample: 254574 - Cell 11

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.08	s.u.	1	2.00

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Sample: 254574 - Cell 11

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76708

Prep Batch: 65776

Analytical Method: E 300.0

Date Analyzed: 2011-01-05

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		322	mg/Kg	1	25.0

Sample: 254574 - Cell 11

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76714

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76724

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.501	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: 254574 - Cell 11

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

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: 254575 - Cell 12

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76990
Prep Batch: 66035

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		20.0	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		70.0	mg/Kg as CaCo3	1	4.00

Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76703
Prep Batch: 65771

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		2.02	mg/Kg	1	2.00	101	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	73.8 - 110

Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76728
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		41200	mg/Kg	10	0.500

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Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76708 Date Analyzed: 2011-01-05 Analyzed By: PG
Prep Batch: 65776 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		59.2	mg/Kg	1	10.0

Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1230	uMHOS/cm	1	0.00

Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1390	mg/Kg	1	50.0

Sample: 254575 - Cell 12

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3320	mg/Kg	1	0.500

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Sample: 254575 - Cell 12

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	S 3050B
Analysis:	Na, Total	Date Analyzed:	2011-01-07	Analyzed By:	RR
QC Batch:	76728	Sample Preparation:	2011-01-05	Prepared By:	KV
Prep Batch:	65757				

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		259	mg/Kg	1	50.0

Sample: 254575 - Cell 12

Laboratory:	Lubbock	Analytical Method:	SM 4500-H+	Prep Method:	N/A
Analysis:	pH	Date Analyzed:	2011-01-07	Analyzed By:	CB
QC Batch:	76739	Sample Preparation:		Prepared By:	CB
Prep Batch:	65798				

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.16	s.u.	1	2.00

Sample: 254575 - Cell 12

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	SO4 (IC)	Date Analyzed:	2011-01-05	Analyzed By:	PG
QC Batch:	76708	Sample Preparation:	2011-01-04	Prepared By:	PG
Prep Batch:	65776				

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		425	mg/Kg	1	25.0

Sample: 254575 - Cell 12

Laboratory:	Lubbock	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	RR
QC Batch:	76714	TCLP Extraction:	2011-01-06	Prepared By:	KV
Prep Batch:	65772	Sample Preparation:	2011-01-06	Prepared By:	KV

Laboratory:	Lubbock	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
Analysis:	TCLP Total 8 Metals	Date Analyzed:	2011-01-06	Analyzed By:	TP
QC Batch:	76724	TCLP Extraction:	2011-01-06	Prepared By:	TP
Prep Batch:	65789	Sample Preparation:	2011-01-06	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		0.325	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: 254575 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76991
Prep Batch: 66036

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		40.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	1	4.00

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76699
Prep Batch: 65768

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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

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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)		1.78	mg/Kg	1	2.00	89	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	71.8 - 115

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Ca, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		2340	mg/Kg	1	0.500

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76709 Date Analyzed: 2011-01-05 Analyzed By: PG
Prep Batch: 65777 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		414	mg/Kg	1	10.0

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65788 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2430	uMHOS/cm	1	0.00

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Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1700	mg/Kg	1	50.0

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2820	mg/Kg	1	0.500

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		421	mg/Kg	1	50.0

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.94	s.u.	1	2.00

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Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		1190	mg/Kg	5	25.0

Sample: 254576 - Cell 13

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76714
Prep Batch: 65772

Analytical Method: S 6010C
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76724
Prep Batch: 65789

Analytical Method: S 7470A
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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		0.234	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: 254576 - Cell 13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76991
Prep Batch: 66036

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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: 254577 - Cell 14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76699
Prep Batch: 65768

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		1.77	mg/Kg	1	2.00	88	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.79	mg/Kg	1	2.00	90	71.8 - 115

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		30900	mg/Kg	10	0.500

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Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1090	mg/Kg	10	10.0

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65788 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2850	uMHOS/cm	1	0.00

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1180	mg/Kg	1	50.0

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3440	mg/Kg	1	0.500

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Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		363	mg/Kg	1	50.0

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.00	s.u.	1	2.00

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 76741
Prep Batch: 65800

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		1860	mg/Kg	10	25.0

Sample: 254577 - Cell 14

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76714
Prep Batch: 65772

Analytical Method: S 6010C
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76724
Prep Batch: 65789

Analytical Method: S 7470A
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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		0.206	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: 254577 - Cell 14

Laboratory: Lubbock
 Analysis: TPH 418.1 Analytical Method: E 418.1 Prep Method: N/A
 QC Batch: 76755 Date Analyzed: 2011-01-07 Analyzed By: DS
 Prep Batch: 65813 Sample Preparation: 2011-01-07 Prepared By: DS

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

Sample: 254578 - Cell 15

Laboratory: Lubbock
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 76991 Date Analyzed: 2011-01-19 Analyzed By: CB
 Prep Batch: 66036 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	³	<50.0	mg/Kg as CaCo3	50	1.00
Carbonate Alkalinity	⁴	3000	mg/Kg as CaCo3	50	1.00
Bicarbonate Alkalinity	⁵	1500	mg/Kg as CaCo3	50	4.00
Total Alkalinity	⁶	4500	mg/Kg as CaCo3	50	4.00

Sample: 254578 - Cell 15

Laboratory: Lubbock
 Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 76699 Date Analyzed: 2011-01-05 Analyzed By: ER
 Prep Batch: 65768 Sample Preparation: 2011-01-05 Prepared By: ER

³Results could be biased high due to matrix interference. •

⁴Results could be biased high due to matrix interference. •

⁵Results could be biased high due to matrix interference. •

⁶Results could be biased high due to matrix interference. •

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	98	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.94	mg/Kg	1	2.00	97	71.8 - 115

Sample: 254578 - Cell 15

Laboratory: Lubbock
 Analysis: Ca, Total Analytical Method: S 6010C Prep Method: S 3050B
 QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
 Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		95100	mg/Kg	10	0.500

Sample: 254578 - Cell 15

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
 Prep Batch: 65800 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		798	mg/Kg	2	10.0

Sample: 254578 - Cell 15

Laboratory: Lubbock
 Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
 QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
 Prep Batch: 65788 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2230	uMHOS/cm	1	0.00

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Sample: 254578 - Cell 15

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		887	mg/Kg	1	50.0

Sample: 254578 - Cell 15

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2970	mg/Kg	1	0.500

Sample: 254578 - Cell 15

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1740	mg/Kg	1	50.0

Sample: 254578 - Cell 15

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.78	s.u.	1	2.00

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Sample: 254578 - Cell 15

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76709

Prep Batch: 65777

Analytical Method: E 300.0

Date Analyzed: 2011-01-05

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		445	mg/Kg	1	25.0

Sample: 254578 - Cell 15

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76714

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76724

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.944	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: 254578 - Cell 15

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

Prep Method: N/A

Analyzed By: DS

Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		69.4	mg/Kg	1	10.0

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76991
Prep Batch: 66036

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		40.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	1	4.00

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76699
Prep Batch: 65768

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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)		1.87	mg/Kg	1	2.00	94	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.90	mg/Kg	1	2.00	95	71.8 - 115

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		29100	mg/Kg	10	0.500

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Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76744 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65803 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		852	mg/Kg	2	10.0

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65788 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		4410	uMHOS/cm	1	0.00

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		814	mg/Kg	1	50.0

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2310	mg/Kg	1	0.500

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Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		795	mg/Kg	1	50.0

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

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

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 76744
Prep Batch: 65803

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3940	mg/Kg	50	25.0

Sample: 254579 - Cell 16

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76714
Prep Batch: 65772

Analytical Method: S 6010C
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76724
Prep Batch: 65789

Analytical Method: S 7470A
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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		0.258	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: 254579 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		391	mg/Kg	1	10.0

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76991
Prep Batch: 66036

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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: 254580 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76699
Prep Batch: 65768

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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

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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)		1.71	mg/Kg	1	2.00	86	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	71.8 - 115

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		47600	mg/Kg	10	0.500

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76744
Prep Batch: 65803

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1860	mg/Kg	5	10.0

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 76722
Prep Batch: 65788

Analytical Method: SM 2510B
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		5620	uMHOS/cm	1	0.00

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Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1240	mg/Kg	1	50.0

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3720	mg/Kg	1	0.500

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		620	mg/Kg	1	50.0

Sample: 254580 - Cell 17

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
pH		7.75	s.u.	1	2.00

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Sample: 254580 - Cell 17

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76744

Prep Batch: 65803

Analytical Method: E 300.0

Date Analyzed: 2011-01-06

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		1310	mg/Kg	5	25.0

Sample: 254580 - Cell 17

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76714

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76724

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.320	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: 254580 - Cell 17

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

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: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
QC Batch: 76991 Date Analyzed: 2011-01-19 Analyzed By: CB
Prep Batch: 66036 Sample Preparation: Prepared By: CB

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		40.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		40.0	mg/Kg as CaCo3	1	4.00

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 76699 Date Analyzed: 2011-01-05 Analyzed By: ER
Prep Batch: 65768 Sample Preparation: 2011-01-05 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)		1.48	mg/Kg	1	2.00	74	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.49	mg/Kg	1	2.00	74	71.8 - 115

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Ca, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		8540	mg/Kg	1	0.500

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Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 76744 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65803 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		693	mg/Kg	2	10.0

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A
QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65788 Sample Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2540	uMHOS/cm	1	0.00

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: K, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1490	mg/Kg	1	50.0

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Mg, Total Analytical Method: S 6010C Prep Method: S 3050B
QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 Sample Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2810	mg/Kg	1	0.500

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Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		540	mg/Kg	1	50.0

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

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

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: SO4 (IC)
QC Batch: 76709
Prep Batch: 65777

Analytical Method: E 300.0
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		368	mg/Kg	1	25.0

Sample: 254581 - Cell 19

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76714
Prep Batch: 65772

Analytical Method: S 6010C
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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

Laboratory: Lubbock
Analysis: TCLP Total 8 Metals
QC Batch: 76724
Prep Batch: 65789

Analytical Method: S 7470A
Date Analyzed: 2011-01-06
TCLP Extraction: 2011-01-06
Sample Preparation: 2011-01-06

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		0.974	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: 254581 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 76755
Prep Batch: 65813

Analytical Method: E 418.1
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-07

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: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Alkalinity
QC Batch: 76991
Prep Batch: 66036

Analytical Method: SM 2320B
Date Analyzed: 2011-01-19
Sample Preparation:

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

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		87.5	mg/Kg as CaCo3	1	4.00
Total Alkalinity		87.5	mg/Kg as CaCo3	1	4.00

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 76699
Prep Batch: 65768

Analytical Method: S 8021B
Date Analyzed: 2011-01-05
Sample Preparation: 2011-01-05

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

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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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	71.8 - 115

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Ca, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		36900	mg/Kg	10	0.500

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 76744
Prep Batch: 65803

Analytical Method: E 300.0
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1280	mg/Kg	5	10.0

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Conductivity
QC Batch: 76722
Prep Batch: 65788

Analytical Method: SM 2510B
Date Analyzed: 2011-01-06
Sample Preparation: 2011-01-04

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

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		2990	uMHOS/cm	1	0.00

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Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: K, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2320	mg/Kg	1	50.0

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Mg, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		5870	mg/Kg	1	0.500

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: Na, Total
QC Batch: 76729
Prep Batch: 65757

Analytical Method: S 6010C
Date Analyzed: 2011-01-07
Sample Preparation: 2011-01-05

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

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		696	mg/Kg	1	50.0

Sample: 254582 - Cell 21

Laboratory: Lubbock
Analysis: pH
QC Batch: 76739
Prep Batch: 65798

Analytical Method: SM 4500-H+
Date Analyzed: 2011-01-07
Sample Preparation:

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

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

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Sample: 254582 - Cell 21

Laboratory: Lubbock

Analysis: SO4 (IC)

QC Batch: 76709

Prep Batch: 65777

Analytical Method: E 300.0

Date Analyzed: 2011-01-05

Sample Preparation: 2011-01-04

Prep Method: N/A

Analyzed By: PG

Prepared By: PG

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		110	mg/Kg	1	25.0

Sample: 254582 - Cell 21

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76714

Prep Batch: 65772

Analytical Method: S 6010C

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

Prep Method: TCLP 1311

Analyzed By: RR

Prepared By: KV

Prepared By: KV

Laboratory: Lubbock

Analysis: TCLP Total 8 Metals

QC Batch: 76724

Prep Batch: 65789

Analytical Method: S 7470A

Date Analyzed: 2011-01-06

TCLP Extraction: 2011-01-06

Sample Preparation: 2011-01-06

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		0.601	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: 254582 - Cell 21

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 76755

Prep Batch: 65813

Analytical Method: E 418.1

Date Analyzed: 2011-01-07

Sample Preparation: 2011-01-07

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

Method Blank (1) QC Batch: 76699

QC Batch: 76699
Prep Batch: 65768

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00462	mg/Kg	0.02
Toluene		<0.00582	mg/Kg	0.02
Ethylbenzene		<0.00433	mg/Kg	0.02
Xylene		<0.00383	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/Kg	1	2.00	90	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.79	mg/Kg	1	2.00	89	71.8 - 115

Method Blank (1) QC Batch: 76703

QC Batch: 76703
Prep Batch: 65771

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.00981	mg/Kg	0.02
Benzene		<0.00629	mg/Kg	0.02
Toluene		<0.0108	mg/Kg	0.02
Ethylbenzene		<0.0117	mg/Kg	0.02
Xylene		<0.0145	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	73.8 - 110

Method Blank (1) QC Batch: 76708

QC Batch: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0430	mg/Kg	10

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Method Blank (1) QC Batch: 76708

QC Batch: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.998	mg/Kg	25

Method Blank (1) QC Batch: 76709

QC Batch: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0430	mg/Kg	10

Method Blank (1) QC Batch: 76709

QC Batch: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.998	mg/Kg	25

Method Blank (1) QC Batch: 76713

QC Batch: 76713
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0169	mg/L	0.125
TCLP Arsenic		<0.0134	mg/L	0.1
TCLP Barium		<0.0141	mg/L	0.1
TCLP Cadmium		<0.00375	mg/L	0.05
TCLP Chromium		<0.00766	mg/L	0.1
TCLP Lead		<0.0117	mg/L	0.1
TCLP Selenium		<0.124	mg/L	0.5

Method Blank (1) QC Batch: 76714

QC Batch: 76714
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.0169	mg/L	0.125
TCLP Arsenic		<0.0134	mg/L	0.1
TCLP Barium		<0.0141	mg/L	0.1
TCLP Cadmium		<0.00375	mg/L	0.05
TCLP Chromium		<0.00766	mg/L	0.1
TCLP Lead		<0.0117	mg/L	0.1
TCLP Selenium		<0.124	mg/L	0.5

Method Blank (1) QC Batch: 76720

QC Batch: 76720
Prep Batch: 65786

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		3.16	uMHOS/cm	

Method Blank (1) QC Batch: 76722

QC Batch: 76722
Prep Batch: 65788

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		3.27	uMHOS/cm	

Method Blank (1) QC Batch: 76723

QC Batch: 76723
Prep Batch: 65789

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: TP
Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000336	mg/L	0.005

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Method Blank (1) QC Batch: 76724

QC Batch: 76724 Date Analyzed: 2011-01-06 Analyzed By: TP
Prep Batch: 65789 QC Preparation: 2011-01-06 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.000336	mg/L	0.005

Method Blank (1) QC Batch: 76728

QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.0866	mg/Kg	0.5

Method Blank (1) QC Batch: 76728

QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<0.354	mg/Kg	50

Method Blank (1) QC Batch: 76728

QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<0.478	mg/Kg	0.5

Method Blank (1) QC Batch: 76728

QC Batch: 76728 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

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Parameter	Flag	MDL Result	Units	RL
Total Sodium		<3.88	mg/Kg	50

Method Blank (1) QC Batch: 76729

QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.0866	mg/Kg	0.5

Method Blank (1) QC Batch: 76729

QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<0.354	mg/Kg	50

Method Blank (1) QC Batch: 76729

QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<0.478	mg/Kg	0.5

Method Blank (1) QC Batch: 76729

QC Batch: 76729 Date Analyzed: 2011-01-07 Analyzed By: RR
Prep Batch: 65757 QC Preparation: 2011-01-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<3.88	mg/Kg	50

Method Blank (1) QC Batch: 76741

QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 QC Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0430	mg/Kg	10

Method Blank (1) QC Batch: 76741

QC Batch: 76741 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65800 QC Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.998	mg/Kg	25

Method Blank (1) QC Batch: 76744

QC Batch: 76744 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65803 QC Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0430	mg/Kg	10

Method Blank (1) QC Batch: 76744

QC Batch: 76744 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65803 QC Preparation: 2011-01-04 Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.998	mg/Kg	25

Method Blank (1) QC Batch: 76755

QC Batch: 76755 Date Analyzed: 2011-01-07 Analyzed By: DS
Prep Batch: 65813 QC Preparation: 2011-01-07 Prepared By: DS

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Parameter	Flag	MDL Result	Units	RL
TRPHC		<4.79	mg/Kg	10

Method Blank (1) QC Batch: 76840

QC Batch: 76840 Date Analyzed: 2011-01-11 Analyzed By: PG
Prep Batch: 65892 QC Preparation: 2011-01-10 Prepared By: PG

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.998	mg/Kg	25

Method Blank (1) QC Batch: 76990

QC Batch: 76990 Date Analyzed: 2011-01-19 Analyzed By: CB
Prep Batch: 66035 QC Preparation: 2011-01-19 Prepared By: CB

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		10.0	mg/Kg as CaCo3	4
Total Alkalinity		10.0	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 76991

QC Batch: 76991 Date Analyzed: 2011-01-19 Analyzed By: CB
Prep Batch: 66036 QC Preparation: 2011-01-19 Prepared By: CB

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		10.0	mg/Kg as CaCo3	4
Total Alkalinity		10.0	mg/Kg as CaCo3	4

Duplicates (1) Duplicated Sample: 254575

QC Batch: 76720 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65786 QC Preparation: 2011-01-04 Prepared By: PG

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Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1230	1230	uMHOS/cm	1	0	20

Duplicates (1) Duplicated Sample: 254408

QC Batch: 76722 Date Analyzed: 2011-01-06 Analyzed By: PG
Prep Batch: 65788 QC Preparation: 2011-01-04 Prepared By: PG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	270	272	uMHOS/cm	1	1	20

Duplicates (1) Duplicated Sample: 254572

QC Batch: 76735 Date Analyzed: 2011-01-07 Analyzed By: CB
Prep Batch: 65797 QC Preparation: 2011-01-07 Prepared By: CB

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.85	7.89	s.u.	1	0	20

Duplicates (1) Duplicated Sample: 254582

QC Batch: 76739 Date Analyzed: 2011-01-07 Analyzed By: CB
Prep Batch: 65798 QC Preparation: 2011-01-07 Prepared By: CB

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.86	7.85	s.u.	1	0	20

Duplicates (1) Duplicated Sample: 254575

QC Batch: 76990 Date Analyzed: 2011-01-19 Analyzed By: CB
Prep Batch: 66035 QC Preparation: 2011-01-19 Prepared By: CB

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	20.0	20.0	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	60.0	50.0	mg/Kg as CaCo3	1	18	20
Total Alkalinity	80.0	70.0	mg/Kg as CaCo3	1	13	20

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Duplicates (1) Duplicated Sample: 254582

QC Batch: 76991
Prep Batch: 66036

Date Analyzed: 2011-01-19
QC Preparation: 2011-01-19

Analyzed By: CB
Prepared By: CB

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	87.5	87.5	mg/Kg as CaCo3	1	0	20
Total Alkalinity	87.5	87.5	mg/Kg as CaCo3	1	0	20

Laboratory Control Spike (LCS-1)

QC Batch: 76699
Prep Batch: 65768

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.93	mg/Kg	1	2.00	<0.00462	96	77.8 - 118
Toluene	1.97	mg/Kg	1	2.00	<0.00582	98	76.6 - 121
Ethylbenzene	1.91	mg/Kg	1	2.00	<0.00433	96	77 - 114
Xylene	5.86	mg/Kg	1	6.00	<0.00383	98	76.9 - 117

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	<0.00462	97	77.8 - 118	0	20
Toluene	1.96	mg/Kg	1	2.00	<0.00582	98	76.6 - 121	0	20
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.00433	96	77 - 114	1	20
Xylene	5.91	mg/Kg	1	6.00	<0.00383	98	76.9 - 117	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)	1.66	1.73	mg/Kg	1	2.00	83	86	73.6 - 118
4-Bromofluorobenzene (4-BFB)	1.73	1.74	mg/Kg	1	2.00	86	87	73.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 76703
Prep Batch: 65771

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	2.01	mg/Kg	1	2.00	<0.00981	100	74.3 - 114
Benzene	2.13	mg/Kg	1	2.00	<0.00629	106	84.5 - 112
Toluene	2.09	mg/Kg	1	2.00	<0.0108	104	83.8 - 112
Ethylbenzene	2.16	mg/Kg	1	2.00	<0.0117	108	82.6 - 114
Xylene	6.63	mg/Kg	1	6.00	<0.0145	110	83.2 - 118

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
MTBE	1.98	mg/Kg	1	2.00	<0.00981	99	74.3 - 114	2	20
Benzene	2.10	mg/Kg	1	2.00	<0.00629	105	84.5 - 112	1	20
Toluene	2.07	mg/Kg	1	2.00	<0.0108	104	83.8 - 112	1	20
Ethylbenzene	2.13	mg/Kg	1	2.00	<0.0117	106	82.6 - 114	1	20
Xylene	6.54	mg/Kg	1	6.00	<0.0145	109	83.2 - 118	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)	1.92	1.97	mg/Kg	1	2.00	96	98	79.4 - 112
4-Bromofluorobenzene (4-BFB)	1.97	2.00	mg/Kg	1	2.00	98	100	76.9 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	233	mg/Kg	1	250	<0.0430	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	232	mg/Kg	1	250	<0.0430	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: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	247	mg/Kg	1	250	<0.998	99	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	248	mg/Kg	1	250	<0.998	99	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: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	231	mg/Kg	1	250	<0.0430	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	230	mg/Kg	1	250	<0.0430	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: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	246	mg/Kg	1	250	<0.998	98	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	244	mg/Kg	1	250	<0.998	98	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: 76713
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.22	mg/L	1	1.25	<0.0169	98	85 - 115
TCLP Arsenic	5.10	mg/L	1	5.00	<0.0134	102	85 - 115
TCLP Barium	9.85	mg/L	1	10.0	<0.0141	98	85 - 115
TCLP Cadmium	2.52	mg/L	1	2.50	<0.00375	101	85 - 115
TCLP Chromium	0.910	mg/L	1	1.00	<0.00766	91	85 - 115
TCLP Lead	5.25	mg/L	1	5.00	<0.0117	105	85 - 115
TCLP Selenium	4.63	mg/L	1	5.00	<0.124	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
TCLP Silver	1.25	mg/L	1	1.25	<0.0169	100	85 - 115	2	20
TCLP Arsenic	5.18	mg/L	1	5.00	<0.0134	104	85 - 115	2	20
TCLP Barium	10.0	mg/L	1	10.0	<0.0141	100	85 - 115	2	20
TCLP Cadmium	2.57	mg/L	1	2.50	<0.00375	103	85 - 115	2	20
TCLP Chromium	0.920	mg/L	1	1.00	<0.00766	92	85 - 115	1	20
TCLP Lead	5.31	mg/L	1	5.00	<0.0117	106	85 - 115	1	20
TCLP Selenium	4.76	mg/L	1	5.00	<0.124	95	85 - 115	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: 76714
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.22	mg/L	1	1.25	<0.0169	98	85 - 115
TCLP Arsenic	5.10	mg/L	1	5.00	<0.0134	102	85 - 115
TCLP Barium	9.85	mg/L	1	10.0	<0.0141	98	85 - 115
TCLP Cadmium	2.52	mg/L	1	2.50	<0.00375	101	85 - 115
TCLP Chromium	0.910	mg/L	1	1.00	<0.00766	91	85 - 115
TCLP Lead	5.25	mg/L	1	5.00	<0.0117	105	85 - 115
TCLP Selenium	4.65	mg/L	1	5.00	<0.124	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
TCLP Silver	1.25	mg/L	1	1.25	<0.0169	100	85 - 115	2	20
TCLP Arsenic	5.18	mg/L	1	5.00	<0.0134	104	85 - 115	2	20
TCLP Barium	10.0	mg/L	1	10.0	<0.0141	100	85 - 115	2	20
TCLP Cadmium	2.57	mg/L	1	2.50	<0.00375	103	85 - 115	2	20
TCLP Chromium	0.920	mg/L	1	1.00	<0.00766	92	85 - 115	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TCLP Lead	5.31	mg/L	1	5.00	<0.0117	106	85 - 115	1	20
TCLP Selenium	4.76	mg/L	1	5.00	<0.124	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: 76723
Prep Batch: 65789

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0378	mg/L	1	0.0400	<0.000336	94	88.1 - 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	0.0369	mg/L	1	0.0400	<0.000336	92	88.1 - 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: 76724
Prep Batch: 65789

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0378	mg/L	1	0.0400	<0.000336	94	88.1 - 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	0.0369	mg/L	1	0.0400	<0.000336	92	88.1 - 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: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	5440	mg/Kg	1	5000	<0.0866	109	80 - 120

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	4910	mg/Kg	1	5000	<0.0866	98	80 - 120	10	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: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5140	mg/Kg	1	5000	<0.354	103	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	4650	mg/Kg	1	5000	<0.354	93	85 - 115	10	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: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	5260	mg/Kg	1	5000	<0.478	105	80 - 120

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	4790	mg/Kg	1	5000	<0.478	96	80 - 120	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: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Report Date: January 19, 2011
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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5170	mg/Kg	1	5000	<3.88	103	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	4660	mg/Kg	1	5000	<3.88	93	85 - 115	10	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: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	5440	mg/Kg	1	5000	<0.0866	109	80 - 120

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	4910	mg/Kg	1	5000	<0.0866	98	80 - 120	10	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: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5140	mg/Kg	1	5000	<0.354	103	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	4650	mg/Kg	1	5000	<0.354	93	85 - 115	10	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: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	5260	mg/Kg	1	5000	<0.478	105	80 - 120

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	4790	mg/Kg	1	5000	<0.478	96	80 - 120	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: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	5170	mg/Kg	1	5000	<3.88	103	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	4660	mg/Kg	1	5000	<3.88	93	85 - 115	10	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: 76741
Prep Batch: 65800

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	226	mg/Kg	1	250	<0.0430	90	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	<0.0430	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: 76741
Prep Batch: 65800

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Report Date: January 19, 2011
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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	244	mg/Kg	1	250	<0.998	98	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	<0.998	97	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: 76744
Prep Batch: 65803

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	232	mg/Kg	1	250	<0.0430	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	227	mg/Kg	1	250	<0.0430	91	90 - 110	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: 76744
Prep Batch: 65803

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	247	mg/Kg	1	250	<0.998	99	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	240	mg/Kg	1	250	<0.998	96	90 - 110	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: 76755
Prep Batch: 65813

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-07

Analyzed By: DS
Prepared By: DS

Report Date: January 19, 2011
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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	252	mg/Kg	1	250	<4.79	101	84.3 - 122

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	<4.79	100	84.3 - 122	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: 76840
Prep Batch: 65892

Date Analyzed: 2011-01-11
QC Preparation: 2011-01-10

Analyzed By: PG
Prepared By: PG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	256	mg/Kg	1	250	<0.998	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	259	mg/Kg	1	250	<0.998	104	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: 254555

QC Batch: 76699
Prep Batch: 65768

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.95	mg/Kg	1	2.00	<0.00462	98	55.2 - 129
Toluene	2.12	mg/Kg	1	2.00	<0.00582	106	56.6 - 142
Ethylbenzene	2.17	mg/Kg	1	2.00	<0.00433	108	57.9 - 143
Xylene	6.64	mg/Kg	1	6.00	<0.00383	111	59 - 147

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	1.95	mg/Kg	1	2.00	<0.00462	98	55.2 - 129	0	20
Toluene	2.13	mg/Kg	1	2.00	<0.00582	106	56.6 - 142	0	20
Ethylbenzene	2.18	mg/Kg	1	2.00	<0.00433	109	57.9 - 143	0	20
Xylene	6.66	mg/Kg	1	6.00	<0.00383	111	59 - 147	0	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)	1.93	1.91	mg/Kg	1	2	96	95	59.6 - 138
4-Bromofluorobenzene (4-BFB)	1.93	1.88	mg/Kg	1	2	96	94	64.3 - 141

Matrix Spike (MS-1) Spiked Sample: 254535

QC Batch: 76703
Prep Batch: 65771

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-05

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	1.12	mg/Kg	1	2.00	<0.00981	56	10 - 110
Benzene	1.48	mg/Kg	1	2.00	<0.00629	74	45.5 - 118
Toluene	1.55	mg/Kg	1	2.00	<0.0108	78	47.9 - 125
Ethylbenzene	1.66	mg/Kg	1	2.00	<0.0117	83	51.8 - 130
Xylene	5.10	mg/Kg	1	6.00	<0.0145	85	46.9 - 140

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
MTBE	7	0.807	mg/Kg	1	2.00	<0.00981	40	10 - 110	32	20
Benzene	8	0.666	mg/Kg	1	2.00	<0.00629	33	45.5 - 118	76	20
Toluene	9	0.674	mg/Kg	1	2.00	<0.0108	34	47.9 - 125	79	20
Ethylbenzene	10	0.721	mg/Kg	1	2.00	<0.0117	36	51.8 - 130	79	20
Xylene	11	2.22	mg/Kg	1	6.00	<0.0145	37	46.9 - 140	79	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)	2.06	1.94	mg/Kg	1	2	103	97	79.2 - 124
4-Bromofluorobenzene (4-BFB)	1.96	1.87	mg/Kg	1	2	98	94	66.3 - 128

Matrix Spike (MS-1) Spiked Sample: 254575

QC Batch: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

⁷Matrix spike recovery and RPD out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike recovery and RPD out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

⁹Matrix spike recovery and RPD out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁰Matrix spike recovery and RPD out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery and RPD out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	300	mg/Kg	1	250	59.2	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	290	mg/Kg	1	250	59.2	92	90 - 110	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: 254575

QC Batch: 76708
Prep Batch: 65776

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	¹² 705	mg/Kg	1	250	425	112	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	¹³ 702	mg/Kg	1	250	425	111	90 - 110	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: 254408

QC Batch: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	230	mg/Kg	1	250	<0.0430	92	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	233	mg/Kg	1	250	<0.0430	93	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

¹²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹³Matrix 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: 254408

QC Batch: 76709
Prep Batch: 65777

Date Analyzed: 2011-01-05
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	241	mg/Kg	1	250	<0.998	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
Sulfate	250	mg/Kg	1	250	<0.998	100	90 - 110	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: 254489

QC Batch: 76713
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.24	mg/L	1	1.25	<0.0169	99	75 - 125
TCLP Arsenic	5.13	mg/L	1	5.00	<0.0134	103	75 - 125
TCLP Barium	10.1	mg/L	1	10.0	<0.0141	101	75 - 125
TCLP Cadmium	2.53	mg/L	1	2.50	<0.00375	101	75 - 125
TCLP Chromium	0.927	mg/L	1	1.00	0.012	92	75 - 125
TCLP Lead	5.28	mg/L	1	5.00	<0.0117	106	75 - 125
TCLP Selenium	4.69	mg/L	1	5.00	<0.124	94	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	1.22	mg/L	1	1.25	<0.0169	98	75 - 125	2	20
TCLP Arsenic	5.10	mg/L	1	5.00	<0.0134	102	75 - 125	1	20
TCLP Barium	10.0	mg/L	1	10.0	<0.0141	100	75 - 125	1	20
TCLP Cadmium	2.52	mg/L	1	2.50	<0.00375	101	75 - 125	0	20
TCLP Chromium	0.918	mg/L	1	1.00	0.012	91	75 - 125	1	20
TCLP Lead	5.19	mg/L	1	5.00	<0.0117	104	75 - 125	2	20
TCLP Selenium	4.59	mg/L	1	5.00	<0.124	92	75 - 125	2	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: 254573

QC Batch: 76714
Prep Batch: 65772

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.24	mg/L	1	1.25	<0.0169	99	75 - 125
TCLP Arsenic	5.11	mg/L	1	5.00	<0.0134	102	75 - 125
TCLP Barium	10.5	mg/L	1	10.0	0.641	98	75 - 125
TCLP Cadmium	2.52	mg/L	1	2.50	<0.00375	101	75 - 125
TCLP Chromium	0.907	mg/L	1	1.00	<0.00766	91	75 - 125
TCLP Lead	5.21	mg/L	1	5.00	<0.0117	104	75 - 125
TCLP Selenium	4.63	mg/L	1	5.00	<0.124	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
TCLP Silver	1.24	mg/L	1	1.25	<0.0169	99	75 - 125	0	20
TCLP Arsenic	5.16	mg/L	1	5.00	<0.0134	103	75 - 125	1	20
TCLP Barium	10.6	mg/L	1	10.0	0.641	100	75 - 125	1	20
TCLP Cadmium	2.52	mg/L	1	2.50	<0.00375	101	75 - 125	0	20
TCLP Chromium	0.911	mg/L	1	1.00	<0.00766	91	75 - 125	0	20
TCLP Lead	5.25	mg/L	1	5.00	<0.0117	105	75 - 125	1	20
TCLP Selenium	4.68	mg/L	1	5.00	<0.124	94	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: 254504

QC Batch: 76723
Prep Batch: 65789

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0413	mg/L	1	0.0400	<0.000336	103	86.1 - 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
TCLP Mercury	0.0360	mg/L	1	0.0400	<0.000336	90	86.1 - 119	14	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: 254574

QC Batch: 76724
Prep Batch: 65789

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-06

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.0416	mg/L	1	0.0400	0.00041	103	86.1 - 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
TCLP Mercury	0.0417	mg/L	1	0.0400	0.00041	103	86.1 - 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: 254566

QC Batch: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	107000	mg/Kg	1	5000	102000	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	107000	mg/Kg	1	5000	102000	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: 254566

QC Batch: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5000	mg/Kg	1	5000	1160	77	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	1160	87	75 - 125	10	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: 254566

QC Batch: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	7910	mg/Kg	1	5000	3560	87	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	7740	mg/Kg	1	5000	3560	84	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: 254566

QC Batch: 76728
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4620	mg/Kg	1	5000	560	81	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	5140	mg/Kg	1	5000	560	92	75 - 125	11	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: 254576

QC Batch: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	6890	mg/Kg	1	5000	2340	91	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	6930	mg/Kg	1	5000	2340	92	75 - 125	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: 254576

QC Batch: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	5960	mg/Kg	1	5000	1700	85	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	5870	mg/Kg	1	5000	1700	83	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: 254576

QC Batch: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	7190	mg/Kg	1	5000	2820	87	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	6860	mg/Kg	1	5000	2820	81	75 - 125	5	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: 254576

QC Batch: 76729
Prep Batch: 65757

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-05

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4700	mg/Kg	1	5000	421	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 Sodium	4670	mg/Kg	1	5000	421	85	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: 254578

QC Batch: 76741
Prep Batch: 65800

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1320	mg/Kg	2	500	798	104	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	1350	mg/Kg	2	500	798	110	90 - 110	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: 254578

QC Batch: 76741
Prep Batch: 65800

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	972	mg/Kg	2	500	454	104	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	¹⁴ 1010	mg/Kg	2	500	454	111	90 - 110	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: 254582

QC Batch: 76744
Prep Batch: 65803

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2490	mg/Kg	5	1250	1280	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

¹⁴Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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
Chloride	2540	mg/Kg	5	1250	1280	101	90 - 110	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: 254582

QC Batch: 76744
Prep Batch: 65803

Date Analyzed: 2011-01-06
QC Preparation: 2011-01-04

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	1330	mg/Kg	5	1250	<4.99	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	1330	mg/Kg	5	1250	<4.99	106	90 - 110	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: 254570

QC Batch: 76755
Prep Batch: 65813

Date Analyzed: 2011-01-07
QC Preparation: 2011-01-07

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	420	mg/Kg	1	250	126	118	43 - 161

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	379	mg/Kg	1	250	126	101	43 - 161	10	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: 254569

QC Batch: 76840
Prep Batch: 65892

Date Analyzed: 2011-01-11
QC Preparation: 2011-01-10

Analyzed By: PG
Prepared By: PG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	¹⁵ 4740	mg/Kg	10	2500	3320	57	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	¹⁶ 4800	mg/Kg	10	2500	3320	59	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-2)

QC Batch: 76699

Date Analyzed: 2011-01-05

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	0.0979	98	80 - 120	2011-01-05
Toluene		mg/Kg	0.100	0.0998	100	80 - 120	2011-01-05
Ethylbenzene		mg/Kg	0.100	0.0940	94	80 - 120	2011-01-05
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2011-01-05

Standard (CCV-3)

QC Batch: 76699

Date Analyzed: 2011-01-05

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	0.0967	97	80 - 120	2011-01-05
Toluene		mg/Kg	0.100	0.0977	98	80 - 120	2011-01-05
Ethylbenzene		mg/Kg	0.100	0.0951	95	80 - 120	2011-01-05
Xylene		mg/Kg	0.300	0.290	97	80 - 120	2011-01-05

Standard (CCV-2)

QC Batch: 76703

Date Analyzed: 2011-01-05

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.0923	92	80 - 120	2011-01-05
Benzene		mg/Kg	0.100	0.105	105	80 - 120	2011-01-05

continued ...

¹⁵Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁶Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/Kg	0.100	0.101	101	80 - 120	2011-01-05
Ethylbenzene		mg/Kg	0.100	0.103	103	80 - 120	2011-01-05
Xylene		mg/Kg	0.300	0.316	105	80 - 120	2011-01-05

Standard (CCV-3)

QC Batch: 76703

Date Analyzed: 2011-01-05

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.0892	89	80 - 120	2011-01-05
Benzene		mg/Kg	0.100	0.106	106	80 - 120	2011-01-05
Toluene		mg/Kg	0.100	0.102	102	80 - 120	2011-01-05
Ethylbenzene		mg/Kg	0.100	0.105	105	80 - 120	2011-01-05
Xylene		mg/Kg	0.300	0.320	107	80 - 120	2011-01-05

Standard (CCV-1)

QC Batch: 76708

Date Analyzed: 2011-01-05

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.2	93	90 - 110	2011-01-05

Standard (CCV-1)

QC Batch: 76708

Date Analyzed: 2011-01-05

Analyzed By: PG

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	2011-01-05

Standard (CCV-2)

QC Batch: 76708

Date Analyzed: 2011-01-05

Analyzed By: PG

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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	22.7	91	90 - 110	2011-01-05

Standard (CCV-2)

QC Batch: 76708

Date Analyzed: 2011-01-05

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.6	98	90 - 110	2011-01-05

Standard (CCV-1)

QC Batch: 76709

Date Analyzed: 2011-01-05

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	22.7	91	90 - 110	2011-01-05

Standard (CCV-1)

QC Batch: 76709

Date Analyzed: 2011-01-05

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.6	98	90 - 110	2011-01-05

Standard (CCV-2)

QC Batch: 76709

Date Analyzed: 2011-01-05

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.1	92	90 - 110	2011-01-05

Standard (CCV-2)

QC Batch: 76709

Date Analyzed: 2011-01-05

Analyzed By: PG

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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	24.5	98	90 - 110	2011-01-05

Standard (ICV-1)

QC Batch: 76713

Date Analyzed: 2011-01-06

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	0.124	99	90 - 110	2011-01-06
TCLP Arsenic		mg/L	1.00	0.986	99	90 - 110	2011-01-06
TCLP Barium		mg/L	1.00	0.974	97	90 - 110	2011-01-06
TCLP Cadmium		mg/L	1.00	0.987	99	90 - 110	2011-01-06
TCLP Chromium		mg/L	1.00	0.983	98	90 - 110	2011-01-06
TCLP Lead		mg/L	1.00	0.992	99	90 - 110	2011-01-06
TCLP Selenium		mg/L	1.00	0.989	99	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76713

Date Analyzed: 2011-01-06

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	0.126	101	75 - 125	2011-01-06
TCLP Arsenic		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Cadmium		mg/L	1.00	1.02	102	90 - 110	2011-01-06
TCLP Chromium		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Lead		mg/L	1.00	1.03	103	90 - 110	2011-01-06
TCLP Selenium		mg/L	1.00	1.02	102	90 - 110	2011-01-06

Standard (ICV-1)

QC Batch: 76714

Date Analyzed: 2011-01-06

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	0.124	99	90 - 110	2011-01-06
TCLP Arsenic		mg/L	1.00	0.986	99	90 - 110	2011-01-06
TCLP Barium		mg/L	1.00	0.974	97	90 - 110	2011-01-06

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Cadmium		mg/L	1.00	0.987	99	90 - 110	2011-01-06
TCLP Chromium		mg/L	1.00	0.983	98	90 - 110	2011-01-06
TCLP Lead		mg/L	1.00	0.992	99	90 - 110	2011-01-06
TCLP Selenium		mg/L	1.00	0.989	99	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76714

Date Analyzed: 2011-01-06

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	75 - 125	2011-01-06
TCLP Arsenic		mg/L	1.00	1.00	100	90 - 110	2011-01-06
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Cadmium		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Chromium		mg/L	1.00	1.00	100	90 - 110	2011-01-06
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2011-01-06
TCLP Selenium		mg/L	1.00	1.01	101	90 - 110	2011-01-06

Standard (ICV-1)

QC Batch: 76720

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-1)

QC Batch: 76720

Date Analyzed: 2011-01-06

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1440	102	90 - 110	2011-01-06

Standard (ICV-1)

QC Batch: 76722

Date Analyzed: 2011-01-06

Analyzed By: PG

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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	1390	99	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76722

Date Analyzed: 2011-01-06

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76723

Date Analyzed: 2011-01-06

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	0.00483	97	90 - 110	2011-01-06

Standard (CCV-2)

QC Batch: 76723

Date Analyzed: 2011-01-06

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	0.00477	95	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76724

Date Analyzed: 2011-01-06

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	0.00483	97	90 - 110	2011-01-06

Standard (CCV-2)

QC Batch: 76724

Date Analyzed: 2011-01-06

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	0.00469	94	90 - 110	2011-01-06

Standard (ICV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	51.0	50.4	99	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	55.0	53.0	96	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	51.0	49.6	97	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	51.0	49.2	96	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

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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	51.0	47.7	94	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	55.0	50.0	91	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	51.0	47.2	92	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76728

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	51.0	46.9	92	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	51.0	50.4	99	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	55.0	53.0	96	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	51.0	49.6	97	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	51.0	49.2	96	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	51.0	49.4	97	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	55.0	51.7	94	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	51.0	48.8	96	90 - 110	2011-01-07

Standard (CCV-1)

QC Batch: 76729

Date Analyzed: 2011-01-07

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	51.0	48.2	94	90 - 110	2011-01-07

Standard (ICV-1)

QC Batch: 76735

Date Analyzed: 2011-01-07

Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2011-01-07

Standard (CCV-1)

QC Batch: 76735

Date Analyzed: 2011-01-07

Analyzed By: CB

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	2011-01-07

Standard (ICV-1)

QC Batch: 76739

Date Analyzed: 2011-01-07

Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2011-01-07

Standard (CCV-1)

QC Batch: 76739

Date Analyzed: 2011-01-07

Analyzed By: CB

Report Date: January 19, 2011
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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	6.97	100	98 - 102	2011-01-07

Standard (CCV-1)

QC Batch: 76741

Date Analyzed: 2011-01-06

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	22.5	90	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76741

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-2)

QC Batch: 76741

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-2)

QC Batch: 76741

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-1)

QC Batch: 76744

Date Analyzed: 2011-01-06

Analyzed By: PG

Report Date: January 19, 2011
2010 Year End Soil Sampling (NM 711-1-0020)

Work Order: 11010303
GMI Landfarm

Page Number: 103 of 105
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

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	2011-01-06

Standard (CCV-1)

QC Batch: 76744

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-2)

QC Batch: 76744

Date Analyzed: 2011-01-06

Analyzed By: PG

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	2011-01-06

Standard (CCV-2)

QC Batch: 76744

Date Analyzed: 2011-01-06

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	24.7	99	90 - 110	2011-01-06

Standard (CCV-1)

QC Batch: 76755

Date Analyzed: 2011-01-07

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.4	94	80 - 120	2011-01-07

Standard (CCV-2)

QC Batch: 76755

Date Analyzed: 2011-01-07

Analyzed By: DS

Report Date: January 19, 2011
2010 Year End Soil Sampling (NM 711-1-0020)

Work Order: 11010303
GMI Landfarm

Page Number: 104 of 105
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	92.9	93	80 - 120	2011-01-07

Standard (CCV-3)

QC Batch: 76755

Date Analyzed: 2011-01-07

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	93.7	94	80 - 120	2011-01-07

Standard (CCV-4)

QC Batch: 76755

Date Analyzed: 2011-01-07

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	96.0	96	80 - 120	2011-01-07

Standard (CCV-1)

QC Batch: 76840

Date Analyzed: 2011-01-11

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	25.5	102	90 - 110	2011-01-11

Standard (CCV-2)

QC Batch: 76840

Date Analyzed: 2011-01-11

Analyzed By: PG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	25.0	25.7	103	90 - 110	2011-01-11

Standard (ICV-1)

QC Batch: 76990

Date Analyzed: 2011-01-19

Analyzed By: CB

Report Date: January 19, 2011
2010 Year End Soil Sampling (NM 711-1-0020)

Work Order: 11010303
GMI Landfarm

Page Number: 105 of 105
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0.00	70.0		-	2011-01-19
Carbonate Alkalinity		mg/Kg as CaCo3	0.00	160		-	2011-01-19
Bicarbonate Alkalinity		mg/Kg as CaCo3	0.00	<4.00		-	2011-01-19
Total Alkalinity		mg/Kg as CaCo3	250	240	96	95 - 105	2011-01-19

Standard (CCV-1)

QC Batch: 76990

Date Analyzed: 2011-01-19

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0.00	20.0		-	2011-01-19
Carbonate Alkalinity		mg/Kg as CaCo3	0.00	220		-	2011-01-19
Bicarbonate Alkalinity		mg/Kg as CaCo3	0.00	<4.00		-	2011-01-19
Total Alkalinity		mg/Kg as CaCo3	250	240	96	95 - 105	2011-01-19

Standard (ICV-1)

QC Batch: 76991

Date Analyzed: 2011-01-19

Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0.00	50.0		-	2011-01-19
Carbonate Alkalinity		mg/Kg as CaCo3	0.00	200		-	2011-01-19
Bicarbonate Alkalinity		mg/Kg as CaCo3	0.00	<4.00		-	2011-01-19
Total Alkalinity		mg/Kg as CaCo3	250	250	100	95 - 105	2011-01-19

Standard (CCV-1)

QC Batch: 76991

Date Analyzed: 2011-01-19

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/Kg as CaCo3	0.00	40.0		-	2011-01-19
Carbonate Alkalinity		mg/Kg as CaCo3	0.00	200		-	2011-01-19
Bicarbonate Alkalinity		mg/Kg as CaCo3	0.00	<4.00		-	2011-01-19
Total Alkalinity		mg/Kg as CaCo3	250	240	96	95 - 105	2011-01-19

PAGE 1 OF 2

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

LAB Order ID # 11010303

Company Name: <i>Gandy Marley Inc.</i>	Phone #: <i>575-347-0434</i>
Address: <i>PO Box 1658 Roswell, NM 8202</i>	Fax #: <i>575-347-0435</i>
Contact Person: <i>Larry Gandy @ 575-399-5721</i>	E-mail: <i>gmia@tn.com</i>
Invoice to: <i>Gandy 20 Leav. Mt.</i>	
(If different from above)	
Project #: <i>2010 Year End Soil Sampling (711-1-02)</i>	Project Name: <i>GMI Landform</i>
Project Location (including state): <i>SOL. 4, 5, 8, 9 T.H.S.R. 31E, Charles Co. N.M.</i>	Sampler Signature: <i>[Signature]</i>

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Temp: IR
<i>[Signature]</i>	01/03/11	12:00	<i>[Signature]</i>	01/03/11	11:35	6.9°C
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Temp: IR
						6.2°C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
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Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
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LAB USE ONLY

Intact Y N

Headspace Y

Temp

Log-in-Review

REMARKS:

☐ 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 3060498870

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-12965002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-34438808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Gandy Marley Inc. Phone #: 575-347-0434
 Address: PO Box 1658 Roswell NM 88202 Fax #: 575-347-0435
 Contact Person: Larry Gandy E-mail: gmie@dfn.com
 Invoice to: Gandy 2 @ lexco.net
 (If different from above)
 Project #: 2010 Year End Soil Sampling (NM 7/1-10/20) Project Name: GM Landfarm
 Project Location (including state): 7/1-10/20 Sampler Signature: [Signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE	8021B / 602 / 8260B / 624	8TEX 8021B / 602 / 8260B / 624	TPH 418 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	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	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	DATE	TIME																					
254577	Cell 14	2	402	X							X	X	12/31/10	1245																						
78	Cell 15													1255																						
79	Cell 16													1305																						
80	Cell 17													1320																						
81	Cell 19													1335																						
82	Cell 21	V	V	V							V	V		1345																						
	(No Temp Blank provided)																																			
											</																									

Relinquished by: [Signature] Company: CMB Date: 01/2/11 Time: 12:00
 Received by: 2mclon Company: TA Date: 01/03/11 Time: 13:55 Temp: 6.9°C
 Relinquished by: [Signature] Company: CMB Date: 01/2/11 Time: 12:00
 Received by: 2mclon Company: TA Date: 01/03/11 Time: 13:55 Temp: 6.9°C
 Relinquished by: [Signature] Company: CMB Date: 01/2/11 Time: 12:00
 Received by: 2mclon Company: TA Date: 01/03/11 Time: 13:55 Temp: 6.9°C

LAB USE ONLY

Intact: Y / N / NA
 Headspace: Y / N / NA
 Log-In/Review: [Signature]

REMARKS:

Please send copy of results ASAP to Cmbenviro@dfn.com
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

December 15, 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

RECEIVED OCD

2011 JAN -6 P 12:43

**Re: Submittal of Third Quarterly Monitoring Report for Year 2010
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
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@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:

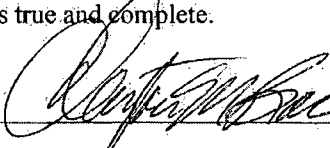
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **December 15, 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:

12/15/2010

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 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 2010 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 2010 sampling / monitoring was performed on October 27, 2010. 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 Solinst 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 Solinst 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 (with the exception of Cell 21) show the remediated soils in all cells to contain less than <0.0200 (Mg/Kg) BTEX, and TPH concentrations (≤ 22.5 (Mg/Kg) TPH). Cell 21 had a Toluene concentration of 0.0261 Mg/Kg, Ethylbenzene concentration of 0.0210 Mg/Kg, Xylene concentration of 0.0935, and TPH concentration of 104 Mg/Kg. These cell 21 soil concentrations are within the soil standard concentration limits for BTEX and 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 Solinst 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 (with the exeption of Cell 21) had BTEX soil concentrations below < 0.0200 (Mg/Kg), and TPH Concentrations ≤ 22.5 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

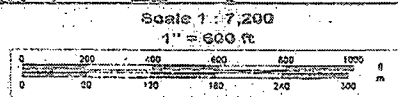
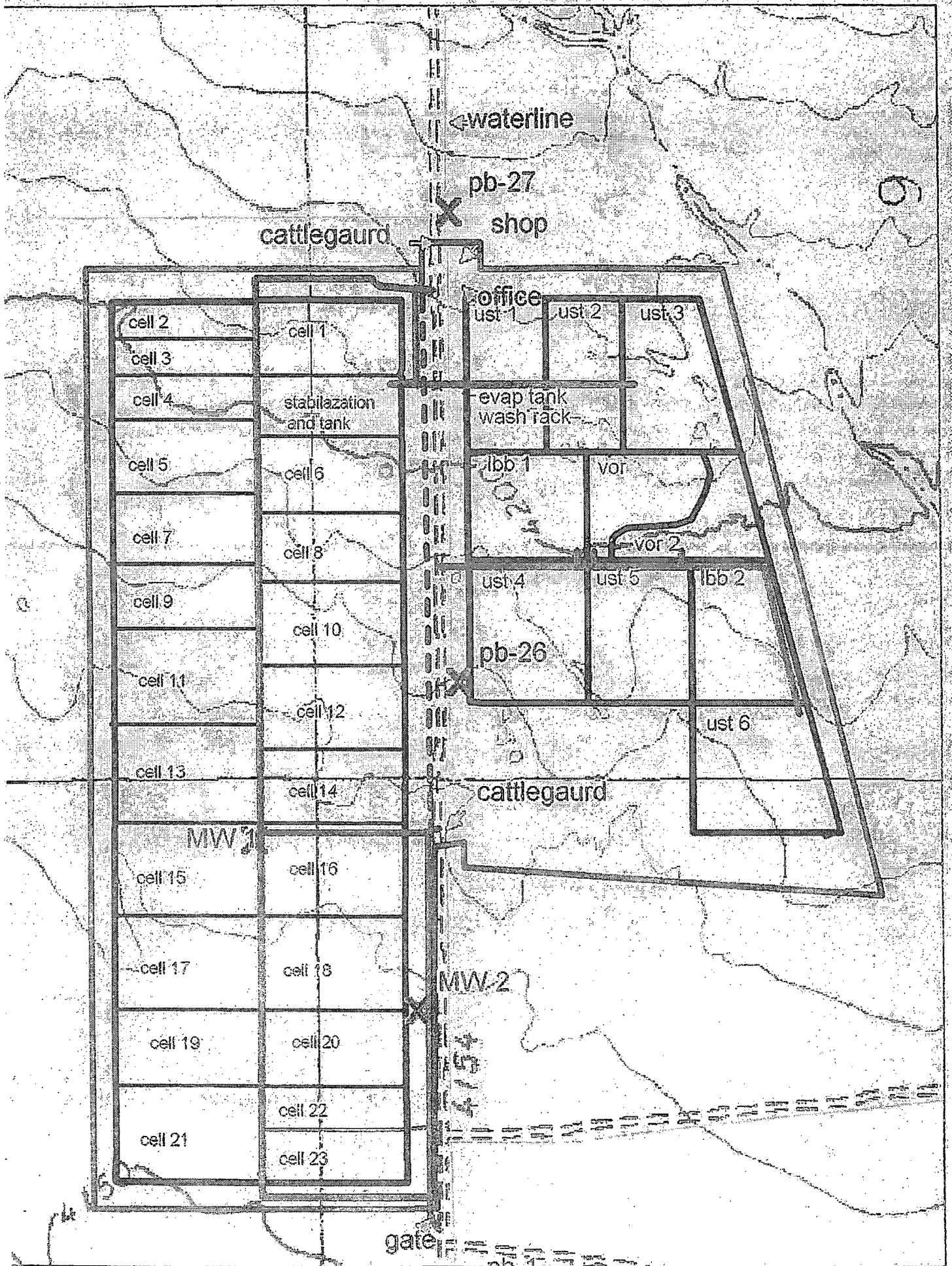
LIST OF TABLES

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

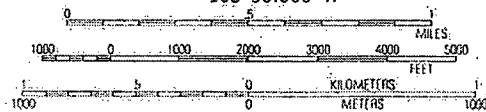
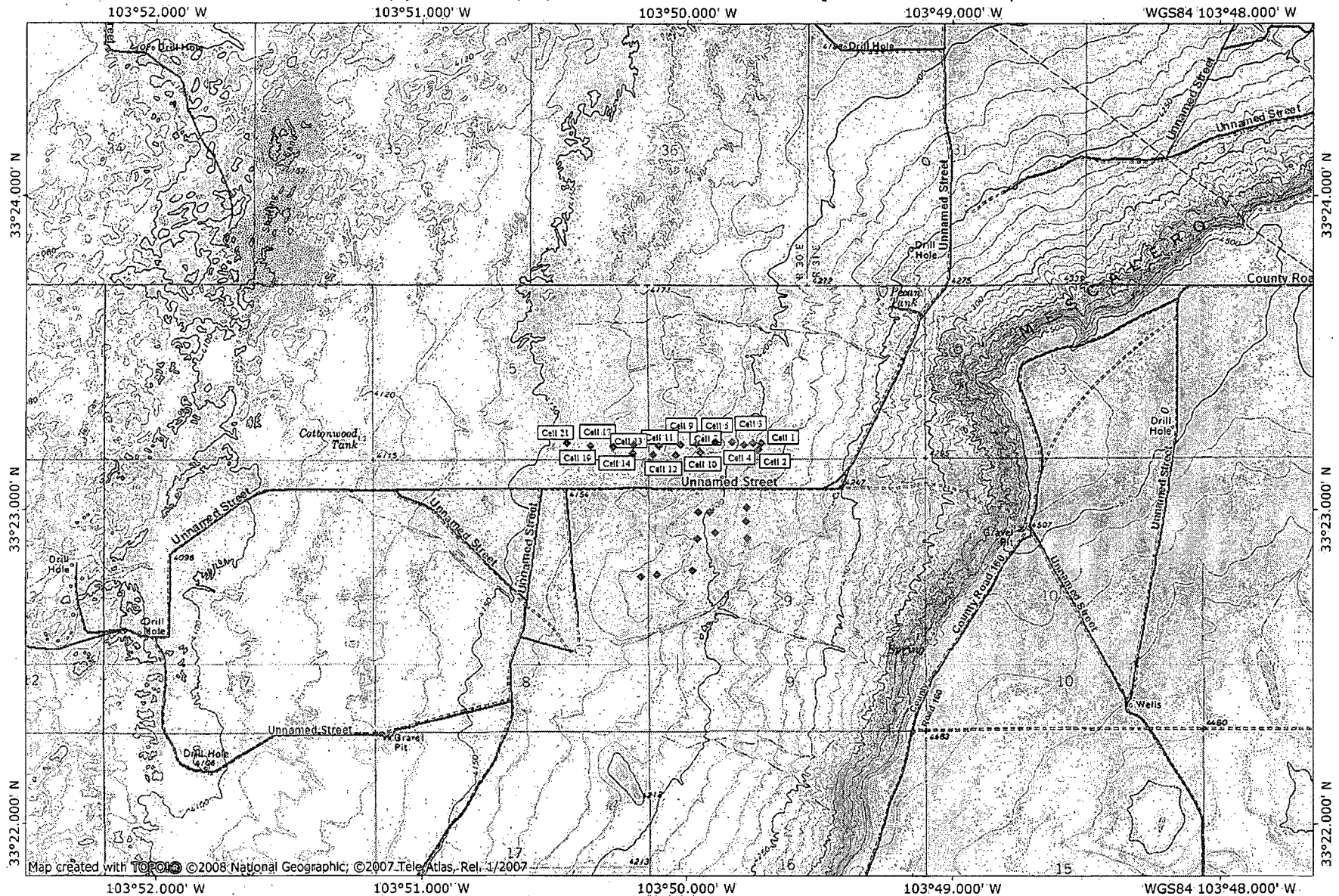
LIST OF APPENDICES

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

Figures:



TOPO! map printed on 12/15/10 from "GMI Landfarm Third Quarter 2010 NMOCD.tpo"



TN
MN
8°

01/05/11

Tables:

Summary Report

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

Report Date: November 15, 2010

Work Order: 10102925



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2010

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
249109	Cell 1	soil	2010-10-27	11:35	2010-10-29
249110	Cell 2	soil	2010-10-27	11:45	2010-10-29
249111	Cell 3	soil	2010-10-27	11:50	2010-10-29
249112	Cell 4	soil	2010-10-27	12:20	2010-10-29
249113	Cell 5	soil	2010-10-27	12:25	2010-10-29
249114	Cell 7	soil	2010-10-27	12:30	2010-10-29
249115	Cell 9	soil	2010-10-27	12:40	2010-10-29
249116	Cell 10	soil	2010-10-27	12:45	2010-10-29
249117	Cell 11	soil	2010-10-27	12:50	2010-10-29
249118	Cell 12	soil	2010-10-27	12:55	2010-10-29
249119	Cell 13	soil	2010-10-27	13:05	2010-10-29
249120	Cell 14	soil	2010-10-27	13:10	2010-10-29
249121	Cell 15	soil	2010-10-27	13:20	2010-10-29
249122	Cell 16	soil	2010-10-27	13:25	2010-10-29
249123	Cell 17	soil	2010-10-27	13:30	2010-10-29
249124	Cell 19	soil	2010-10-27	13:35	2010-10-29
249125	Cell 21	soil	2010-10-27	13:50	2010-10-29

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)
249109 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249110 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249111 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249112 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249113 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249114 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249115 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249116 - Cell 10	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

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)
249117 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249118 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249119 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
249120 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		22.5
249121 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		21.4
249122 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		18.1
249123 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		20.5
249124 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		20.4
249125 - Cell 21	<0.0200	0.0261	0.0210	0.0935		104

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 10/27/10
 Project / Client 3rd Quarter 2010 Soil Sampling
By: CMB Environmental & Geological Services Inc.

Page 1 of 2

Cell #	Time	GPS Coordinates	Remarks
Cell 1	11:35	33.38650 N 103.82886 W	Red Brown clayey med. gr. sand. No odor or stain c. 3' BGS
Cell 2	11:45	33.38685 N 103.82871 W	Red clayey med. gr. sand. No odor or stain c. 3' BGS
Cell 3	11:50	33.38683 N 103.82925 W	Tan brown to white sand / coliche mixture Gliche 20%. No odor or stain c. 3' BGS
Cell 4	12:20	33.38673 N 103.82973 W	" " " " Same as above
Cell 5	12:25	33.38691 N 103.83052 W	Brown Tan med. gr. sand. 10% coliche Nodules No odor or stain c. 3' BGS
Cell 7	12:30	33.38641 N 103.83157 W	Brown med. gr. sand. 10% coliche No odor or stain c. 3' BGS
Cell 9	12:40	33.38680 N 103.83269 W	Brown clayey sand - slight faint odor c. 3' BGS
Cell 10	12:45	33.38635 N 103.83251 W	" " " " Same as above
Cell 11	12:50	33.38675 N 103.83368 W	Tan med. gr. well sorted sand. No odor or stain c. 3' BGS
Cell 12	12:55	33.38622 N 103.83401 W	Brown clayey sand. slight odor No stain in c. 3' BGS

Location GMI Landfarm Date 10/27/10
 Project / Client 3rd Quarter 2010 Soil Sampling
By: CMB Environmental & Geological Services Inc.

Page 2 of 2

Cell #	Time	GPS Coordinates	Remarks
Cell 13	13:05	33.38668 N 103.83507 W	Red clayey sand. No odor or stain c. 3' BGS
Cell 14	13:10	33.38621 N 103.83540 W	Brown clayey sand No odor or stain c. 3' BGS
Cell 15	13:20	33.38674 N 103.83662 W	Red clayey sand. No odor or stain c. 3' BGS
Cell 16	13:25	33.38628 N 103.83665 W	Brown clayey sand. No odor or stain c. 3' BGS
Cell 17	13:30	33.38665 N 103.83791 W	" " " " Same as above
Cell 19	13:35	33.38668 N 103.83932 W	Red clayey sand. med. to fine gr. No odor or stain c. 3' BGS
Cell 21	13:50	33.38683 N 103.84055 W	Tan white coliche / sand mixture c. 10% BGS. No odor or stain

GPS Coordinates Downloaded from GPS for GMI
Landfarm Third Quarter 2010

TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time
WP0001,33,23.190,-103,49.734,2841,10/27/2010,04:42:26,
WP0002,33,23.211,-103,49.723,4222,10/27/2010,04:45:54,
WP0003,33,23.210,-103,49.755,4222,10/27/2010,04:51:24,
WP0004,33,23.203,-103,49.784,3970,10/27/2010,05:21:23,
WP0005,33,23.215,-103,49.831,4222,10/27/2010,05:27:02,
WP0006,33,23.214,-103,49.895,4193,10/27/2010,05:33:06,
WP0007,33,23.208,-103,49.961,4193,10/27/2010,05:39:54,
WP0008,33,23.181,-103,49.951,4219,10/27/2010,05:43:47,
WP0009,33,23.205,-103,50.021,4173,10/27/2010,05:51:50,
WP0010,33,23.173,-103,50.041,4203,10/27/2010,05:57:41,
WP0011,33,23.201,-103,50.104,4186,10/27/2010,06:05:09,
WP0012,33,23.172,-103,50.124,4180,10/27/2010,06:10:26,
WP0013,33,23.205,-103,50.197,4134,10/27/2010,06:19:35,
WP0014,33,23.177,-103,50.199,4183,10/27/2010,06:24:05,
WP0015,33,23.199,-103,50.275,4167,10/27/2010,06:29:36,
WP0016,33,23.201,-103,50.360,4183,10/27/2010,06:35:15,
WP0017,33,23.210,-103,50.450,4160,10/27/2010,06:48:05,
WP0018,33,22.909,-103,49.773,4222,10/27/2010,07:06:04,
WP0019,33,22.962,-103,49.777,4190,10/27/2010,07:13:23,
WP0020,33,23.005,-103,49.773,4226,10/27/2010,07:17:49,
WP0021,33,22.991,-103,49.956,4190,10/27/2010,07:24:28,
WP0022,33,22.905,-103,49.960,4209,10/27/2010,07:30:24,
WP0023,33,22.990,-103,49.915,4196,10/27/2010,07:35:47,
WP0024,33,22.927,-103,49.892,4209,10/27/2010,07:41:46,
WP0025,33,22.806,-103,49.976,4190,10/27/2010,07:50:26,
WP0026,33,22.791,-103,50.111,4196,10/27/2010,07:54:55,
WP0027,33,22.785,-103,50.167,4180,10/27/2010,08:01:19,

Appendix 3

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•578•1296 806•794•1296 FAX 806•794•1299
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
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

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

Report Date: November 15, 2010

Work Order: 10102925



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 3rd Quarter Soil Sampling 2010

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
249109	Cell 1	soil	2010-10-27	11:35	2010-10-29
249110	Cell 2	soil	2010-10-27	11:45	2010-10-29
249111	Cell 3	soil	2010-10-27	11:50	2010-10-29
249112	Cell 4	soil	2010-10-27	12:20	2010-10-29
249113	Cell 5	soil	2010-10-27	12:25	2010-10-29
249114	Cell 7	soil	2010-10-27	12:30	2010-10-29
249115	Cell 9	soil	2010-10-27	12:40	2010-10-29
249116	Cell 10	soil	2010-10-27	12:45	2010-10-29
249117	Cell 11	soil	2010-10-27	12:50	2010-10-29
249118	Cell 12	soil	2010-10-27	12:55	2010-10-29

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
249119	Cell 13	soil	2010-10-27	13:05	2010-10-29
249120	Cell 14	soil	2010-10-27	13:10	2010-10-29
249121	Cell 15	soil	2010-10-27	13:20	2010-10-29
249122	Cell 16	soil	2010-10-27	13:25	2010-10-29
249123	Cell 17	soil	2010-10-27	13:30	2010-10-29
249124	Cell 19	soil	2010-10-27	13:35	2010-10-29
249125	Cell 21	soil	2010-10-27	13:50	2010-10-29

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 24 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 2010-10-29 and assigned to work order 10102925. Samples for work order 10102925 were received intact at a temperature of 3.8 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	64223	2010-10-29 at 16:07	74867	2010-10-29 at 16:07
BTEX	S 8021B	64279	2010-11-01 at 15:02	74931	2010-11-01 at 15:02
BTEX	S 8021B	64280	2010-11-01 at 15:02	74932	2010-11-01 at 15:02
TPH 418.1	E 418.1	64597	2010-11-10 at 16:00	75305	2010-11-10 at 16:00

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 10102925 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: 249109 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74867
Prep Batch: 64223

Analytical Method: S 8021B
Date Analyzed: 2010-10-29
Sample Preparation: 2010-10-29

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)		1.84	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.95	mg/Kg	1	2.00	98	71.8 - 115

Sample: 249109 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249110 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		1.79	mg/Kg	1	2.00	90	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.62	mg/Kg	1	2.00	81	73.8 - 110

Sample: 249110 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249111 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	73.8 - 110

Sample: 249111 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249112 - Cell 4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		1.83	mg/Kg	1	2.00	92	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	73.8 - 110

Sample: 249112 - Cell 4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249113 - Cell 5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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 249113 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)		1.89	mg/Kg	1	2.00	94	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	73.8 - 110

Sample: 249113 - Cell 5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249114 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		1.91	mg/Kg	1	2.00	96	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.69	mg/Kg	1	2.00	84	73.8 - 110

Sample: 249114 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249115 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	73.8 - 110

Sample: 249115 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249116 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.72	mg/Kg	1	2.00	86	73.8 - 110

Sample: 249116 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249117 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.67	mg/Kg	1	2.00	84	73.8 - 110

Sample: 249117 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249118 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		1.84	mg/Kg	1	2.00	92	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	73.8 - 110

Sample: 249118 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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: 249119 - Cell 13

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 74931

Prep Batch: 64279

Analytical Method: S 8021B

Date Analyzed: 2010-11-01

Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.70	mg/Kg	1	2.00	85	73.8 - 110

Sample: 249119 - Cell 13

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 75305

Prep Batch: 64597

Analytical Method: E 418.1

Date Analyzed: 2010-11-10

Sample Preparation: 2010-11-10

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: 249120 - Cell 14

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 74931

Prep Batch: 64279

Analytical Method: S 8021B

Date Analyzed: 2010-11-01

Sample Preparation: 2010-11-01

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 249120 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)		2.05	mg/Kg	1	2.00	102	76.1 - 106
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	73.8 - 110

Sample: 249120 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		22.5	mg/Kg	1	10.0

Sample: 249121 - Cell 15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		2.08	mg/Kg	1	2.00	104	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.73	mg/Kg	1	2.00	86	73.8 - 110

Sample: 249121 - Cell 15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		21.4	mg/Kg	1	10.0

Sample: 249122 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		2.09	mg/Kg	1	2.00	104	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.91	mg/Kg	1	2.00	96	73.8 - 110

Sample: 249122 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		18.1	mg/Kg	1	10.0

Sample: 249123 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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)		1.92	mg/Kg	1	2.00	96	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.75	mg/Kg	1	2.00	88	73.8 - 110

Sample: 249123 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

Parameter	Flag	RL		Units	Dilution	RL
		Result				
TRPHC		20.5		mg/Kg	1	10.0

Sample: 249124 - Cell 19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74931
Prep Batch: 64279

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.75	mg/Kg	1	2.00	88	73.8 - 110

Sample: 249124 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		20.4	mg/Kg	1	10.0

Sample: 249125 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 74932
Prep Batch: 64280

Analytical Method: S 8021B
Date Analyzed: 2010-11-01
Sample Preparation: 2010-11-01

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		0.0261	mg/Kg	1	0.0200
Ethylbenzene		0.0210	mg/Kg	1	0.0200
Xylene	B	0.0935	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	100	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	73.8 - 110

Sample: 249125 - Cell 21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 75305
Prep Batch: 64597

Analytical Method: E 418.1
Date Analyzed: 2010-11-10
Sample Preparation: 2010-11-10

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

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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		104	mg/Kg	1	10.0

Method Blank (1) QC Batch: 74867

QC Batch: 74867 Date Analyzed: 2010-10-29 Analyzed By: ER
Prep Batch: 64223 QC Preparation: 2010-10-29 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00462	mg/Kg	0.02
Toluene		<0.00582	mg/Kg	0.02
Ethylbenzene		<0.00433	mg/Kg	0.02
Xylene		<0.00383	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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	71.8 - 115

Method Blank (1) QC Batch: 74931

QC Batch: 74931 Date Analyzed: 2010-11-01 Analyzed By: ER
Prep Batch: 64279 QC Preparation: 2010-11-01 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00629	mg/Kg	0.02
Toluene		<0.0108	mg/Kg	0.02
Ethylbenzene		<0.0117	mg/Kg	0.02
Xylene		<0.0145	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.87	mg/Kg	1	2.00	94	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.77	mg/Kg	1	2.00	88	73.8 - 110

Method Blank (1) QC Batch: 74932

QC Batch: 74932 Date Analyzed: 2010-11-01 Analyzed By: ER
Prep Batch: 64280 QC Preparation: 2010-11-01 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00629	mg/Kg	0.02
Toluene		<0.0108	mg/Kg	0.02
Ethylbenzene		<0.0117	mg/Kg	0.02
Xylene		0.122	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.80	mg/Kg	1	2.00	90	76.1 - 106
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	73.8 - 110

Method Blank (1) QC Batch: 75305

QC Batch: 75305
Prep Batch: 64597

Date Analyzed: 2010-11-10
QC Preparation: 2010-11-10

Analyzed By: DS
Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
TRPHC		<4.79	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 74867
Prep Batch: 64223

Date Analyzed: 2010-10-29
QC Preparation: 2010-10-29

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.69	mg/Kg	1	2.00	<0.00462	84	77.8 - 118
Toluene	1.58	mg/Kg	1	2.00	<0.00582	79	76.6 - 121
Ethylbenzene	1.58	mg/Kg	1	2.00	<0.00433	79	77 - 114
Xylene	4.83	mg/Kg	1	6.00	<0.00383	80	76.9 - 117

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	1.69	mg/Kg	1	2.00	<0.00462	84	77.8 - 118	0	20
Toluene	1.61	mg/Kg	1	2.00	<0.00582	80	76.6 - 121	2	20
Ethylbenzene	1.63	mg/Kg	1	2.00	<0.00433	82	77 - 114	3	20
Xylene	4.98	mg/Kg	1	6.00	<0.00383	83	76.9 - 117	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.69	1.68	mg/Kg	1	2.00	84	84	73.6 - 118
4-Bromofluorobenzene (4-BFB)	1.73	1.82	mg/Kg	1	2.00	86	91	73.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 74931
Prep Batch: 64279

Date Analyzed: 2010-11-01
QC Preparation: 2010-11-01

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	<0.00629	104	84.5 - 112
Toluene	2.02	mg/Kg	1	2.00	<0.0108	101	83.8 - 112
Ethylbenzene	2.10	mg/Kg	1	2.00	<0.0117	105	82.6 - 114
Xylene	6.51	mg/Kg	1	6.00	<0.0145	108	83.2 - 118

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	2.01	mg/Kg	1	2.00	<0.00629	100	84.5 - 112	3	20
Toluene	1.92	mg/Kg	1	2.00	<0.0108	96	83.8 - 112	5	20
Ethylbenzene	1.99	mg/Kg	1	2.00	<0.0117	100	82.6 - 114	5	20
Xylene	6.18	mg/Kg	1	6.00	<0.0145	103	83.2 - 118	5	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)	1.64	1.91	mg/Kg	1	2.00	82	96	79.4 - 112
4-Bromofluorobenzene (4-BFB)	1.81	1.89	mg/Kg	1	2.00	90	94	76.9 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 74932
Prep Batch: 64280

Date Analyzed: 2010-11-01
QC Preparation: 2010-11-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.04	mg/Kg	1	2.00	<0.00629	102	84.5 - 112
Toluene	2.02	mg/Kg	1	2.00	<0.0108	101	83.8 - 112
Ethylbenzene	2.03	mg/Kg	1	2.00	<0.0117	102	82.6 - 114
Xylene	6.46	mg/Kg	1	6.00	0.122	108	83.2 - 118

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
Benzene	2.11	mg/Kg	1	2.00	<0.00629	106	84.5 - 112	3	20
Toluene	2.06	mg/Kg	1	2.00	<0.0108	103	83.8 - 112	2	20
Ethylbenzene	2.11	mg/Kg	1	2.00	<0.0117	106	82.6 - 114	4	20
Xylene	6.66	mg/Kg	1	6.00	0.122	111	83.2 - 118	3	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	1.99	mg/Kg	1	2.00	96	100	79.4 - 112
4-Bromofluorobenzene (4-BFB)	2.18	2.17	mg/Kg	1	2.00	109	108	76.9 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 75305
Prep Batch: 64597

Date Analyzed: 2010-11-10
QC Preparation: 2010-11-10

Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	239	mg/Kg	1	250	<4.79	96	84.3 - 122

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	238	mg/Kg	1	250	<4.79	95	84.3 - 122	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: 249077

QC Batch: 74867
Prep Batch: 64223

Date Analyzed: 2010-10-29
QC Preparation: 2010-10-29

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.40	mg/Kg	1	2.00	<0.00462	70	55.2 - 129
Toluene	1.44	mg/Kg	1	2.00	<0.00582	72	56.6 - 142
Ethylbenzene	1.55	mg/Kg	1	2.00	<0.00433	78	57.9 - 143
Xylene	4.70	mg/Kg	1	6.00	0.0065	78	59 - 147

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	1.57	mg/Kg	1	2.00	<0.00462	78	55.2 - 129	11	20

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	1.63	mg/Kg	1	2.00	<0.00582	82	56.6 - 142	12	20
Ethylbenzene	1.75	mg/Kg	1	2.00	<0.00433	88	57.9 - 143	12	20
Xylene	5.34	mg/Kg	1	6.00	0.0065	89	59 - 147	13	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)	1.86	1.84	mg/Kg	1	2	93	92	59.6 - 138
4-Bromofluorobenzene (4-BFB)	1.97	1.87	mg/Kg	1	2	98	94	64.3 - 141

Matrix Spike (MS-1) Spiked Sample: 249110

QC Batch: 74931
Prep Batch: 64279

Date Analyzed: 2010-11-01
QC Preparation: 2010-11-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.71	mg/Kg	1	2.00	<0.00629	86	45.5 - 118
Toluene	1.75	mg/Kg	1	2.00	<0.0108	88	47.9 - 125
Ethylbenzene	1.90	mg/Kg	1	2.00	<0.0117	95	51.8 - 130
Xylene	5.88	mg/Kg	1	6.00	<0.0145	98	46.9 - 140

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	1.56	mg/Kg	1	2.00	<0.00629	78	45.5 - 118	9	20
Toluene	1.59	mg/Kg	1	2.00	<0.0108	80	47.9 - 125	10	20
Ethylbenzene	1.72	mg/Kg	1	2.00	<0.0117	86	51.8 - 130	10	20
Xylene	5.29	mg/Kg	1	6.00	<0.0145	88	46.9 - 140	11	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)	1.96	2.15	mg/Kg	1	2	98	108	79.2 - 124
4-Bromofluorobenzene (4-BFB)	1.70	1.76	mg/Kg	1	2	85	88	66.3 - 128

Matrix Spike (MS-1) Spiked Sample: 249327

QC Batch: 74932
Prep Batch: 64280

Date Analyzed: 2010-11-01
QC Preparation: 2010-11-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.39	mg/Kg	1	2.00	<0.00629	70	45.5 - 118
Toluene	1.46	mg/Kg	1	2.00	<0.0108	73	47.9 - 125
Ethylbenzene	1.58	mg/Kg	1	2.00	<0.0117	79	51.8 - 130
Xylene	4.99	mg/Kg	1	6.00	0.109	81	46.9 - 140

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	1.38	mg/Kg	1	2.00	<0.00629	69	45.5 - 118	1	20
Toluene	1.43	mg/Kg	1	2.00	<0.0108	72	47.9 - 125	2	20
Ethylbenzene	1.55	mg/Kg	1	2.00	<0.0117	78	51.8 - 130	2	20
Xylene	4.89	mg/Kg	1	6.00	0.109	80	46.9 - 140	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)	1.89	2.04	mg/Kg	1	2	94	102	79.2 - 124
4-Bromofluorobenzene (4-BFB)	1.78	1.79	mg/Kg	1	2	89	90	66.3 - 128

Matrix Spike (MS-1) Spiked Sample: 249397

QC Batch: 75305
Prep Batch: 64597

Date Analyzed: 2010-11-10
QC Preparation: 2010-11-10

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	300	mg/Kg	1	250	57.5	97	43 - 161

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	297	mg/Kg	1	250	57.5	96	43 - 161	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-2)

QC Batch: 74867

Date Analyzed: 2010-10-29

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	0.0804	80	80 - 120	2010-10-29

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene	1	mg/Kg	0.100	0.0773	77	80 - 120	2010-10-29
Ethylbenzene	2	mg/Kg	0.100	0.0786	79	80 - 120	2010-10-29
Xylene		mg/Kg	0.300	0.239	80	80 - 120	2010-10-29

Standard (CCV-3)

QC Batch: 74867

Date Analyzed: 2010-10-29

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	0.0866	87	80 - 120	2010-10-29
Toluene		mg/Kg	0.100	0.0835	84	80 - 120	2010-10-29
Ethylbenzene		mg/Kg	0.100	0.0825	82	80 - 120	2010-10-29
Xylene		mg/Kg	0.300	0.243	81	80 - 120	2010-10-29

Standard (CCV-1)

QC Batch: 74931

Date Analyzed: 2010-11-01

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	80 - 120	2010-11-01
Toluene		mg/Kg	0.100	0.0952	95	80 - 120	2010-11-01
Ethylbenzene		mg/Kg	0.100	0.0992	99	80 - 120	2010-11-01
Xylene		mg/Kg	0.300	0.308	103	80 - 120	2010-11-01

Standard (CCV-2)

QC Batch: 74931

Date Analyzed: 2010-11-01

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	0.104	104	80 - 120	2010-11-01
Toluene		mg/Kg	0.100	0.0999	100	80 - 120	2010-11-01
Ethylbenzene		mg/Kg	0.100	0.102	102	80 - 120	2010-11-01
Xylene		mg/Kg	0.300	0.314	105	80 - 120	2010-11-01

¹Analyte recovery low, outside CCV control limits. Toluene not detected in samples.

²Analyte recovery low, outside CCV control limits. Ethylbenzene not detected in samples.

Standard (CCV-3)

QC Batch: 74931

Date Analyzed: 2010-11-01

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	0.104	104	80 - 120	2010-11-01
Toluene		mg/Kg	0.100	0.109	109	80 - 120	2010-11-01
Ethylbenzene		mg/Kg	0.100	0.102	102	80 - 120	2010-11-01
Xylene		mg/Kg	0.300	0.336	112	80 - 120	2010-11-01

Standard (CCV-1)

QC Batch: 74932

Date Analyzed: 2010-11-01

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	0.0995	100	80 - 120	2010-11-01
Toluene		mg/Kg	0.100	0.0995	100	80 - 120	2010-11-01
Ethylbenzene		mg/Kg	0.100	0.0995	100	80 - 120	2010-11-01
Xylene		mg/Kg	0.300	0.319	106	80 - 120	2010-11-01

Standard (CCV-2)

QC Batch: 74932

Date Analyzed: 2010-11-01

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	0.105	105	80 - 120	2010-11-01
Toluene		mg/Kg	0.100	0.101	101	80 - 120	2010-11-01
Ethylbenzene		mg/Kg	0.100	0.103	103	80 - 120	2010-11-01
Xylene		mg/Kg	0.300	0.318	106	80 - 120	2010-11-01

Standard (CCV-1)

QC Batch: 75305

Date Analyzed: 2010-11-10

Analyzed By: DS

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	2010-11-10

Report Date: November 15, 2010
3rd Quarter Soil Sampling 2010

Work Order: 10102925
GMI Landfarm

Page Number: 24 of 24
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Standard (CCV-2)

QC Batch: 75305

Date Analyzed: 2010-11-10

Analyzed By: DS

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	2010-11-10

Standard (CCV-3)

QC Batch: 75305

Date Analyzed: 2010-11-10

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	96.6	97	80 - 120	2010-11-10

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-12965002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313200 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 Merley Inc. Phone #: 575-347-0434
 Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435
 Contact Person: Larry Gandy E-mail: GmI@dtn.com
 Invoice to: (If different from above) Testa

Project #: 3rd Quarter 2010 Soil Sampling Project Name: GMI Landfill
 Project Location (including state): SOL. 4, 5, 8, 9, T. 11 S. R. 31 E. Charles Co. NM Sampler Signature: [Signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021 / 602 / 8260 / 625	GTEX 8021 / 602 / 8260 / 625	PH 418 / TX1005	TPH 8015 GRO / DRO	PAH 8270 / 625	Total Metals Ag As Ba C	TCLP Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 6	GC/MS Semi. Vol. 8	PCB's 8082 / 608	Pesticides 8081 / 60	BOD, TSS, pH	Moisture Content	Cl, F1, S04, NO3, NO	Na, Ca, Mg, K, TDS,	Turn Around Time if	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE																						TIME

249109	Cell 1	1	4oz	X							X	X	10/27/10	1135	X	X																			
110	Cell 2													1145																					
111	Cell 3													1150																					
112	Cell 4													1220																					
113	Cell 5													1225																					
114	Cell 7													1230																					
115	Cell 9													1240																					
116	Cell 10													1245																					
117	Cell 11													1250																					
118	Cell 12													1255																					
119	Cell 13													1305																					

Relinquished by: [Signature] Company: CMB Date: 10/29/10 Time: 0900

Relinquished by: _____ Company: _____ Date: _____ Time: _____

Relinquished by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: [Signature] Company: Lubbock Date: 10/29/10 Time: 9:40

INST _____
OBS _____
COR _____

INST _____
OBS _____
COR _____

INST IK
OBS 3.9
COR 3.8

LAB USE ONLY

Intact Y / NHeadspace Y / N NALog-in-Review MA

REMARKS:

Please Send Copy of
Results ASAP To:
Cmbenviro@dtn.com

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-12965002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313200 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: Grand Marley Inc. Phone #: 575-347-0434
 Address: PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435
 Contact Person: Larry Gandy E-mail: larrygandy@575-399-5721 GMI@GTH.COM

Invoice to:
 (If different from above)

Project #: 3rd Quarter 2010 Soil Sampling GMI Landfarm Project Name: GMI Landfarm

Project Location (including state): Sec. 4, 5, 8, 9 T. 11S. R. 31E. Chaves Co NM Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		
249120	Cell 14	1	4oz	X								X	X	10/27/10 1310	X
121	Cell 15													1320	
122	Cell 16													1325	
123	Cell 17													1330	
124	Cell 19													1335	
125	Cell 21													1350	
(No Temp Blank in Sample Kit)															

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	TEX 8021 / 602 / 8260 / 624	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	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, S, NO ₃ , NO ₂ , Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
------------------------------	-----------------------------	---------------------------	----------------	---	-------------------------------------	----------------	---------------------	-----------------	-----	-----------------------	-----------------------------	------------------	-----------------------	--------------	------------------	--	------------------------	---	------

Relinquished by: [Signature] Company: CMB Date: 10/28/10 Time: 0900

Relinquished by: _____ Company: _____ Date: _____ Time: _____

Relinquished by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: Trace Company: Lubbock Date: 10/29/10 Time: 9:40

INST _____
OBS _____
COR _____

INST _____
OBS _____
COR _____

INST IR
OBS 39
COR 38

LAB USE ONLY

Intact Y / N

Headspace Y / N

Log-in-Review

REMARKS:

Please Send Copy of
 Results ASAP To:
Cmbenviro@GTH.COM

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

November 9, 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

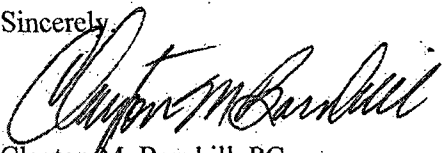
**Re: Submittal of Second Quarterly Monitoring Report for Year 2010
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

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
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@dfn.com

Cc: Gandy Marley Inc.

RECEIVED OGD
2010 NOV 15 P 3:42

**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:

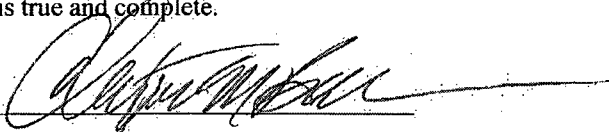
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **November 9, 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:

11/09/2010

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 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 2010 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 2010 sampling / monitoring was performed on August 11, 2010. 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 Solinst 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 Solinst 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 (Mg/Kg) BTEX, and TPH concentrations (≤ 14.7 (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 Solinst 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 < 0.0200 (Mg/Kg), and TPH Concentrations ≤ 14.7 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

LIST OF TABLES

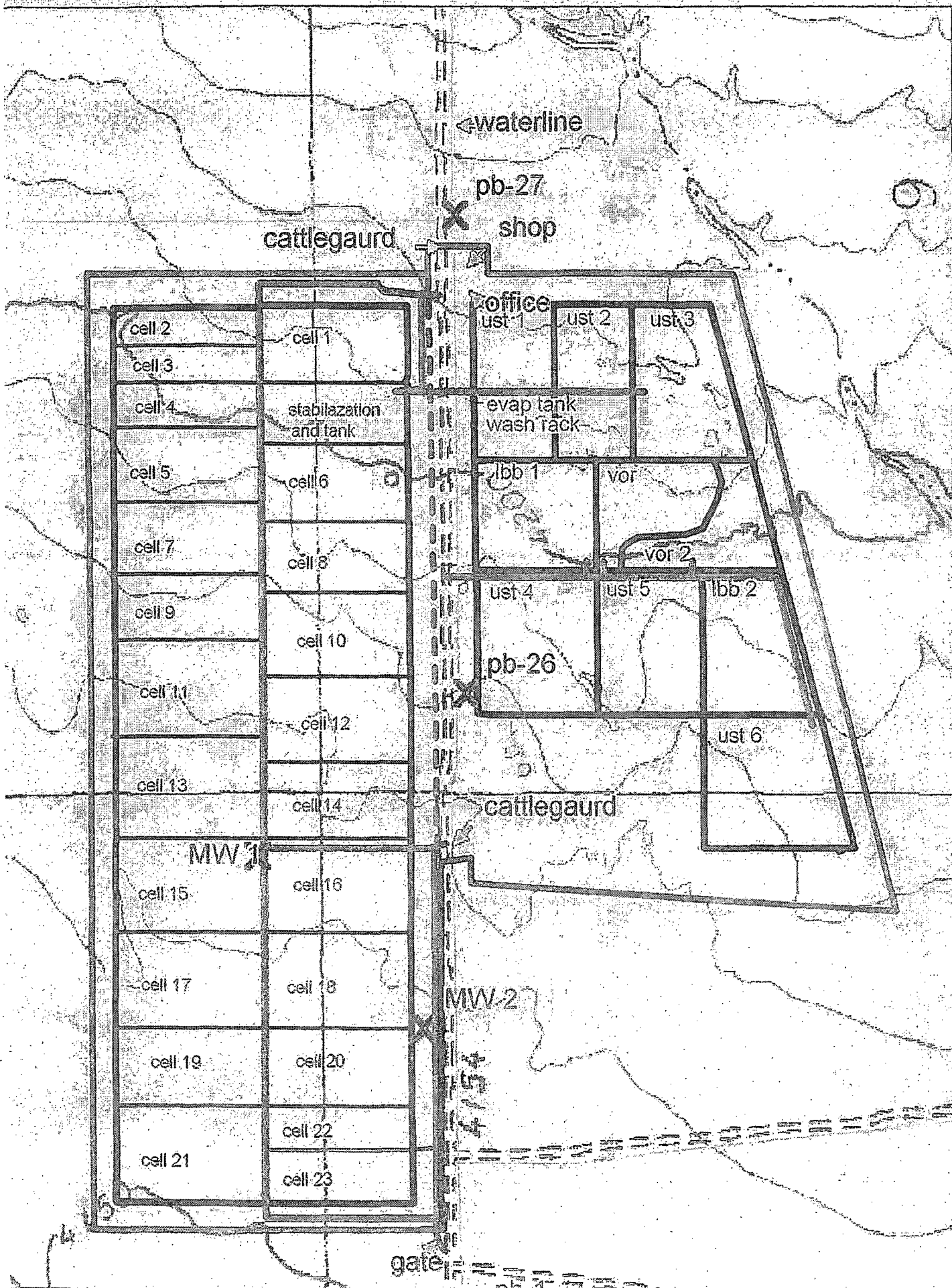
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

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

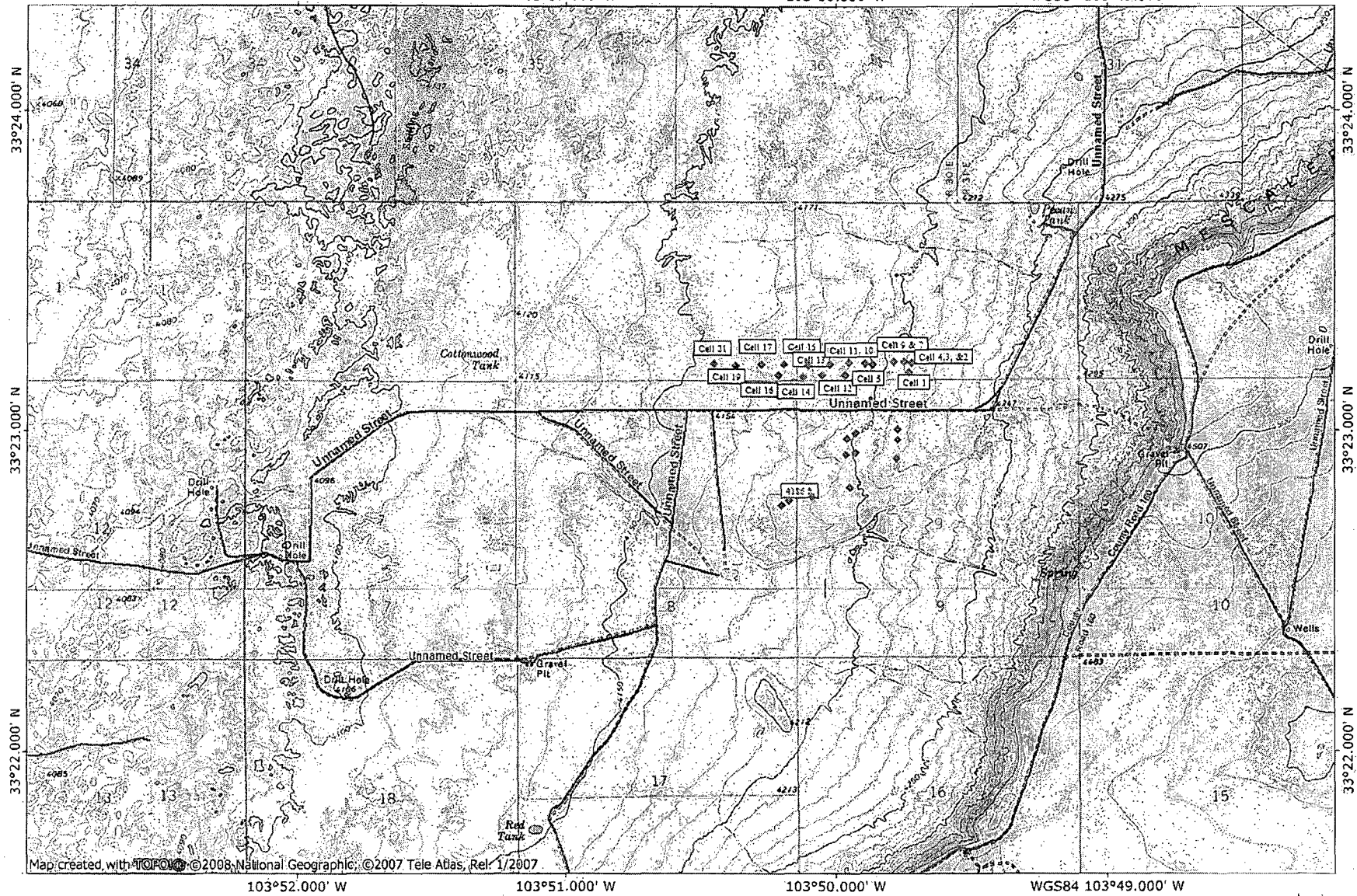
Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: November 9, 2010

Figures:



TOPO! map printed on 11/09/10 from "GMI Landfarm Second Quarter 2010 NMOCD.tpo"

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



Map created with TOPO! © 2008 National Geographic, © 2007 Tele Atlas, Rel. 1/2007



TN MN
8°

11/09/10

Tables:

Summary Report

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

Report Date: August 23, 2010

Work Order: 10081307



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter 2010 Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240884	Cell 1	soil	2010-08-11	12:50	2010-08-13
240885	Cell 2	soil	2010-08-11	12:55	2010-08-13
240886	Cell 3	soil	2010-08-11	12:45	2010-08-13
240887	Cell 4	soil	2010-08-11	12:40	2010-08-13
240888	Cell 5	soil	2010-08-11	12:30	2010-08-13
240889	Cell 7	soil	2010-08-11	12:25	2010-08-13
240890	Cell 9	soil	2010-08-11	12:10	2010-08-13
240891	Cell 10	soil	2010-08-11	12:20	2010-08-13
240892	Cell 11	soil	2010-08-11	11:55	2010-08-13
240893	Cell 12	soil	2010-08-11	12:00	2010-08-13
240894	Cell 13	soil	2010-08-11	11:45	2010-08-13
240895	Cell 15	soil	2010-08-11	11:35	2010-08-13
240896	Cell 16	soil	2010-08-11	11:40	2010-08-13
240897	Cell 17	soil	2010-08-11	11:30	2010-08-13
240898	Cell 19	soil	2010-08-11	11:25	2010-08-13
240899	Cell 21	soil	2010-08-11	11:00	2010-08-13
240900	Cell 14	soil	2010-08-11	11:50	2010-08-13

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)
240884 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240885 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240886 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240887 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240888 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240889 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240890 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240891 - Cell 10	<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)
240892 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240893 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240894 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240895 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240896 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240897 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240898 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240899 - Cell 21	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
240900 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		14.7

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 08/11/10Project / Client 2nd Quarter 2010 SoilSampling By: CMB Environmental & Geological Services, Inc.

Page 1 of 3

Cell # Time GPS Coordinates Remarks

#21	11:00	33.38686 N 103.84283 W	Brown clayey Sand w/ 10% Oolite NO odor or stain 010/865
#19	11:25	33.38675 N 103.83948 W	Red clayey Sand NO odor or stain 3' BGS
#17	11:30	33.38681 N 103.83781 W	Brown med. gr. well sorted sand NO odor or stain 3' BGS
#15	11:35	33.38681 N 103.83646 W	Brown clayey Sand w/ 10% Oolite pebbles 5cm. NO odor or stain 3' BGS
#16	11:40	33.38626 N 103.83676 W	Brown med. gr. Sand well sorted NO odor or stain 2' BGS
#13	11:45	33.38676 N 103.83498 W	Red clayey Sand med. gr. Sand well sorted NO odor or stain 3' BGS
#14	11:50	33.38618 N 103.83628 W	Brown med. well sorted NO odor or stain 3' BGS

Location GMI Landfarm Date 08/11/10 T1Project / Client 2nd Quarter 2010 SoilSampling By: CMB Environmental & Geological Services, Inc.

Page 2 of 3

Cell # Time GPS Coordinates Remarks

#11	11:55	33.38678 N 103.83366 W	Greenish tan to Brown Sand slight decayed hydrocarbon odor - hydrocarbon 03/865
#12	12:00	33.38625 N 103.83413	Brown clayey Sand med. gr. well sorted NO odor or stain 3' BGS
#11	12:10	33.38690 N 103.83250 W	Brown tan clayey sand med. gr. well sorted 10% Calcite to 2mm NO odor or stain 03/865
#10	12:20	33.38628 N 103.83274 W	Brown clayey Sand - NO odor or stain 3' BGS
#12	12:25	33.38682 N 103.83147 W	Brown clayey Sand NO odor or stain 03/865
#12	12:30	33.38680 N 103.83102 W	Brown tan clayey Sand - NO odor or stain 03/865

Location GMI Land FarmDate 08/11/10Project / Client 2nd Quarter 2010 Soil Sampling
By: CMB Environmental & Geological
Services Inc.

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Core #	Time	GPS Coordinates	Remarks
#4	12:40	33.38692 N 103.82975 W	Brown Tan sand w/ 10% 2mm coliche mod. fine No roots or stick 3' deep
#3	12:45	33.38694 N 103.82909 W	Red clayey sand w/ sl. fine green particles sl. fine sand 2' deep
#1	12:50	33.38642 N 103.82880 W	Brown clayey sand w/ calc. pebbles 2mm to 10mm No roots or sticks 3' deep
#2	12:55	33.38689 N 103.82663 W	Reddish Brown clayey sand mod. fine well sorted No roots or sticks 3' deep

Location _____

Date _____

Project / Client _____

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
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

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

Report Date: August 23, 2010

Work Order: 10081307



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Quarter 2010 Soil Sampling

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
240884	Cell 1	soil	2010-08-11	12:50	2010-08-13
240885	Cell 2	soil	2010-08-11	12:55	2010-08-13
240886	Cell 3	soil	2010-08-11	12:45	2010-08-13
240887	Cell 4	soil	2010-08-11	12:40	2010-08-13
240888	Cell 5	soil	2010-08-11	12:30	2010-08-13
240889	Cell 7	soil	2010-08-11	12:25	2010-08-13
240890	Cell 9	soil	2010-08-11	12:10	2010-08-13
240891	Cell 10	soil	2010-08-11	12:20	2010-08-13
240892	Cell 11	soil	2010-08-11	11:55	2010-08-13
240893	Cell 12	soil	2010-08-11	12:00	2010-08-13

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240894	Cell 13	soil	2010-08-11	11:45	2010-08-13
240895	Cell 15	soil	2010-08-11	11:35	2010-08-13
240896	Cell 16	soil	2010-08-11	11:40	2010-08-13
240897	Cell 17	soil	2010-08-11	11:30	2010-08-13
240898	Cell 19	soil	2010-08-11	11:25	2010-08-13
240899	Cell 21	soil	2010-08-11	11:00	2010-08-13
240900	Cell 14	soil	2010-08-11	11:50	2010-08-13

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 2010-08-13 and assigned to work order 10081307. Samples for work order 10081307 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
BTEX	S 8021B	62295	2010-08-16 at 15:30	72669	2010-08-16 at 15:30
TPH 418.1	E 418.1	62421	2010-08-16 at 17:00	72805	2010-08-20 at 17:46

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 10081307 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: 240884 - Cell 1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240884 - Cell 1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240885 - Cell 2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.89	mg/Kg	1	2.00	94	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240885 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240886 - Cell 3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240886 - Cell 3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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

Report Date: August 23, 2010
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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 240887 - Cell 4

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 72669

Prep Batch: 62295

Analytical Method: S 8021B

Date Analyzed: 2010-08-16

Sample Preparation: 2010-08-16

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)		1.66	mg/Kg	1	2.00	83	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.73	mg/Kg	1	2.00	86	71.8 - 115

Sample: 240887 - Cell 4

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 72805

Prep Batch: 62421

Analytical Method: E 418.1

Date Analyzed: 2010-08-20

Sample Preparation: 2010-08-16

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: 240888 - Cell 5

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 72669

Prep Batch: 62295

Analytical Method: S 8021B

Date Analyzed: 2010-08-16

Sample Preparation: 2010-08-16

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 240888 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)		1.90	mg/Kg	1	2.00	95	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240888 - Cell 5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240889 - Cell 7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.81	mg/Kg	1	2.00	90	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.02	mg/Kg	1	2.00	101	71.8 - 115

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Sample: 240889 - Cell 7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240890 - Cell 9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.85	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.98	mg/Kg	1	2.00	99	71.8 - 115

Sample: 240890 - Cell 9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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

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Sample: 240891 - Cell 10

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.81	mg/Kg	1	2.00	90	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.98	mg/Kg	1	2.00	99	71.8 - 115

Sample: 240891 - Cell 10

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240892 - Cell 11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.85	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.98	mg/Kg	1	2.00	99	71.8 - 115

Sample: 240892 - Cell 11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240893 - Cell 12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240893 - Cell 12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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

Report Date: August 23, 2010
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Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		<10.0	mg/Kg	1	10.0

Sample: 240894 - Cell 13

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 72669

Prep Batch: 62295

Analytical Method: S 8021B

Date Analyzed: 2010-08-16

Sample Preparation: 2010-08-16

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)		1.83	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	71.8 - 115

Sample: 240894 - Cell 13

Laboratory: Lubbock

Analysis: TPH 418.1

QC Batch: 72805

Prep Batch: 62421

Analytical Method: E 418.1

Date Analyzed: 2010-08-20

Sample Preparation: 2010-08-16

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: 240895 - Cell 15

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 72669

Prep Batch: 62295

Analytical Method: S 8021B

Date Analyzed: 2010-08-16

Sample Preparation: 2010-08-16

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 240895 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)		1.85	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	71.8 - 115

Sample: 240895 - Cell 15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240896 - Cell 16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.80	mg/Kg	1	2.00	90	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	71.8 - 115

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Sample: 240896 - Cell 16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240897 - Cell 17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.85	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	71.8 - 115

Sample: 240897 - Cell 17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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

Report Date: August 23, 2010
2nd Quarter 2010 Soil Sampling

Work Order: 10081307
GMI Landfarm

Page Number: 14 of 20
Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Sample: 240898 - Cell 19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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)		1.79	mg/Kg	1	2.00	90	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	71.8 - 115

Sample: 240898 - Cell 19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240899 - Cell 21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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 23, 2010
2nd Quarter 2010 Soil Sampling

Work Order: 10081307
GMI Landfarm

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/Kg	1	2.00	92	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	71.8 - 115

Sample: 240899 - Cell 21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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: 240900 - Cell 14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 72669
Prep Batch: 62295

Analytical Method: S 8021B
Date Analyzed: 2010-08-16
Sample Preparation: 2010-08-16

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	71.6 - 116
4-Bromofluorobenzene (4-BFB)		2.05	mg/Kg	1	2.00	102	71.8 - 115

Sample: 240900 - Cell 14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 72805
Prep Batch: 62421

Analytical Method: E 418.1
Date Analyzed: 2010-08-20
Sample Preparation: 2010-08-16

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

Report Date: August 23, 2010
2nd Quarter 2010 Soil Sampling

Work Order: 10081307
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		14.7	mg/Kg	1	10.0

Method Blank (1) QC Batch: 72669

QC Batch: 72669
Prep Batch: 62295

Date Analyzed: 2010-08-16
QC Preparation: 2010-08-16

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00462	mg/Kg	0.02
Toluene		<0.00582	mg/Kg	0.02
Ethylbenzene		<0.00433	mg/Kg	0.02
Xylene		<0.00383	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.77	mg/Kg	1	2.00	88	71.6 - 116
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	71.8 - 115

Method Blank (1) QC Batch: 72805

QC Batch: 72805
Prep Batch: 62421

Date Analyzed: 2010-08-20
QC Preparation: 2010-08-16

Analyzed By: DS
Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
TRPHC		<4.79	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 72669
Prep Batch: 62295

Date Analyzed: 2010-08-16
QC Preparation: 2010-08-16

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.87	mg/Kg	1	2.00	<0.00462	94	77.8 - 118
Toluene	1.81	mg/Kg	1	2.00	<0.00582	90	76.6 - 121
Ethylbenzene	1.85	mg/Kg	1	2.00	<0.00433	92	77 - 114
Xylene	5.57	mg/Kg	1	6.00	<0.00383	93	76.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: August 23, 2010
2nd Quarter 2010 Soil Sampling

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GMI Landfarm

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.80	mg/Kg	1	2.00	<0.00462	90	77.8 - 118	4	20
Toluene	1.74	mg/Kg	1	2.00	<0.00582	87	76.6 - 121	4	20
Ethylbenzene	1.77	mg/Kg	1	2.00	<0.00433	88	77 - 114	4	20
Xylene	5.37	mg/Kg	1	6.00	<0.00383	90	76.9 - 117	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)	1.78	1.79	mg/Kg	1	2.00	89	90	73.6 - 118
4-Bromofluorobenzene (4-BFB)	1.93	1.90	mg/Kg	1	2.00	96	95	73.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 72805
Prep Batch: 62421

Date Analyzed: 2010-08-20
QC Preparation: 2010-08-16

Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	239	mg/Kg	1	250	<4.79	96	84.3 - 122

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	238	mg/Kg	1	250	<4.79	95	84.3 - 122	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: 241081

QC Batch: 72669
Prep Batch: 62295

Date Analyzed: 2010-08-16
QC Preparation: 2010-08-16

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.79	mg/Kg	1	2.00	<0.00462	90	55.2 - 129
Toluene	1.87	mg/Kg	1	2.00	<0.00582	94	56.6 - 142
Ethylbenzene	2.02	mg/Kg	1	2.00	<0.00433	101	57.9 - 143
Xylene	6.14	mg/Kg	1	6.00	<0.00383	102	59 - 147

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	<0.00462	85	55.2 - 129	5	20

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	1.77	mg/Kg	1	2.00	<0.00582	88	56.6 - 142	6	20
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.00433	96	57.9 - 143	5	20
Xylene	5.90	mg/Kg	1	6.00	<0.00383	98	59 - 147	4	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)	1.91	1.86	mg/Kg	1	2	96	93	59.6 - 138
4-Bromofluorobenzene (4-BFB)	2.06	2.05	mg/Kg	1	2	103	102	64.3 - 141

Matrix Spike (MS-1) Spiked Sample: 240619

QC Batch: 72805
Prep Batch: 62421

Date Analyzed: 2010-08-20
QC Preparation: 2010-08-16

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	216	mg/Kg	1	250	<4.79	86	43 - 161

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	216	mg/Kg	1	250	<4.79	86	43 - 161	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: 72669

Date Analyzed: 2010-08-16

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	0.0882	88	80 - 120	2010-08-16
Toluene		mg/Kg	0.100	0.0824	82	80 - 120	2010-08-16
Ethylbenzene		mg/Kg	0.100	0.0849	85	80 - 120	2010-08-16
Xylene		mg/Kg	0.300	0.257	86	80 - 120	2010-08-16

Standard (CCV-2)

QC Batch: 72669

Date Analyzed: 2010-08-16

Analyzed By: ER

Report Date: August 23, 2010
2nd Quarter 2010 Soil Sampling

Work Order: 10081307
GMI Landfarm

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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	0.0893	89	80 - 120	2010-08-16
Toluene		mg/Kg	0.100	0.0864	86	80 - 120	2010-08-16
Ethylbenzene		mg/Kg	0.100	0.0884	88	80 - 120	2010-08-16
Xylene		mg/Kg	0.300	0.268	89	80 - 120	2010-08-16

Standard (CCV-3)

QC Batch: 72669

Date Analyzed: 2010-08-16

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	0.0909	91	80 - 120	2010-08-16
Toluene		mg/Kg	0.100	0.0880	88	80 - 120	2010-08-16
Ethylbenzene		mg/Kg	0.100	0.0901	90	80 - 120	2010-08-16
Xylene		mg/Kg	0.300	0.272	91	80 - 120	2010-08-16

Standard (CCV-1)

QC Batch: 72805

Date Analyzed: 2010-08-20

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	2010-08-20

Standard (CCV-2)

QC Batch: 72805

Date Analyzed: 2010-08-20

Analyzed By: DS

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	2010-08-20

Standard (CCV-3)

QC Batch: 72805

Date Analyzed: 2010-08-20

Analyzed By: DS

Report Date: August 23, 2010
2nd Quarter 2010 Soil Sampling

Work Order: 10081307
GMI Landfarm

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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	102	102	80 - 120	2010-08-20

Standard (CCV-4)

QC Batch: 72805

Date Analyzed: 2010-08-20

Analyzed By: DS

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	2010-08-20

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Gandy Marley Inc. Phone #: 575-347-0434
Address: PO Box 1658 Roswell NM 88202 Fax #: 575-347-0435
Contact Person: Larry Gandy E-mail: GMI@dfn.com

Invoice to:
(If different from above)

Project #: 1st Quarter 2010 Soil Sampling Project Name: GMI Land Farm

Project Location (including state): Sec. 4, 5, 8, 9 T.11.S. R.31E. Chaves Co. NM Sampler Signature: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021 / 602 / 8260 / 625	STEX 8021 / 602 / 8260 / 625	EPH 418 / TX1005	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	RCL	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Relinquished by: [Signature] Company: CMB Date: 08/12/10 Time: 0800
Received by: _____ Company: _____ Date: _____ Time: _____
INST _____ OBS _____ COR _____
Relinquished by: _____ Company: _____ Date: _____ Time: _____
Received by: _____ Company: _____ Date: _____ Time: _____
INST _____ OBS _____ COR _____
Relinquished by: _____ Company: _____ Date: _____ Time: _____
Received by: Brenda Ward Company: Trace Date: 8/13/10 Time: 9:15
INST IK OBS 4.1 COR 4.5

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review NA
REMARKS: Please Send Copy of Analysis Results ASAP to cmbenviro@dfn.com
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

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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Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name:	Gandy Marley Inc.	Phone #:	575-347-0434
Address: (Street, City, Zip)	PO Box 1658 Roswell NM 88202	Fax #:	575-347-0435
Contact Person:	Larry Gandy @ 575-399-5721	E-mail:	GMI@th.lcm
Invoice to:			
(If different from above)			

Project#:	2nd Quarter 2010 Soil Sampling	Project Name:	GMI Land Farm
Project Location (including state):	Sec. 4, 5, 8, 9 T.11.S. R21E. @ Graves Co NM	Sampler Signature:	[Signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Relinquished by: [Signature] Company: CMB Date: 08/12/10 Time: 0800

Relinquished by: Company: Date: Time:

Relinquished by: Company: Date: Time:

Received by:	Company:	Date:	Time:	INST _____
				OBS _____
				COR _____

Received by: Company: Date: Time: INST_____

Received by: Brenda Lee Company: Trac Date: 8/13/0 Time: 9:15 INST JK
OBS 4.1
COR 4.5

LAB USE ONLY

Intact γ / N

☒ Intact ☐ D/NHeadspace Y

•

Log-In-Review

1

REMARKS:

REMARKS: Please Send Copy of Analysis Results ASAP to cmbenviro@ltn.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 # GLI 3058774532

RECEIVED OOD

2010 AUG 11 P 2:24

August 9, 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

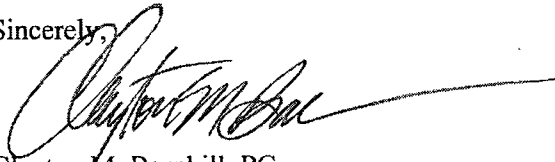
**Re: Submittal of First Quarterly Monitoring Report for Year 2010
Gandy Marley Inc., Commercial Landfarm
Gandy Marley Inc., Operator / PRP
SW/4 of Section 4, SE/4 of Section 5, NE/4 of Section 8, & NW/4 of Section 9,
T. 11 S., R.31 E., NMPM
Chaves County, New Mexico
Commercial Landfarm Permit (NM-01-0019)**

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
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@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:

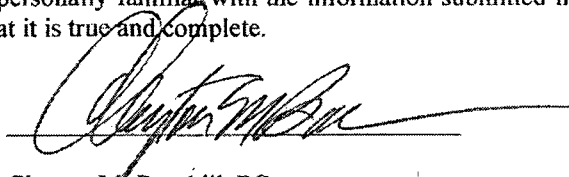
Clayton M. Barnhill, PG, CMB Environmental & Geological Services, Inc.

7. Date of report: **August 9, 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:

08/09/2010

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 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 2010 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 2010 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 Solinst 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 Solinst 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 <0.0222 (Mg/Kg) BTEX, and TPH concentrations (≤ 10.5 (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 Solinst 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 <0.0222 (Mg/Kg), and TPH Concentrations ≤ 10.5 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

LIST OF TABLES

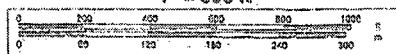
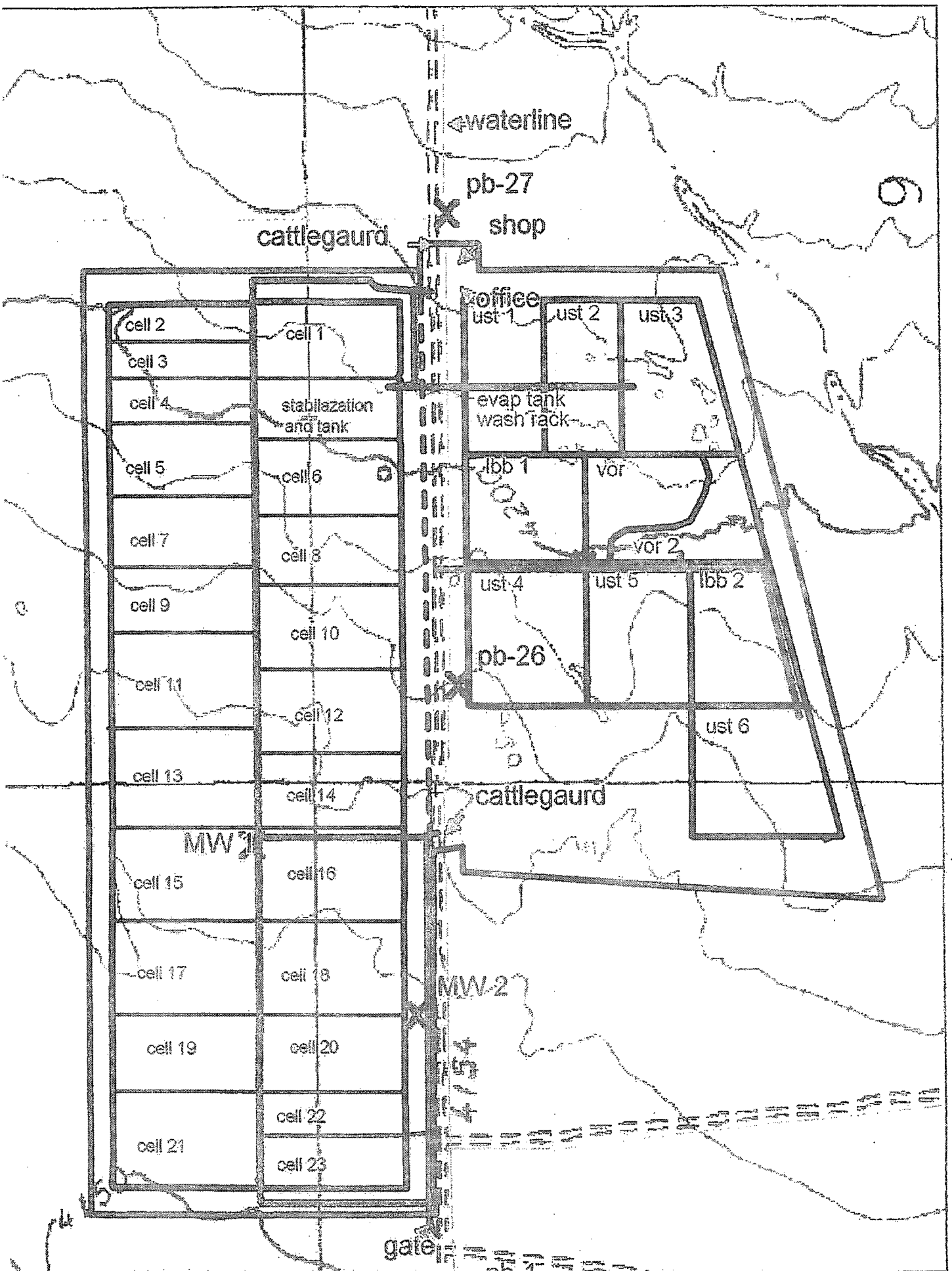
Table	Included	N/A
1 Lab Analysis Summary Reports of Cell Soil Samples	X	

LIST OF APPENDICES

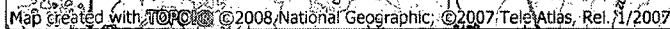
Appendix	Included	N/A
1 Sampling Protocol	X	
2 Field Notes /with GPS Coordinates of samples	X	
3 Laboratory Reports	X	

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 9, 2010

Figures:



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



08/09/10

Site Name: Gandy Marley Landfarm
Commercial Landfarm Permit NM-01-0019
Report Date: August 9, 2010

Tables:

Summary Report

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

Report Date: May 13, 2010

Work Order: 10050614



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2010

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
230733	Cell #1	soil	2010-05-04	13:30	2010-05-06
230734	Cell #2	soil	2010-05-04	13:25	2010-05-06
230735	Cell #3	soil	2010-05-04	13:15	2010-05-06
230736	Cell #4	soil	2010-05-04	13:10	2010-05-06
230737	Cell #5	soil	2010-05-04	13:05	2010-05-06
230738	Cell #7	soil	2010-05-04	12:55	2010-05-06
230739	Cell #9	soil	2010-05-04	12:50	2010-05-06
230740	Cell #11	soil	2010-05-04	12:40	2010-05-06
230741	Cell #12	soil	2010-05-04	12:45	2010-05-06
230742	Cell #13	soil	2010-05-04	12:30	2010-05-06
230743	Cell #14	soil	2010-05-04	12:25	2010-05-06
230744	Cell #15	soil	2010-05-04	12:15	2010-05-06
230745	Cell #16	soil	2010-05-04	12:20	2010-05-06
230746	Cell #17	soil	2010-05-04	12:05	2010-05-06
230747	Cell #19	soil	2010-05-04	11:55	2010-05-06
230748	Cell #21	soil	2010-05-04	11:45	2010-05-06

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)
230733 - Cell #1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230734 - Cell #2	<0.0200	<0.0200	<0.0200	0.0222		<10.0
230735 - Cell #3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230736 - Cell #4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230737 - Cell #5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230738 - Cell #7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230739 - Cell #9	<0.0200	<0.0200	<0.0200	<0.0200		10.5
230740 - Cell #11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230741 - 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)
230742 - Cell #13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230743 - Cell #14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230744 - Cell #15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230745 - Cell #16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230746 - Cell #17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230747 - Cell #19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
230748 - 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 Landfarm Date 05/04/10
 Project/Client 1st Quarter 2010 Soil Sampling
 By: OMB Environmental & Geological Services Inc.
Page 1 of 4

Cell	Time	GPS Coordinates	Remarks
Cell #1	13:30	33.38643 N 103.82857 W	Brown clayey sand - No odor or stain @ 3' BGS
Cell #2	13:25	33.38699 N 103.82890 W	Red clayey sand - No odor or stain @ 3' BGS
Cell #3	13:15	33.38692 N 103.82948 W	Tan brown sand w/ 10% clay - No odor or stain @ 3' BGS
Cell #4	13:10	33.38700 N 103.82973 W	Tan sand w/ 10% clay - No odor or stain @ 3' BGS
Cell #5	13:05	33.38710 N 103.83035 W	Brown sand w/ 10% clay to 4 mm NP odor or stain @ 2' BGS
Cell #6	out of service		

Location GMI Landfarm Date 05/04/10
 Project/Client 1st Quarter 2010 Soil Sampling
 By: OMB Environmental & Geological Services Inc.
Page 2 of 4

Cell	Time	GPS Coordinates	Remarks
Cell #7	12:55	33.38711 N 103.83152 W	Tan brown sand w/ 10% clay - to 3mm No odor or stain @ 3' BGS
Cell #8	out of service		
Cell #9	12:50	33.38705 N 103.83252 W	Brown clayey sand - No odor or stain @ 3' BGS
Cell #10	out of service		
Cell #11	12:40	33.38671 N 103.83460 W	Red clayey sand - incl. 50 well sorted No odor or stain @ 3' BGS
Cell #12	12:45	33.38618 N 103.83401 W	Brown - Tan clayey sand No odor or stain @ 3' BGS

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Location GMI Landfarm Date 05/04/10Project / Client 1st Quarter 2010 Soil SamplingBy: CMB Environmental & Geological Services, Inc.

Page 3 of 4

Cell # Time GPS Coordinates Remarks

Cell #13 12:30 33.38699 N
103.83488 W Brown clayey
sand med. gr.
well sorted.
No odor or
staining 3' BGS

Cell #14 12:25 33.38616 N
103.83525 W Tan brown
clayey sand.
10% Colicite
to 2 mm - no
odor or staining
3' BGS

Cell #15 12:15 33.38667 N
103.83738 W Brown clayey
sand. 5%
Colicite to
2 mm. No
odor or
staining 3' BGS

Cell #16 12:20 33.38609 N
103.83648 W Brown clayey
sand. med. gr.
well sorted - No
odor or staining
3' BGS

Cell #17 12:05 33.38703 N
103.83863 W Tan brown
clayey sand
10%
Colicite to
3 mm. No odor
or staining
3' BGS

Cell #18 - out of service

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Location GMI Landfarm Date 05/04/10Project / Client 1st Quarter 2010 Soil SamplingBy: CMB Environmental & Geological Services, Inc.

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Cell # Time GPS Coordinates Remarks

Cell #19 11:55 33.38689 N
103.83907 W Red clayey
sand -
med. gr.
well sorted
No odor or
staining 3' BGS

Cell #20 - out of service

Cell #21 11:45 hr 33.38683 N
103.84081 W Brown
clayey
sand
10%
Colicite
No odor
or staining
3' BGS

GMI Landfarm First Quarter 2010 Soil Sampling GPS Coordinates
 TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time
 WP0001, 33, 23.210, -103, 50.449, 4183, 05/04/2010, 04:43:20,
 WP0002, 33, 23.214, -103, 50.344, 4160, 05/04/2010, 04:56:58,
 WP0003, 33, 23.222, -103, 50.318, 4157, 05/04/2010, 05:04:38,
 WP0004, 33, 23.200, -103, 50.243, 4150, 05/04/2010, 05:12:58,
 WP0005, 33, 23.165, -103, 50.190, 4137, 05/04/2010, 05:19:05,
 WP0006, 33, 23.169, -103, 50.116, 4170, 05/04/2010, 05:25:40,
 WP0007, 33, 23.220, -103, 50.093, 4154, 05/04/2010, 05:31:41,
 WP0008, 33, 23.203, -103, 50.076, 4150, 05/04/2010, 05:38:16,
 WP0009, 33, 23.172, -103, 50.040, 4157, 05/04/2010, 05:43:15,
 WP0010, 33, 23.223, -103, 49.951, 4193, 05/04/2010, 05:50:58,
 WP0011, 33, 23.226, -103, 49.891, 4183, 05/04/2010, 05:57:35,
 WP0012, 33, 23.225, -103, 49.821, 4183, 05/04/2010, 06:04:49,
 WP0013, 33, 23.221, -103, 49.784, 4206, 05/04/2010, 06:11:18,
 WP0014, 33, 23.215, -103, 49.769, 4203, 05/04/2010, 06:17:21,
 WP0015, 33, 23.219, -103, 49.735, 4209, 05/04/2010, 06:24:01,
 WP0016, 33, 23.185, -103, 49.715, 4226, 05/04/2010, 06:28:58,
 WP0017, 33, 22.919, -103, 49.799, 4203, 05/04/2010, 06:42:15,
 WP0018, 33, 22.975, -103, 49.794, 4219, 05/04/2010, 06:48:40,
 WP0019, 33, 22.987, -103, 49.793, 4213, 05/04/2010, 06:53:36,
 WP0020, 33, 22.969, -103, 49.961, 4196, 05/04/2010, 07:10:24,
 WP0021, 33, 23.000, -103, 49.929, 4203, 05/04/2010, 07:15:34,
 WP0022, 33, 22.939, -103, 49.970, 4199, 05/04/2010, 07:22:01,
 WP0023, 33, 22.920, -103, 49.893, 4216, 05/04/2010, 07:27:50,
 WP0024, 33, 22.870, -103, 49.974, 4170, 05/04/2010, 07:35:57,
 WP0025, 33, 22.787, -103, 50.128, 4206, 05/04/2010, 07:42:52,
 WP0026, 33, 22.797, -103, 50.141, 4186, 05/04/2010, 07:48:36,

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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536

DBE: VN 20657

NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX

El Paso: T104704221-08-TX

Midland: T104704392-08-TX

LELAP-02003

LELAP-02002

Kansas E-10317

Analytical and Quality Control Report

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

Report Date: May 13, 2010

Work Order: 10050614



Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2010

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
230733	Cell #1	soil	2010-05-04	13:30	2010-05-06
230734	Cell #2	soil	2010-05-04	13:25	2010-05-06
230735	Cell #3	soil	2010-05-04	13:15	2010-05-06
230736	Cell #4	soil	2010-05-04	13:10	2010-05-06
230737	Cell #5	soil	2010-05-04	13:05	2010-05-06
230738	Cell #7	soil	2010-05-04	12:55	2010-05-06
230739	Cell #9	soil	2010-05-04	12:50	2010-05-06
230740	Cell #11	soil	2010-05-04	12:40	2010-05-06
230741	Cell #12	soil	2010-05-04	12:45	2010-05-06
230742	Cell #13	soil	2010-05-04	12:30	2010-05-06

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
230743	Cell #14	soil	2010-05-04	12:25	2010-05-06
230744	Cell #15	soil	2010-05-04	12:15	2010-05-06
230745	Cell #16	soil	2010-05-04	12:20	2010-05-06
230746	Cell #17	soil	2010-05-04	12:05	2010-05-06
230747	Cell #19	soil	2010-05-04	11:55	2010-05-06
230748	Cell #21	soil	2010-05-04	11:45	2010-05-06

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 21 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 2010-05-06 and assigned to work order 10050614. Samples for work order 10050614 were received intact at a temperature of 5.5 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	59731	2010-05-06 at 16:13	69789	2010-05-06 at 16:13
BTEX	S 8021B	59765	2010-05-07 at 14:52	69828	2010-05-07 at 14:52
TPH 418.1	E 418.1	59895	2010-05-12 at 17:00	69968	2010-05-12 at 17:06

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 10050614 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 13, 2010
1st Quarter Soil Sampling 2010

Work Order: 10050614
GMI Landfarm

Page Number: 4 of 21
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

Analytical Report

Sample: 230733 - Cell #1

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.94	mg/Kg	1	2.00	97	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	76.7 - 106

Sample: 230733 - Cell #1

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230734 - Cell #2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69828
Prep Batch: 59765

Analytical Method: S 8021B
Date Analyzed: 2010-05-07
Sample Preparation: 2010-05-07

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		0.0222	mg/Kg	1	0.0200

Report Date: May 13, 2010
1st Quarter Soil Sampling 2010

Work Order: 10050614
GMI Landfarm

Page Number: 5 of 21
Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/Kg	1	2.00	92	76.3 - 110
4-Bromofluorobenzene (4-BFB)		2.07	mg/Kg	1	2.00	104	73.8 - 112

Sample: 230734 - Cell #2

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230735 - Cell #3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.80	mg/Kg	1	2.00	90	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.77	mg/Kg	1	2.00	88	76.7 - 106

Sample: 230735 - Cell #3

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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

Report Date: May 13, 2010
1st Quarter Soil Sampling 2010

Work Order: 10050614
GMI Landfarm

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Sec. 4, 5, 8, 9, T11S-R31E, Chavez Co., NM

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

Sample: 230736 - Cell #4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		2.03	mg/Kg	1	2.00	102	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.70	mg/Kg	1	2.00	85	76.7 - 106

Sample: 230736 - Cell #4

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230737 - Cell #5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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

continued ...

sample 230737 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	2.11	mg/Kg	1	2.00	106	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.71	mg/Kg	1	2.00	86	76.7 - 106

Sample: 230737 - Cell #5

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230738 - Cell #7

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.97	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	76.7 - 106

¹High surrogate recovery. Sample non-detect, result bias high.

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Sample: 230738 - Cell #7

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230739 - Cell #9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.96	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.61	mg/Kg	1	2.00	80	76.7 - 106

Sample: 230739 - Cell #9

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		10.5	mg/Kg	1	10.0

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Sample: 230740 - Cell #11

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.96	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	1	2.00	82	76.7 - 106

Sample: 230740 - Cell #11

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230741 - Cell #12

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.91	mg/Kg	1	2.00	96	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	76.7 - 106

Sample: 230741 - Cell #12

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230742 - Cell #13

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		2.07	mg/Kg	1	2.00	104	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	76.7 - 106

Sample: 230742 - Cell #13

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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

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

Sample: 230743 - Cell #14

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		2.09	mg/Kg	1	2.00	104	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.98	mg/Kg	1	2.00	99	76.7 - 106

Sample: 230743 - Cell #14

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230744 - Cell #15

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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

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sample 230744 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)		1.95	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	76.7 - 106

Sample: 230744 - Cell #15

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230745 - Cell #16

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69828
Prep Batch: 59765

Analytical Method: S 8021B
Date Analyzed: 2010-05-07
Sample Preparation: 2010-05-07

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)		1.68	mg/Kg	1	2.00	84	76.3 - 110
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	73.8 - 112

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Sample: 230745 - Cell #16

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230746 - Cell #17

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		2.04	mg/Kg	1	2.00	102	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.70	mg/Kg	1	2.00	85	76.7 - 106

Sample: 230746 - Cell #17

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230747 - Cell #19

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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)		1.94	mg/Kg	1	2.00	97	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	76.7 - 106

Sample: 230747 - Cell #19

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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: 230748 - Cell #21

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 69789
Prep Batch: 59731

Analytical Method: S 8021B
Date Analyzed: 2010-05-06
Sample Preparation: 2010-05-06

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.97	mg/Kg	1	2.00	98	75.5 - 105
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	1	2.00	82	76.7 - 106

Sample: 230748 - Cell #21

Laboratory: Lubbock
Analysis: TPH 418.1
QC Batch: 69968
Prep Batch: 59895

Analytical Method: E 418.1
Date Analyzed: 2010-05-12
Sample Preparation: 2010-05-12

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

Method Blank (1) QC Batch: 69789

QC Batch: 69789
Prep Batch: 59731

Date Analyzed: 2010-05-06
QC Preparation: 2010-05-06

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00629	mg/Kg	0.02
Toluene		<0.0108	mg/Kg	0.02
Ethylbenzene		<0.0117	mg/Kg	0.02
Xylene		<0.0145	mg/Kg	0.02

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)		1.90	mg/Kg	1	2.00	95	76.7 - 106

Method Blank (1) QC Batch: 69828

QC Batch: 69828
Prep Batch: 59765

Date Analyzed: 2010-05-07
QC Preparation: 2010-05-07

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00462	mg/Kg	0.02
Toluene		<0.00582	mg/Kg	0.02

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method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.00433	mg/Kg	0.02
Xylene		<0.00383	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	76.3 - 110
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	73.8 - 112

Method Blank (1) QC Batch: 69968

QC Batch: 69968
Prep Batch: 59895

Date Analyzed: 2010-05-12
QC Preparation: 2010-05-12

Analyzed By: DS
Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
TRPHC		<4.79	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 69789
Prep Batch: 59731

Date Analyzed: 2010-05-06
QC Preparation: 2010-05-06

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.85	mg/Kg	1	2.00	<0.00629	92	84.9 - 109
Toluene	1.86	mg/Kg	1	2.00	<0.0108	93	83.8 - 109
Ethylbenzene	1.84	mg/Kg	1	2.00	<0.0117	92	83.8 - 109
Xylene	5.49	mg/Kg	1	6.00	<0.0145	92	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	1.92	mg/Kg	1	2.00	<0.00629	96	84.9 - 109	4	20
Toluene	1.94	mg/Kg	1	2.00	<0.0108	97	83.8 - 109	4	20
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.0117	96	83.8 - 109	4	20
Xylene	5.76	mg/Kg	1	6.00	<0.0145	96	84.6 - 113	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.93	1.85	mg/Kg	1	2.00	96	92	77.1 - 114
4-Bromofluorobenzene (4-BFB)	1.74	1.93	mg/Kg	1	2.00	87	96	75.6 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 69828
Prep Batch: 59765

Date Analyzed: 2010-05-07
QC Preparation: 2010-05-07

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.00	mg/Kg	1	2.00	<0.00462	100	80.6 - 112
Toluene	2.10	mg/Kg	1	2.00	<0.00582	105	80.7 - 113
Ethylbenzene	2.03	mg/Kg	1	2.00	<0.00433	102	79.2 - 110
Xylene	6.20	mg/Kg	1	6.00	<0.00383	103	79.8 - 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	1.98	mg/Kg	1	2.00	<0.00462	99	80.6 - 112	1	20
Toluene	2.08	mg/Kg	1	2.00	<0.00582	104	80.7 - 113	1	20
Ethylbenzene	2.02	mg/Kg	1	2.00	<0.00433	101	79.2 - 110	0	20
Xylene	6.16	mg/Kg	1	6.00	<0.00383	103	79.8 - 113	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)	2.04	1.93	mg/Kg	1	2.00	102	96	79.5 - 109
4-Bromofluorobenzene (4-BFB)	2.06	1.95	mg/Kg	1	2.00	103	98	77.7 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 69968
Prep Batch: 59895

Date Analyzed: 2010-05-12
QC Preparation: 2010-05-12

Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	256	mg/Kg	1	250	<4.79	102	84.3 - 122

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	254	mg/Kg	1	250	<4.79	102	84.3 - 122	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: 230733

QC Batch: 69789
Prep Batch: 59731

Date Analyzed: 2010-05-06
QC Preparation: 2010-05-06

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.44	mg/Kg	1	2.00	<0.00629	72	59.5 - 110
Toluene	1.51	mg/Kg	1	2.00	<0.0108	76	62.2 - 116
Ethylbenzene	1.54	mg/Kg	1	2.00	<0.0117	77	64.6 - 124
Xylene	4.68	mg/Kg	1	6.00	<0.0145	78	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	1.49	mg/Kg	1	2.00	<0.00629	74	59.5 - 110	3	20
Toluene	1.56	mg/Kg	1	2.00	<0.0108	78	62.2 - 116	3	20
Ethylbenzene	1.60	mg/Kg	1	2.00	<0.0117	80	64.6 - 124	4	20
Xylene	4.86	mg/Kg	1	6.00	<0.0145	81	68.2 - 132	4	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)	1.96	2.08	mg/Kg	1	2	98	104	79.9 - 123
4-Bromofluorobenzene (4-BFB)	1.61	1.70	mg/Kg	1	2	80	85	73.1 - 128

Matrix Spike (MS-1) Spiked Sample: 230842

QC Batch: 69828
Prep Batch: 59765

Date Analyzed: 2010-05-07
QC Preparation: 2010-05-07

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.81	mg/Kg	5	2.00	<0.0231	90	61.7 - 127
Toluene	1.88	mg/Kg	5	2.00	<0.0291	94	60.8 - 136
Ethylbenzene	1.88	mg/Kg	5	2.00	<0.0216	94	70.3 - 132
Xylene	5.76	mg/Kg	5	6.00	<0.0192	96	69.7 - 139

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.78	mg/Kg	5	2.00	<0.0231	89	61.7 - 127	2	20
Toluene	1.91	mg/Kg	5	2.00	<0.0291	96	60.8 - 136	2	20
Ethylbenzene	1.88	mg/Kg	5	2.00	<0.0216	94	70.3 - 132	0	20
Xylene	5.85	mg/Kg	5	6.00	<0.0192	98	69.7 - 139	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)	1.80	1.80	mg/Kg	5	2	90	90	64 - 129
4-Bromofluorobenzene (4-BFB)	1.98	2.06	mg/Kg	5	2	99	103	71.8 - 133

Matrix Spike (MS-1) Spiked Sample: 230748

QC Batch: 69968
Prep Batch: 59895

Date Analyzed: 2010-05-12
QC Preparation: 2010-05-12

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC	247	mg/Kg	1	250	<4.79	99	43 - 161

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	247	mg/Kg	1	250	<4.79	99	43 - 161	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: 69789

Date Analyzed: 2010-05-06

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	80 - 120	2010-05-06
Toluene		mg/Kg	0.100	0.0990	99	80 - 120	2010-05-06
Ethylbenzene		mg/Kg	0.100	0.0980	98	80 - 120	2010-05-06
Xylene		mg/Kg	0.300	0.292	97	80 - 120	2010-05-06

Standard (CCV-2)

QC Batch: 69789

Date Analyzed: 2010-05-06

Analyzed By: ER

Report Date: May 13, 2010
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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	0.0972	97	80 - 120	2010-05-06
Toluene		mg/Kg	0.100	0.0973	97	80 - 120	2010-05-06
Ethylbenzene		mg/Kg	0.100	0.0972	97	80 - 120	2010-05-06
Xylene		mg/Kg	0.300	0.294	98	80 - 120	2010-05-06

Standard (CCV-3)

QC Batch: 69789

Date Analyzed: 2010-05-06

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	0.0968	97	80 - 120	2010-05-06
Toluene		mg/Kg	0.100	0.0971	97	80 - 120	2010-05-06
Ethylbenzene		mg/Kg	0.100	0.0959	96	80 - 120	2010-05-06
Xylene		mg/Kg	0.300	0.286	95	80 - 120	2010-05-06

Standard (CCV-1)

QC Batch: 69828

Date Analyzed: 2010-05-07

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	2010-05-07
Toluene		mg/Kg	0.100	0.105	105	80 - 120	2010-05-07
Ethylbenzene		mg/Kg	0.100	0.104	104	80 - 120	2010-05-07
Xylene		mg/Kg	0.300	0.318	106	80 - 120	2010-05-07

Standard (CCV-2)

QC Batch: 69828

Date Analyzed: 2010-05-07

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	0.0959	96	80 - 120	2010-05-07
Toluene		mg/Kg	0.100	0.0987	99	80 - 120	2010-05-07
Ethylbenzene		mg/Kg	0.100	0.0941	94	80 - 120	2010-05-07
Xylene		mg/Kg	0.300	0.288	96	80 - 120	2010-05-07

Report Date: May 13, 2010
1st Quarter Soil Sampling 2010

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Standard (CCV-1)

QC Batch: 69968

Date Analyzed: 2010-05-12

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	108	108	80 - 120	2010-05-12

Standard (CCV-2)

QC Batch: 69968

Date Analyzed: 2010-05-12

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	100	100	80 - 120	2010-05-12

Standard (CCV-3)

QC Batch: 69968

Date Analyzed: 2010-05-12

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	100	100	80 - 120	2010-05-12

10050614
CF
5-6-10

TraceAnalysis, Inc.

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Company Name: Gandy Marley Inc. Phone #: 575-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435

Contact Person: Larry Gandy E-mail: 575-399-5721 GMI@dfn.com

Invoice to: (If different from above)

Project #: 16T Quarter Soil Sampling 2010 GMT Landfarm Project Name: Chavez

Project Location (including state): Sec. 4, 5, 8, 9 T.11.S. R. 31E. Co. NM Sampler Signature: [Signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

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	PH 418 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	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	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																					
230733	Cell #1	1	402	X								X	X	05/04/10	1330	X	X																	
734	Cell #2														1325																			
735	Cell #3														1315																			
736	Cell #4														1310																			
737	Cell #5														1305																			
738	Cell #7														1255																			
739	Cell #9														1250																			
740	Cell #11														1240																			
741	Cell #12														1245																			
742	Cell #13														1230																			
243	Cell #14														1225																			

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

[Signature] CMB 05/05/10 10:00

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

[Signature] CMB 05/05/10 10:00

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

[Signature] CMB 05/05/10 10:00

LAB USE ONLY

Intact ☒ Y ☐ NHeadspace ☒ Y ☐ N ☒ NALog-in-Review ☒

REMARKS: Please Send Copy of Results Report to Cmbenviro@dfn.com

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Company Name: Gandy Merley Inc. Phone #: 575-347-0434
 Address: PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435
 Contact Person: Larry Gandy @ 575-399-5721 E-mail: GMI@dtn.com
 Invoice to: (If different from above)

Project #: 1st Quarter Soil Sampling 2010 Project Name: GMI Land Farm
 Project Location (including state): Sec. 4, 5, 8, 9 T.11-S. R. 31E Co NM Sampler Signature: [Signature]

Project Location (including state): Sec. 4, 5, 8, 9 T.11-S. R. 31E Co NM

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
830744	Cell #15	1	4oz	X								X	X	05/04/10	1215
745	Cell #16	↓	↓	↓								↓	↓	↓	1220
746	Cell #17	↓	↓	↓								↓	↓	↓	1205
747	Cell #19	↓	↓	↓								↓	↓	↓	1153
748	Cell #21	↓	↓	↓								↓	↓	↓	1145
	Temp Blank														

ANALYSIS REQUEST (Circle or Specify Method No.)														
MTBE 8021B / 602	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624	8260B / 624
TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181	TPH 4181
TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	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	PCBs 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard

Relinquished by: [Signature] Company: CMB Date: 05/05/10 Time: 1000
 Relinquished by: [Signature] Company: CMB Date: 05/05/10 Time: 1000
 Relinquished by: [Signature] Company: CMB Date: 05/05/10 Time: 1000

LAB USE ONLY
 Intac Y / N
 Headspace Y / N / NA
 Log-In-Review Y

REMARKS: Please Send Copy of Results ASAP to cmb@dtn.com
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed