NM1 - __19____

MONITORING REPORT

YEAR(S):

__2011__

November 23, 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

Re: Submittal of Third Quarterly Monitoring Report for Year 2011
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
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.

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 23, 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: 11/23/2011

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 2011 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 2011 soil sampling / monitoring was performed on November 1, 2011. 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 Solinist 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 Solinist 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 ≤ 18 (Mg/Kg) TPH. Cell 5 had a TPH concentration of 17.0 Mg/Kg. These cell soil concentrations are within the soil standard concentration limits for 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 ≤ 18 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

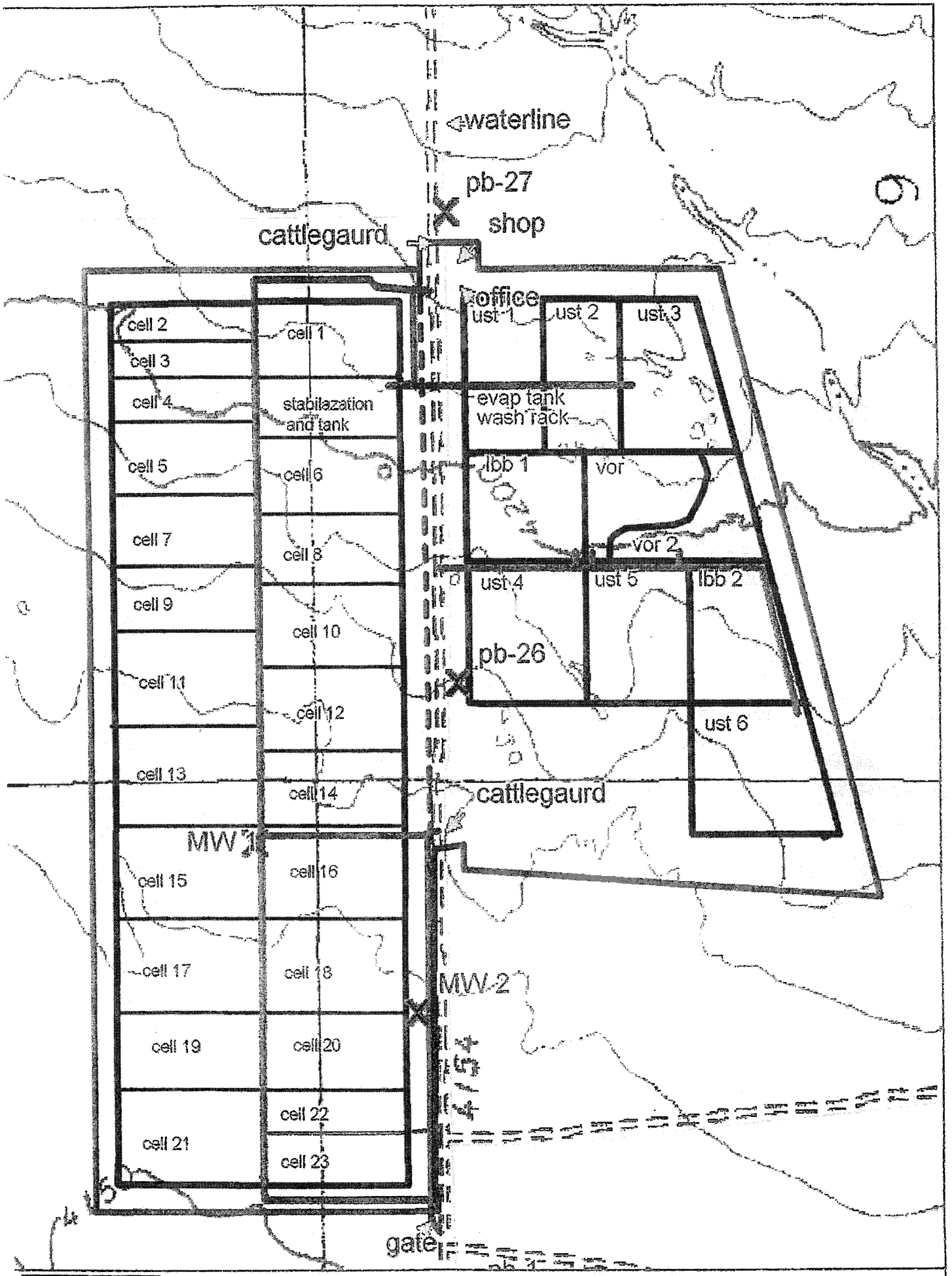
LIST OF TABLES

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:



DeLORME
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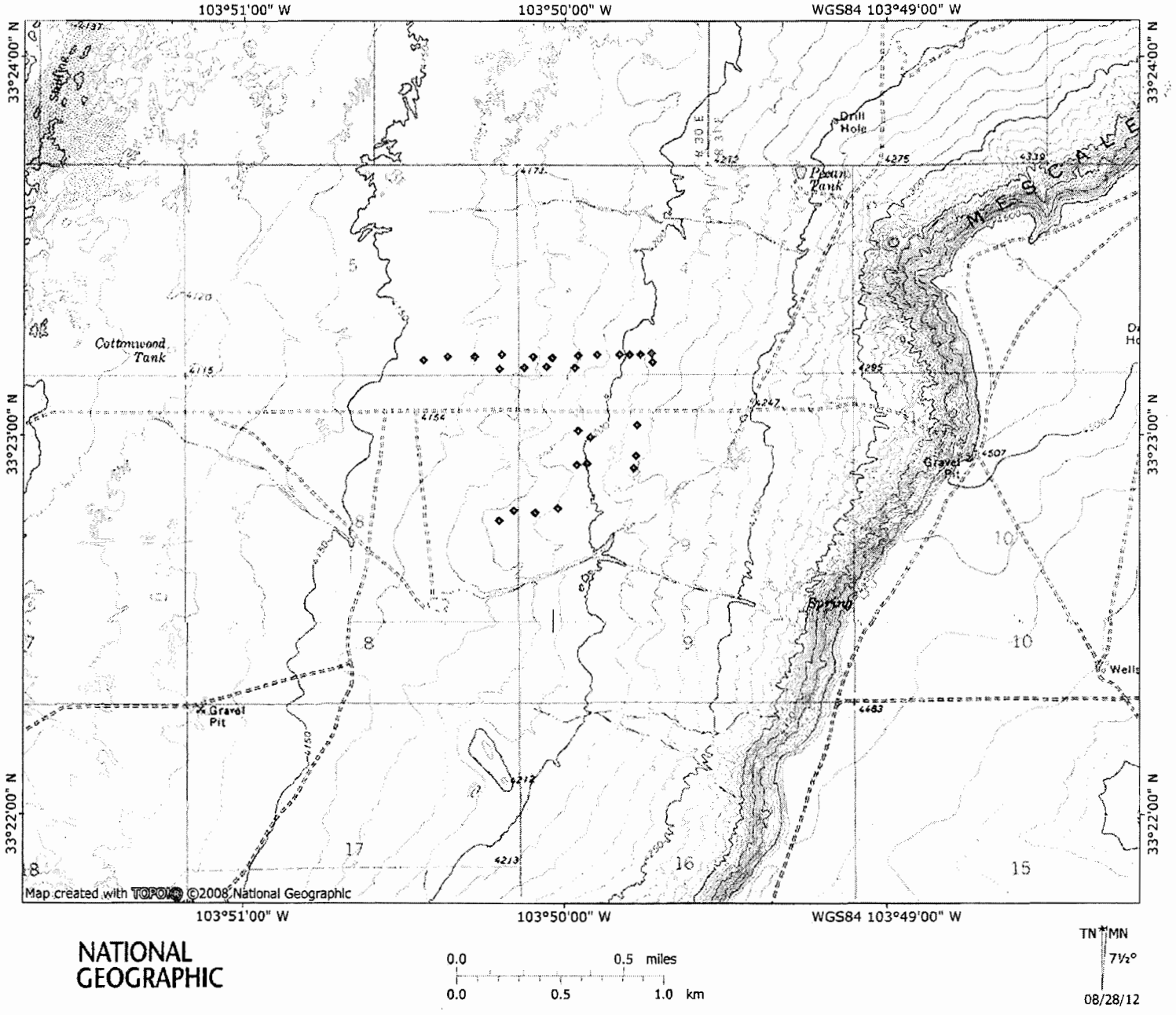
www.delorme.com

Scale 1 : 7,200
1" = 600 ft

TOPO! map printed on 011/09/11 from TOPO Map of Third Quarter Sample Locations 11/01/2011



NATIONAL GEOGRAPHIC

0.0 0.5 miles
0.0 0.5 1.0 km

TN MN
7½°
08/28/12

Tables:

Summary Report

Bret Riley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: November 8, 2011

Work Order: 11110422

Project Location: Sec. 4, 5, 8, & 9 T11S-R31E, Chavez Co., NM
Project Name: GMI Land Farm
Project Number: 3rd Qtr. 2011 Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
281637	Cell 1	soil	2011-11-01	10:37	2011-11-04
281638	Cell 2	soil	2011-11-01	10:45	2011-11-04
281639	Cell 3	soil	2011-11-01	10:50	2011-11-04
281640	Cell 4	soil	2011-11-01	10:55	2011-11-04
281641	Cell 5	soil	2011-11-01	11:01	2011-11-04
281642	Cell 7	soil	2011-11-01	11:07	2011-11-04
281643	Cell 9	soil	2011-11-01	11:13	2011-11-04
281644	Cell 10	soil	2011-11-01	11:18	2011-11-04
281645	Cell 11	soil	2011-11-01	11:23	2011-11-04
281646	Cell 12	soil	2011-11-01	11:26	2011-11-04
281647	Cell 13	soil	2011-11-01	11:30	2011-11-04
281648	Cell 14	soil	2011-11-01	11:35	2011-11-04
281649	Cell 15	soil	2011-11-01	11:40	2011-11-04
281650	Cell 16	soil	2011-11-01	11:44	2011-11-04
281651	Cell 17	soil	2011-11-01	11:50	2011-11-04
281652	Cell 19	soil	2011-11-01	11:55	2011-11-04
281653	Cell 21	soil	2011-11-01	12:00	2011-11-04

	BTEX				MTBE	TPH 418.1
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	TRPHC
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
281637 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281638 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281639 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281640 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281641 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		**17.9**
281642 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281643 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281644 - Cell 10	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE MTBE (mg/Kg)	TPH 418.1 TRPHC (mg/Kg)
281645 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281646 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281647 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281648 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281649 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281650 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281651 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281652 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
281653 - 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 SMI Land farm Date 11/01/2011

Project / Client 3rd Quarter Soil Sampling @ SMI Land farm By: CMB Environmental & Geological Services Inc.

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Warm Sunny +85°F.

Cell #	Time	GPS Coordinates	Remarks
1	10:37	33.38655 103.82870	Tan brown Clayey Sand 10% white Caliche @ 3' BGS.
2	10:45	33.38694 103.82874	Red clayey sand - Med gr. well sorted No odor or stain @ 3' BGS
3	10:50	33.38689 103.82935	same as above. 10% Caliche
4	10:55	33.38688 103.82990	Tan brown clayey sand - med. gr. well sorted 10% Caliche No odor or stain @ 3' BGS
5	11:01	33.38688 103.83045	Red Clayey Sand - No odor or stain @ 3' BGS
7	11:07	33.38689 103.83162	Brown - Red Clayey Sand. No odor or stain @ 3' BGS
9	11:13	33.38686 103.83259	Tan brown 10% Caliche No odor or stains @ 3' BGS.
10	11:18	33.38630 103.83274	Brown clayey Sand No odor or stain 10% Caliche

Location SMI Land farm Date 11/01/2011

Project / Client 3rd Quarter 2011 Soil Sampling By: CMB Environmental & Geological Services, Inc.

Page 02 of 02

Cell #	Time	GPS Coordinates	Remarks
11	11:23	33.38677 103.83391	Brown clayey med. gr. well sorted Sand No odor or stain @ 3' BGS
12	11:26	33.38637 103.83421	" " same as above
13	11:30	33.38677 103.83495	Reddish dark brown as above -
14	11:35	33.38624 103.83542	Tan brown W/ 10% Caliche med. gr. sand, No odor or stain @ 3' BGS
15	11:40	33.38691 103.83656	Red Brown Clayey Sand. No odor or stain. @ 3' BGS
16	11:44	33.38627 103.83664	same as above No odor or Stain @ 3' BGS.
17	11:50	33.38680 103.83755	Tan brown Clayey Sand No odor or Stain @ 3' BGS.
19	11:55	33.38678 103.83932	Red Clayey Sand med. gr. well sorted No odor or stain 3' BGS
21	12:09	33.38666 103.84055	Tan brown same as above.

TOPO! GPS Data Format DegMinSec NAD83 ElevFeet Local-Time
WP0001,33,23,12,-103,49,43,4268,11/01/2011,03:41:03,
WP0002,33,23,13,-103,49,43,4232,11/01/2011,03:45:29,
WP0003,33,23,13,-103,49,46,4226,11/01/2011,03:51:22,
WP0004,33,23,13,-103,49,48,4219,11/01/2011,03:56:23,
WP0005,33,23,13,-103,49,50,4216,11/01/2011,04:01:55,
WP0006,33,23,13,-103,49,54,4180,11/01/2011,04:07:49,
WP0007,33,23,13,-103,49,57,4203,11/01/2011,04:14:29,
WP0008,33,23,11,-103,49,58,4209,11/01/2011,04:18:34,
WP0009,33,23,12,-103,50,2,4203,11/01/2011,04:23:13,
WP0010,33,23,11,-103,50,3,4209,11/01/2011,04:26:41,
WP0011,33,23,12,-103,50,6,4186,11/01/2011,04:30:36,
WP0012,33,23,11,-103,50,8,4196,11/01/2011,04:34:03,
WP0013,33,23,13,-103,50,12,4193,11/01/2011,04:39:31,
WP0014,33,23,11,-103,50,12,4193,11/01/2011,04:43:02,
WP0015,33,23,12,-103,50,17,4163,11/01/2011,04:48:20,
WP0016,33,23,12,-103,50,22,4170,11/01/2011,04:53:31,
WP0017,33,23,12,-103,50,26,4167,11/01/2011,04:58:11,
WP0018,33,22,55,-103,49,47,4216,11/01/2011,05:12:28,
WP0019,33,22,57,-103,49,46,4226,11/01/2011,05:17:07,
WP0020,33,23,2,-103,49,46,4245,11/01/2011,05:21:40,
WP0021,33,23,1,-103,49,57,4209,11/01/2011,05:27:06,
WP0022,33,22,55,-103,49,57,4213,11/01/2011,05:31:19,
WP0023,33,23,0,-103,49,55,4219,11/01/2011,05:35:55,
WP0024,33,22,55,-103,49,56,4213,11/01/2011,05:40:27,
WP0025,33,22,48,-103,50,1,4199,11/01/2011,05:46:14,
WP0026,33,22,48,-103,50,5,4199,11/01/2011,05:50:35,
WP0027,33,22,48,-103,50,9,4180,11/01/2011,05:54:43,
WP0028,33,22,46,-103,50,12,4196,11/01/2011,05:58:36,

Appendix 3

TRACEANALYSIS, 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

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bret Riley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: November 8, 2011

Work Order: 11110422

Project Location: Sec. 4, 5, 8, & 9 T11S-R31E, Chavez Co., NM
Project Name: GMI Land Farm
Project Number: 3rd Qtr. 2011 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
281637	Cell 1	soil	2011-11-01	10:37	2011-11-04
281638	Cell 2	soil	2011-11-01	10:45	2011-11-04
281639	Cell 3	soil	2011-11-01	10:50	2011-11-04
281640	Cell 4	soil	2011-11-01	10:55	2011-11-04
281641	Cell 5	soil	2011-11-01	11:01	2011-11-04
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281648	Cell 14	soil	2011-11-01	11:35	2011-11-04
281649	Cell 15	soil	2011-11-01	11:40	2011-11-04
281650	Cell 16	soil	2011-11-01	11:44	2011-11-04
281651	Cell 17	soil	2011-11-01	11:50	2011-11-04
281652	Cell 19	soil	2011-11-01	11:55	2011-11-04
281653	Cell 21	soil	2011-11-01	12:00	2011-11-04

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 29 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

Report Contents

Case Narrative

Samples for project GMI Land Farm were received by TraceAnalysis, Inc. on 2011-11-04 and assigned to work order 11110422. Samples for work order 11110422 were received intact at a temperature of 2.6 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	73140	2011-11-04 at 15:01	86131	2011-11-04 at 15:01
BTEX	S 8021B	73141	2011-11-04 at 15:01	86132	2011-11-04 at 15:01
TPH 418.1	E 418.1	73192	2011-11-08 at 08:00	86195	2011-11-08 at 08:29
TPH 418.1	E 418.1	73192	2011-11-08 at 08:00	86196	2011-11-08 at 10:12

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 11110422 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: 281637 - Cell 1

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.85	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.92	mg/Kg	1	2.00	96	70 - 130

Sample: 281637 - Cell 1

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281638 - Cell 2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.98	mg/Kg	1	2.00	99	70 - 130

Sample: 281638 - Cell 2

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281639 - Cell 3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.06	mg/Kg	1	2.00	103	70 - 130

Sample: 281639 - Cell 3

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281640 - Cell 4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	70 - 130

Sample: 281640 - Cell 4

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281641 - Cell 5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			1.98	mg/Kg	1	2.00	99	70 - 130

Sample: 281641 - Cell 5

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**17.9**	mg/Kg	1	10.0

Sample: 281642 - Cell 7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.90	mg/Kg	1	2.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	70 - 130

Sample: 281642 - Cell 7

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281643 - Cell 9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.88	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 281643 - Cell 9

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281644 - Cell 10

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.84	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 281644 - Cell 10

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281645 - Cell 11

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	70 - 130

Sample: 281645 - Cell 11

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281646 - Cell 12

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.90	mg/Kg	1	2.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	70 - 130

Sample: 281646 - Cell 12

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281647 - Cell 13

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86132	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73141	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			2.01	mg/Kg	1	2.00	100	70 - 130

Sample: 281647 - Cell 13

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281648 - Cell 14

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.03	mg/Kg	1	2.00	102	70 - 130

Sample: 281648 - Cell 14

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281649 - Cell 15

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 281649 - Cell 15

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281650 - Cell 16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86131	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73140	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	70 - 130

Sample: 281650 - Cell 16

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281651 - Cell 17

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86132	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73141	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	70 - 130

Sample: 281651 - Cell 17

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281652 - Cell 19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86132	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73141	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	70 - 130

Sample: 281652 - Cell 19

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Sample: 281653 - Cell 21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	86132	Date Analyzed:	2011-11-04	Analyzed By:	ZLM
Prep Batch:	73141	Sample Preparation:	2011-11-04	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 281653 - Cell 21

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	Sample Preparation:	2011-11-08	Prepared By:	DS

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

Method Blanks

Method Blank (1) QC Batch: 86131

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73140 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.74	mg/Kg	1	2.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)			1.80	mg/Kg	1	2.00	90	70 - 130

Method Blank (1) QC Batch: 86132

QC Batch: 86132 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73141 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.68	mg/Kg	1	2.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)			1.75	mg/Kg	1	2.00	88	70 - 130

Method Blank (1) QC Batch: 86195

QC Batch:	86195	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	QC Preparation:	2011-11-08	Prepared By:	DS

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

Method Blank (1) QC Batch: 86196

QC Batch:	86196	Date Analyzed:	2011-11-08	Analyzed By:	DS
Prep Batch:	73192	QC Preparation:	2011-11-08	Prepared By:	DS

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

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73140 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.85	mg/Kg	1	2.00	<0.00335	92	70 - 130
Toluene		1	1.78	mg/Kg	1	2.00	<0.00471	89	70 - 130
Ethylbenzene		1	1.83	mg/Kg	1	2.00	<0.00440	92	70 - 130
Xylene		1	5.59	mg/Kg	1	6.00	<0.00557	93	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.79	mg/Kg	1	2.00	<0.00335	90	70 - 130	3	20
Toluene		1	1.78	mg/Kg	1	2.00	<0.00471	89	70 - 130	0	20
Ethylbenzene		1	1.81	mg/Kg	1	2.00	<0.00440	90	70 - 130	1	20
Xylene		1	5.50	mg/Kg	1	6.00	<0.00557	92	70 - 130	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.72	1.64	mg/Kg	1	2.00	86	82	70 - 130
4-Bromofluorobenzene (4-BFB)	1.84	1.73	mg/Kg	1	2.00	92	86	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 86132 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73141 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.91	mg/Kg	1	2.00	<0.00335	96	70 - 130
Toluene		1	1.76	mg/Kg	1	2.00	<0.00471	88	70 - 130
Ethylbenzene		1	1.81	mg/Kg	1	2.00	<0.00440	90	70 - 130
Xylene		1	5.49	mg/Kg	1	6.00	<0.00557	92	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.80	mg/Kg	1	2.00	<0.00335	90	70 - 130	6	20
Toluene		1	1.76	mg/Kg	1	2.00	<0.00471	88	70 - 130	0	20
Ethylbenzene		1	1.80	mg/Kg	1	2.00	<0.00440	90	70 - 130	1	20
Xylene		1	5.49	mg/Kg	1	6.00	<0.00557	92	70 - 130	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.67	1.63	mg/Kg	1	2.00	84	82	70 - 130
4-Bromofluorobenzene (4-BFB)	1.76	1.76	mg/Kg	1	2.00	88	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 86195 | Date Analyzed: 2011-11-08 | Analyzed By: DS
Prep Batch: 73192 | QC Preparation: 2011-11-08 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			269	mg/Kg	1	250	<4.79	108	84.3 - 122

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			269	mg/Kg	1	250	<4.79	108	84.3 - 122	0	

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: 86196 | Date Analyzed: 2011-11-08 | Analyzed By: DS
Prep Batch: 73192 | QC Preparation: 2011-11-08 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			296	mg/Kg	1	250	<4.79	118	84.3 - 122

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			288	mg/Kg	1	250	<4.79	115	84.3 - 122	3	

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

Matrix Spike (MS-1) Spiked Sample: 281585

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73140 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.94	mg/Kg	1	2.00	<0.00335	97	70 - 130
Toluene		1	2.06	mg/Kg	1	2.00	<0.00471	103	70 - 130
Ethylbenzene		1	2.21	mg/Kg	1	2.00	<0.00440	110	70 - 130
Xylene		1	6.71	mg/Kg	1	6.00	<0.00557	112	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.93	mg/Kg	1	2.00	<0.00335	96	70 - 130	0	20
Toluene		1	2.01	mg/Kg	1	2.00	<0.00471	100	70 - 130	2	20
Ethylbenzene		1	2.21	mg/Kg	1	2.00	<0.00440	110	70 - 130	0	20
Xylene		1	6.63	mg/Kg	1	6.00	<0.00557	110	70 - 130	1	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	1.88	mg/Kg	1	2	96	94	70 - 130
4-Bromofluorobenzene (4-BFB)	2.00	1.98	mg/Kg	1	2	100	99	70 - 130

Matrix Spike (MS-1) Spiked Sample: 281647

QC Batch: 86132 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM
Prep Batch: 73141 | QC Preparation: 2011-11-04 | Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	2.02	mg/Kg	1	2.00	<0.00335	101	70 - 130
Toluene		1	2.06	mg/Kg	1	2.00	<0.00471	103	70 - 130
Ethylbenzene		1	2.21	mg/Kg	1	2.00	<0.00440	110	70 - 130
Xylene		1	6.76	mg/Kg	1	6.00	<0.00557	113	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.92	mg/Kg	1	2.00	<0.00335	96	70 - 130	5	20
Toluene		1	2.00	mg/Kg	1	2.00	<0.00471	100	70 - 130	3	20
Ethylbenzene		1	2.18	mg/Kg	1	2.00	<0.00440	109	70 - 130	1	20
Xylene		1	6.69	mg/Kg	1	6.00	<0.00557	112	70 - 130	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.92	1.91	mg/Kg	1	2	96	96	70 - 130
4-Bromofluorobenzene (4-BFB)	1.90	1.97	mg/Kg	1	2	95	98	70 - 130

Matrix Spike (MS-1) Spiked Sample: 281646

QC Batch: 86195 | Date Analyzed: 2011-11-08 | Analyzed By: DS
Prep Batch: 73192 | QC Preparation: 2011-11-08 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			262	mg/Kg	1	250	<4.79	105	43 - 161

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			250	mg/Kg	1	250	<4.79	100	43 - 161	5	

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

Matrix Spike (MS-1) Spiked Sample: 281651

QC Batch: 86196 | Date Analyzed: 2011-11-08 | Analyzed By: DS
Prep Batch: 73192 | QC Preparation: 2011-11-08 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			272	mg/Kg	1	250	<4.79	109	43 - 161

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			266	mg/Kg	1	250	<4.79	106	43 - 161	2	

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

Calibration Standards

Standard (CCV-1)

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0878	88	80 - 120	2011-11-04
Toluene		1	mg/Kg	0.100	0.0846	85	80 - 120	2011-11-04
Ethylbenzene		1	mg/Kg	0.100	0.0852	85	80 - 120	2011-11-04
Xylene		1	mg/Kg	0.300	0.258	86	80 - 120	2011-11-04

Standard (CCV-2)

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0923	92	80 - 120	2011-11-04
Toluene		1	mg/Kg	0.100	0.0898	90	80 - 120	2011-11-04
Ethylbenzene		1	mg/Kg	0.100	0.0910	91	80 - 120	2011-11-04
Xylene		1	mg/Kg	0.300	0.274	91	80 - 120	2011-11-04

Standard (CCV-3)

QC Batch: 86131 | Date Analyzed: 2011-11-04 | Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0921	92	80 - 120	2011-11-04
Toluene		1	mg/Kg	0.100	0.0905	90	80 - 120	2011-11-04
Ethylbenzene		1	mg/Kg	0.100	0.0888	89	80 - 120	2011-11-04
Xylene		1	mg/Kg	0.300	0.266	89	80 - 120	2011-11-04

Standard (CCV-1)

QC Batch: 86132 Date Analyzed: 2011-11-04 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0940	94	80 - 120	2011-11-04
Toluene		1	mg/Kg	0.100	0.0919	92	80 - 120	2011-11-04
Ethylbenzene		1	mg/Kg	0.100	0.0936	94	80 - 120	2011-11-04
Xylene		1	mg/Kg	0.300	0.282	94	80 - 120	2011-11-04

Standard (CCV-2)

QC Batch: 86132 Date Analyzed: 2011-11-04 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0893	89	80 - 120	2011-11-04
Toluene		1	mg/Kg	0.100	0.0860	86	80 - 120	2011-11-04
Ethylbenzene		1	mg/Kg	0.100	0.0870	87	80 - 120	2011-11-04
Xylene		1	mg/Kg	0.300	0.262	87	80 - 120	2011-11-04

Standard (CCV-1)

QC Batch: 86195 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	110	110	80 - 120	2011-11-08

Standard (CCV-2)

QC Batch: 86195 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	109	109	80 - 120	2011-11-08

Standard (CCV-3)

QC Batch: 86195 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	110	110	80 - 120	2011-11-08

Standard (CCV-1)

QC Batch: 86196 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	110	110	80 - 120	2011-11-08

Standard (CCV-2)

QC Batch: 86196 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	115	115	80 - 120	2011-11-08

Standard (CCV-3)

QC Batch: 86196 Date Analyzed: 2011-11-08 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	109	109	80 - 120	2011-11-08

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-4	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 11110422

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: (Street, City, Zip) PO Box 1658 Roswell, NM 88202
Fax #: 575-347-0435
Contact Person: Bret Riley @ 505-330-2461
E-mail: GMIedfn.com / riley_brete yahoo.com
Invoice to: (If different from above)
Project #: 3rd Quarter 2011 Soil Sampling
Project Name: GMI Land farm
Project Location (including state): Sec. 4, 5, 8 & 9 T.11.S R.31E. Chaves NM
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
281637	Cell 1	1	4oz		X							X	X	11/01/11	1037		X	X																		
638	Cell 2	↓	↓										↓	↓	1045		↓	↓																		
639	Cell 3	↓	↓										↓	↓	1050		↓	↓																		
640	Cell 4	↓	↓										↓	↓	1055		↓	↓																		
641	Cell 5	↓	↓										↓	↓	1101		↓	↓																		
642	Cell 7	↓	↓										↓	↓	1107		↓	↓																		
643	Cell 9	↓	↓										↓	↓	1113		↓	↓																		
644	Cell 10	↓	↓										↓	↓	1118		↓	↓																		
645	Cell 11	↓	↓										↓	↓	1123		↓	↓																		
646	Cell 12	↓	↓										↓	↓	1126		↓	↓																		
647	Cell 13	↓	↓										↓	↓	1130		↓	↓																		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	CMB	11/03/11	1000	[signature]	TA	11-4-11	9:45	INST YP, OBS 3.1 °C, COR 2.6 °C
								INST ___, OBS ___ °C, COR ___ °C
								INST ___, OBS ___ °C, COR ___ °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review [initials]

REMARKS: Send Copy of Results ASAP to Cmbenviro@dfn.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 # FEX 7953 6838 8592

ORIGINAL COPY

LAB Order ID # 1110422

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: (Street, City, Zip) PO Box 1658 Roswell, NM 88202
Fax #: 575-347-0435
Contact Person: Bret Riley @ 505-330-2461
E-mail: GMI@dtn.com
Invoice to: (If different from above) riley_bret@yahoo.com
Project #: 3rd Quarter 2011 Soil Sampling
Project Name: GMI Landfarm
Project Location (including state): Sec. 4,5,8, & 9 T.11.S.R.31E. Chaves NM
Sampler Signature: [signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
281648	Cell 14	1	4oz		X							X	X	11/01/11	1125
649	Cell 15	↓	↓		↓									↓	1140
650	Cell 16	↓	↓		↓									↓	1144
651	Cell 17	↓	↓		↓									↓	1150
652	Cell 19	↓	↓		↓									↓	1153
653	Cell 21	↓	↓		↓									↓	1200
	Temp Blank	1	125 mL	X											

LAB #	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
281648		X	X																		
649		↓	↓																		
650		↓	↓																		
651		↓	↓																		
652		↓	↓																		
653		↓	↓																		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	CMB	11/03/11	1000	H Taylor	TA	11-4-11	9:45	INST YP, OBS 3.1 °C, COR 2.6 °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / (NA)
Log-in-Review 78m

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

Carrier # FDX 795368388592

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

August 9, 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

Re: Submittal of Second Quarterly Monitoring Report for Year 2011
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
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

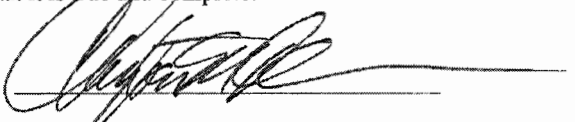
6. Author/consulting company:

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

7. Date of report: **August 9, 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: 08/09/2011

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 2011 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 2011 sampling / monitoring was performed on July 27, 2011. 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 Solinist 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 Solinist 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 (≤ 139 (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 ≤ 139 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

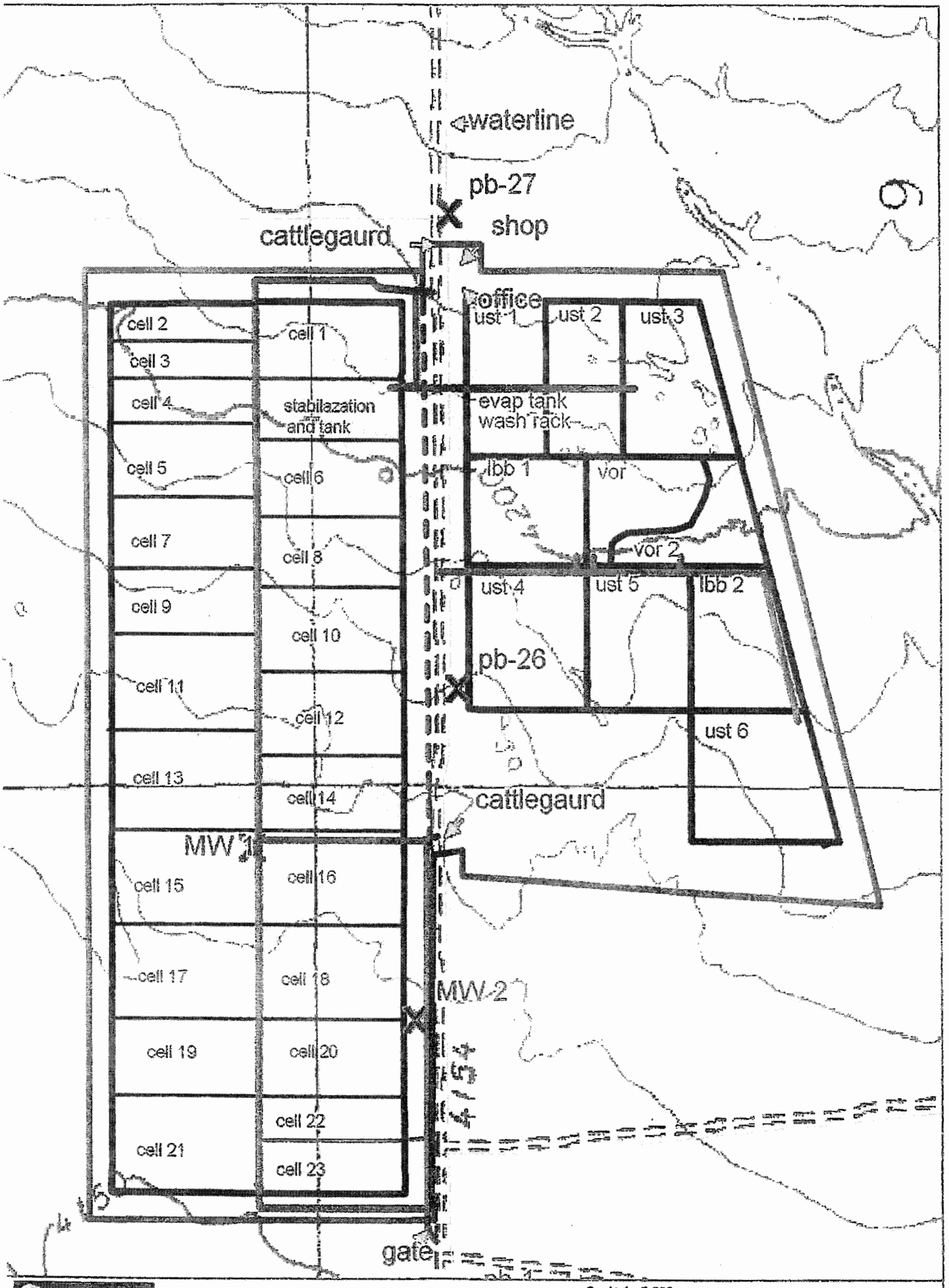
LIST OF TABLES

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:



DeLORME
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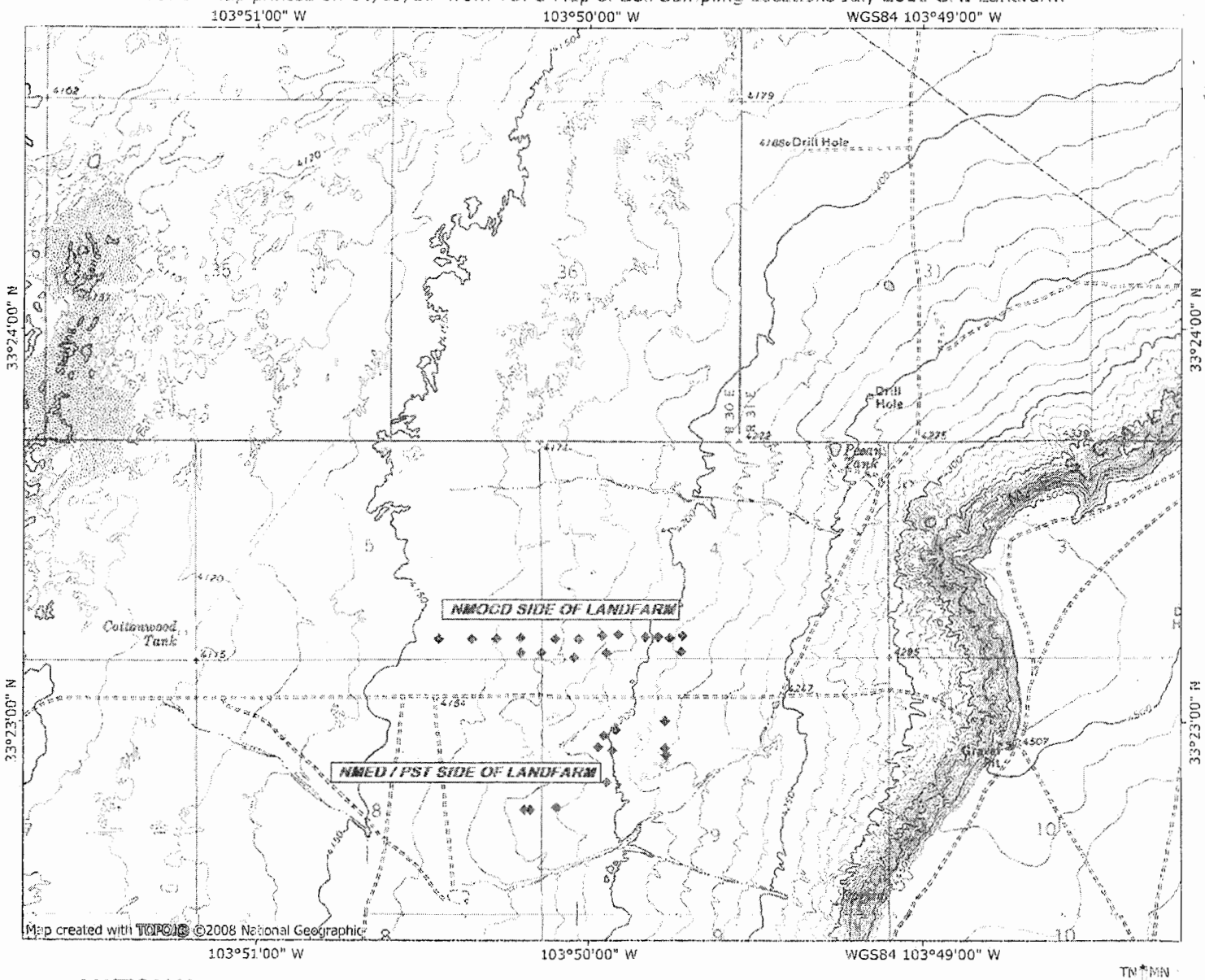
www.delorme.com

Scale 1 : 7,200
1" = 600 ft

TOPO! map printed on 08/09/11 from TOPO Map of Soil Sampling Locations July 2011 GMI Landfarm



NATIONAL GEOGRAPHIC

Tables:

Summary Report

Bret Riley
Gandy Marley Inc.
Box 1658
Roswell, NM 88202

Report Date: August 4, 2011

Work Order: 11080109

Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Qtr. 2011 Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
273225	Cell 1	soil	2011-07-27	15:05	2011-07-30
273226	Cell 2	soil	2011-07-27	15:00	2011-07-30
273227	Cell 3	soil	2011-07-27	14:50	2011-07-30
273228	Cell 4	soil	2011-07-27	14:45	2011-07-30
273229	Cell 5	soil	2011-07-27	14:40	2011-07-30
273230	Cell 7	soil	2011-07-27	14:30	2011-07-30
273231	Cell 9	soil	2011-07-27	14:20	2011-07-30
273232	Cell 10	soil	2011-07-27	14:25	2011-07-30
273233	Cell 11	soil	2011-07-27	14:05	2011-07-30
273234	Cell 12	soil	2011-07-27	14:10	2011-07-30
273235	Cell 13	soil	2011-07-27	13:55	2011-07-30
273236	Cell 14	soil	2011-07-27	14:00	2011-07-30
273237	Cell 15	soil	2011-07-27	13:40	2011-07-30
273238	Cell 16	soil	2011-07-27	13:45	2011-07-30
273239	Cell 17	soil	2011-07-27	13:25	2011-07-30
273240	Cell 18	soil	2011-07-27	13:30	2011-07-30
273241	Cell 19	soil	2011-07-27	13:15	2011-07-30
273242	Cell 21	soil	2011-07-27	13:10	2011-07-30

	BTEX				MTBE	TPH 418.1
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	TRPHC (mg/Kg)
273225 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		**139**
273226 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273227 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273228 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273229 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273230 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273231 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE MTBE (mg/Kg)	TPH 418.1 TRPHC (mg/Kg)
273232 - Cell 10	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273233 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273234 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273235 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273236 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273237 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273238 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273239 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273240 - Cell 18	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273241 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
273242 - 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

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Location GMI Landfarm Date 07/27/11

Project / Client 2nd Quarter 2011 Soil Sampling By: CMB Environmental & Geological Services Inc.

Page 1 of 3

Cell #	Time	GPS Coordinates	Remarks
~~23~~			
21	13:10	33.38691 103.84049	Brown Clayey fine gr. well sorted sand. 15% Clay. Moist
19	13:15	33.38667 103.83951	Tan Brown fine gr. Clayey Sand 10% white Caliche - No odor or stain @ 3' BGS
17	13:25	33.38656 103.83802	Same as above.
18	13:30	33.38555 103.83803	Wet Brown Clayey Sand - 15% Clay. Slight odor. NO staining BGS
15	13:40	33.38670 103.83729	Red Clayey Sand. No odor or staining @ 3' BGS
16	13:45	33.38622 103.83749	Brown Clayey Sand. med gr. well sorted @ 3' BGS.
13	13:55	33.38671 103.83591	Red Clayey Sand. well sorted Sand @ 3' BGS.

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Location GMI Landfarm Date 07/27/11

Project / Client 2nd Quarter 2011 Soil Sampling By: CMB Environmental & Geological

Page 2 of 3

Cell	Time	GPS Coordinates	Remarks
14	14:00	33.38625 103.83607	Brown med. gr. well Sorted Clayey Sand No odor or stain @ 3' BGS
11	14:05	33.38672 103.83382	Same as above.
12	14:10	33.38627 103.83408	Same as above.
9	14:20	33.38658 103.83240	Brown Clayey Sand. med gr. Well Sorted moist No odor or stain @ 3' BGS
10	14:25	33.38636 103.83304	greenish tint med gr. Sand. mixed w/ Brown Clayey Sand. No odor @ 3' BGS.
7	1430	33.38686 103.83148	Brown Clayey Sand. med gr. Well Sorted No odor or stain @ 3' BGS.
5	14:40	33.38688 103.83031	Tan brown Clayey Sand. with 10% Caliche No odor

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Location GMI Landfarm Date 07/27/11

Project / Client 2nd Quarter 2011 Soil Sampling

By: CMB Environmental & Geological Services, Inc.

Page 3 of 3

Cell #	Time	GPS Coordinates	Remarks
4	14:45	33.38682 103.82996	Tan brown Clayey Sand mixed w/wh. fg Caliche 10% No odor or Stain @ 3' BGS
3	1450	33.38682 103.82904	Brown-Reddish Clayey Sand. med gr. well Sorted 10% Caliche @ Bottom No odor or Stain @ 3' BGS
2	1500	33.38686 103.82858	Red clayey Sand Med gr. well Sorted No odor or Stain @ 3' BGS
1	15:05	33.38643 103.82861 ~~33.38153~~ ~~103.82896~~	Same as above.

~~Cell 3 @ 1' BGS Sampled @ 11:00~~

~~Cell 3 @ 2' BGS Sampled @ 11:05~~

~~Cell 3 @ 3' BGS Sampled @ 11:10~~

Location Date

Project / Client

Waypoint List Second Quarter 2011 Soil Sampling Locations
TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time
WP0001,33,22.919,-103,49.791,4222,07/27/2011,03:43:08,
WP0002,33,22.941,-103,49.788,4196,07/27/2011,03:59:28,
WP0003,33,22.991,-103,49.790,4219,07/27/2011,04:05:25,
WP0004,33,22.982,-103,49.961,4203,07/27/2011,04:14:07,
WP0005,33,22.924,-103,49.955,4196,07/27/2011,04:25:34,
WP0006,33,22.992,-103,49.926,4222,07/27/2011,04:31:33,
WP0007,33,22.933,-103,49.891,4219,07/27/2011,04:41:47,
WP0008,33,22.795,-103,50.033,4177,07/27/2011,04:49:57,
WP0009,33,22.789,-103,50.123,4183,07/27/2011,04:58:02,
WP0010,33,22.852,-103,50.157,4163,07/27/2011,05:06:00,
WP0011,33,22.876,-103,50.162,4186,07/27/2011,05:12:32,
WP0012,33,22.758,-103,50.217,4160,07/27/2011,05:19:18,
WP0013,33,23.214,-103,50.430,4144,07/27/2011,06:10:04,
WP0014,33,23.200,-103,50.371,4160,07/27/2011,06:18:02,
WP0015,33,23.194,-103,50.281,4167,07/27/2011,06:26:46,
WP0016,33,23.133,-103,50.282,4140,07/27/2011,06:31:28,
WP0017,33,23.202,-103,50.237,4177,07/27/2011,06:41:40,
WP0018,33,23.173,-103,50.250,4167,07/27/2011,06:46:16,
WP0019,33,23.203,-103,50.154,4167,07/27/2011,06:54:27,
WP0020,33,23.175,-103,50.164,4154,07/27/2011,06:58:56,
WP0021,33,23.203,-103,50.029,4180,07/27/2011,07:07:00,
WP0022,33,23.176,-103,50.045,4180,07/27/2011,07:11:24,
WP0023,33,23.213,-103,49.950,4190,07/27/2011,07:19:13,
WP0024,33,23.182,-103,49.982,4180,07/27/2011,07:23:12,
WP0025,33,23.211,-103,49.889,4190,07/27/2011,07:32:40,
WP0026,33,23.213,-103,49.819,4213,07/27/2011,07:39:12,
WP0027,33,23.209,-103,49.797,4190,07/27/2011,07:47:09,
WP0028,33,23.209,-103,49.746,4232,07/27/2011,07:52:02,
WP0029,33,23.211,-103,49.715,4199,07/27/2011,08:00:26,
WP0030,33,23.186,-103,49.717,4196,07/27/2011,08:04:13,

Appendix 3

TRACEANALYSIS, 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

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bret Riley
Gandy Marley Inc.
Box 1658
Roswell, NM, 88202

Report Date: August 4, 2011

Work Order: 11080109

Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 2nd Qtr. 2011 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
273225	Cell 1	soil	2011-07-27	15:05	2011-07-30
273226	Cell 2	soil	2011-07-27	15:00	2011-07-30
273227	Cell 3	soil	2011-07-27	14:50	2011-07-30
273228	Cell 4	soil	2011-07-27	14:45	2011-07-30
273229	Cell 5	soil	2011-07-27	14:40	2011-07-30
273230	Cell 7	soil	2011-07-27	14:30	2011-07-30
273231	Cell 9	soil	2011-07-27	14:20	2011-07-30
273232	Cell 10	soil	2011-07-27	14:25	2011-07-30
273233	Cell 11	soil	2011-07-27	14:05	2011-07-30
273234	Cell 12	soil	2011-07-27	14:10	2011-07-30
273235	Cell 13	soil	2011-07-27	13:55	2011-07-30
273236	Cell 14	soil	2011-07-27	14:00	2011-07-30
273237	Cell 15	soil	2011-07-27	13:40	2011-07-30
273238	Cell 16	soil	2011-07-27	13:45	2011-07-30
273239	Cell 17	soil	2011-07-27	13:25	2011-07-30
273240	Cell 18	soil	2011-07-27	13:30	2011-07-30
273241	Cell 19	soil	2011-07-27	13:15	2011-07-30
273242	Cell 21	soil	2011-07-27	13:10	2011-07-30

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

This report consists of a total of 31 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

Report Contents

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2011-07-30 and assigned to work order 11080109. Samples for work order 11080109 were received intact at a temperature of 3.0 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	70879	2011-08-01 at 16:24	83449	2011-08-01 at 16:24
BTEX	S 8021B	70909	2011-08-02 at 15:24	83483	2011-08-02 at 15:24
BTEX	S 8021B	70910	2011-08-02 at 15:24	83484	2011-08-02 at 15:24
TPH 418.1	E 418.1	70989	2011-08-03 at 15:00	83585	2011-08-04 at 12:07
TPH 418.1	E 418.1	70990	2011-08-03 at 15:15	83586	2011-08-04 at 12:51

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 11080109 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: 273225 - Cell 1

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.72	mg/Kg	1	2.00	86	70 - 112
4-Bromofluorobenzene (4-BFB)			1.93	mg/Kg	1	2.00	96	72.7 - 114

Sample: 273225 - Cell 1

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**139**	mg/Kg	1	10.0

Sample: 273226 - Cell 2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.72	mg/Kg	1	2.00	86	70 - 112
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	72.7 - 114

Sample: 273226 - Cell 2

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273227 - Cell 3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 112
4-Bromofluorobenzene (4-BFB)			2.18	mg/Kg	1	2.00	109	72.7 - 114

Sample: 273227 - Cell 3

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273228 - Cell 4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.63	mg/Kg	1	2.00	82	70 - 112
4-Bromofluorobenzene (4-BFB)			2.01	mg/Kg	1	2.00	100	72.7 - 114

Sample: 273228 - Cell 4

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273229 - Cell 5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.78	mg/Kg	1	2.00	89	70 - 112
4-Bromofluorobenzene (4-BFB)			2.03	mg/Kg	1	2.00	102	72.7 - 114

Sample: 273229 - Cell 5

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273230 - Cell 7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83484	Date Analyzed:	2011-08-02	Analyzed By:	ZLM
Prep Batch:	70910	Sample Preparation:	2011-08-02	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.77	mg/Kg	1	2.00	88	70 - 112
4-Bromofluorobenzene (4-BFB)			1.99	mg/Kg	1	2.00	100	72.7 - 114

Sample: 273230 - Cell 7

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273231 - Cell 9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.66	mg/Kg	1	2.00	83	70 - 112
4-Bromofluorobenzene (4-BFB)			1.90	mg/Kg	1	2.00	95	72.7 - 114

Sample: 273231 - Cell 9

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273232 - Cell 10

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.65	mg/Kg	1	2.00	82	70 - 112
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	72.7 - 114

Sample: 273232 - Cell 10

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273233 - Cell 11

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.62	mg/Kg	1	2.00	81	70 - 112
4-Bromofluorobenzene (4-BFB)			1.82	mg/Kg	1	2.00	91	72.7 - 114

Sample: 273233 - Cell 11

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273234 - Cell 12

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.80	mg/Kg	1	2.00	90	70 - 112
4-Bromofluorobenzene (4-BFB)			2.06	mg/Kg	1	2.00	103	72.7 - 114

Sample: 273234 - Cell 12

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273235 - Cell 13

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.80	mg/Kg	1	2.00	90	70 - 112
4-Bromofluorobenzene (4-BFB)			2.07	mg/Kg	1	2.00	103	72.7 - 114

Sample: 273235 - Cell 13

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273236 - Cell 14

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.63	mg/Kg	1	2.00	82	70 - 112
4-Bromofluorobenzene (4-BFB)			1.91	mg/Kg	1	2.00	96	72.7 - 114

Sample: 273236 - Cell 14

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273237 - Cell 15

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.60	mg/Kg	1	2.00	80	70 - 112
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	72.7 - 114

Sample: 273237 - Cell 15

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273238 - Cell 16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.77	mg/Kg	1	2.00	88	70 - 112
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	72.7 - 114

Sample: 273238 - Cell 16

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273239 - Cell 17

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.68	mg/Kg	1	2.00	84	70 - 112
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	72.7 - 114

Sample: 273239 - Cell 17

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83585	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70989	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273240 - Cell 18

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	Sample Preparation:	2011-08-01	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.88	mg/Kg	1	2.00	94	70 - 112
4-Bromofluorobenzene (4-BFB)			1.92	mg/Kg	1	2.00	96	72.7 - 114

Sample: 273240 - Cell 18

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83586	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70990	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273241 - Cell 19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83483	Date Analyzed:	2011-08-02	Analyzed By:	ZLM
Prep Batch:	70909	Sample Preparation:	2011-08-02	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.53	mg/Kg	1	2.00	76	70 - 112
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	72.7 - 114

Sample: 273241 - Cell 19

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83586	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70990	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Sample: 273242 - Cell 21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	83483	Date Analyzed:	2011-08-02	Analyzed By:	ZLM
Prep Batch:	70909	Sample Preparation:	2011-08-02	Prepared By:	ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.48	mg/Kg	1	2.00	74	70 - 112
4-Bromofluorobenzene (4-BFB)			1.79	mg/Kg	1	2.00	90	72.7 - 114

Sample: 273242 - Cell 21

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	83586	Date Analyzed:	2011-08-04	Analyzed By:	DS
Prep Batch:	70990	Sample Preparation:	2011-08-03	Prepared By:	DS

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

Method Blanks

Method Blank (1) QC Batch: 83449

QC Batch:	83449	Date Analyzed:	2011-08-01	Analyzed By:	MT
Prep Batch:	70879	QC Preparation:	2011-08-01	Prepared By:	MT

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.68	mg/Kg	1	2.00	84	70 - 112
4-Bromofluorobenzene (4-BFB)			1.80	mg/Kg	1	2.00	90	72.7 - 114

Method Blank (1) QC Batch: 83483

QC Batch:	83483	Date Analyzed:	2011-08-02	Analyzed By:	ZLM
Prep Batch:	70909	QC Preparation:	2011-08-02	Prepared By:	ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.76	mg/Kg	1	2.00	88	70 - 112
4-Bromofluorobenzene (4-BFB)			2.05	mg/Kg	1	2.00	102	72.7 - 114

Method Blank (1) QC Batch: 83484

QC Batch: 83484 Date Analyzed: 2011-08-02 Analyzed By: ZLM
Prep Batch: 70910 QC Preparation: 2011-08-02 Prepared By: ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	0.0116	mg/Kg	0.02
Xylene		1	0.0165	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.61	mg/Kg	1	2.00	80	70 - 112
4-Bromofluorobenzene (4-BFB)			1.76	mg/Kg	1	2.00	88	72.7 - 114

Method Blank (1) QC Batch: 83585

QC Batch: 83585 Date Analyzed: 2011-08-04 Analyzed By: DS
Prep Batch: 70989 QC Preparation: 2011-08-03 Prepared By: DS

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

Method Blank (1) QC Batch: 83586

QC Batch: 83586 Date Analyzed: 2011-08-04 Analyzed By: DS
Prep Batch: 70990 QC Preparation: 2011-08-03 Prepared By: DS

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

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 83449 | Date Analyzed: 2011-08-01 | Analyzed By: MT
Prep Batch: 70879 | QC Preparation: 2011-08-01 | Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.82	mg/Kg	1	2.00	<0.00335	91	75.4 - 110
Toluene		1	1.79	mg/Kg	1	2.00	<0.00471	89	73.2 - 114
Ethylbenzene		1	1.87	mg/Kg	1	2.00	<0.00440	94	74.4 - 111
Xylene		1	5.70	mg/Kg	1	6.00	<0.00557	95	75.9 - 113

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.82	mg/Kg	1	2.00	<0.00335	91	75.4 - 110	0	20
Toluene		1	1.82	mg/Kg	1	2.00	<0.00471	91	73.2 - 114	2	20
Ethylbenzene		1	1.87	mg/Kg	1	2.00	<0.00440	93	74.4 - 111	0	20
Xylene		1	5.61	mg/Kg	1	6.00	<0.00557	94	75.9 - 113	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.72	1.66	mg/Kg	1	2.00	86	83	67.6 - 113
4-Bromofluorobenzene (4-BFB)	1.88	1.90	mg/Kg	1	2.00	94	95	72 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 83483 | Date Analyzed: 2011-08-02 | Analyzed By: ZLM
Prep Batch: 70909 | QC Preparation: 2011-08-02 | Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.52	mg/Kg	1	2.00	<0.00335	76	75.4 - 110
Toluene		1	1.68	mg/Kg	1	2.00	<0.00471	84	73.2 - 114
Ethylbenzene		1	1.84	mg/Kg	1	2.00	<0.00440	92	74.4 - 111
Xylene		1	5.63	mg/Kg	1	6.00	<0.00557	94	75.9 - 113

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.68	mg/Kg	1	2.00	<0.00335	84	75.4 - 110	10	20
Toluene		1	1.80	mg/Kg	1	2.00	<0.00471	90	73.2 - 114	7	20
Ethylbenzene		1	1.87	mg/Kg	1	2.00	<0.00440	94	74.4 - 111	2	20
Xylene		1	5.74	mg/Kg	1	6.00	<0.00557	96	75.9 - 113	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.73	1.68	mg/Kg	1	2.00	86	84	67.6 - 113
4-Bromofluorobenzene (4-BFB)	1.99	1.79	mg/Kg	1	2.00	100	90	72 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 83484 | Date Analyzed: 2011-08-02 | Analyzed By: ZLM
Prep Batch: 70910 | QC Preparation: 2011-08-02 | Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.82	mg/Kg	1	2.00	<0.00335	91	75.4 - 110
Toluene		1	1.85	mg/Kg	1	2.00	<0.00471	92	73.2 - 114
Ethylbenzene		1	1.82	mg/Kg	1	2.00	0.0116	91	74.4 - 111
Xylene		1	5.49	mg/Kg	1	6.00	0.0165	92	75.9 - 113

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.79	mg/Kg	1	2.00	<0.00335	90	75.4 - 110	2	20
Toluene		1	1.78	mg/Kg	1	2.00	<0.00471	89	73.2 - 114	4	20
Ethylbenzene		1	1.82	mg/Kg	1	2.00	0.0116	91	74.4 - 111	0	20
Xylene		1	5.52	mg/Kg	1	6.00	0.0165	92	75.9 - 113	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.66	1.58	mg/Kg	1	2.00	83	79	67.6 - 113
4-Bromofluorobenzene (4-BFB)	1.79	1.76	mg/Kg	1	2.00	90	88	72 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 83585 | Date Analyzed: 2011-08-04 | Analyzed By: DS
Prep Batch: 70989 | QC Preparation: 2011-08-03 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			289	mg/Kg	1	250	<4.79	116	84.3 - 122

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			281	mg/Kg	1	250	<4.79	112	84.3 - 122	3	

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: 83586 | Date Analyzed: 2011-08-04 | Analyzed By: DS
Prep Batch: 70990 | QC Preparation: 2011-08-03 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			264	mg/Kg	1	250	<4.79	106	84.3 - 122

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			261	mg/Kg	1	250	<4.79	104	84.3 - 122	1	

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

Matrix Spike (MS-1) Spiked Sample: 273057

QC Batch: 83449 | Date Analyzed: 2011-08-01 | Analyzed By: MT
Prep Batch: 70879 | QC Preparation: 2011-08-01 | Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.82	mg/Kg	1	2.00	<0.00335	91	57.5 - 115
Toluene		1	1.93	mg/Kg	1	2.00	<0.00471	96	59.8 - 125
Ethylbenzene		1	2.07	mg/Kg	1	2.00	<0.00440	104	60.5 - 130

continued ...

matrix spikes continued ...

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Xylene		1	6.48	mg/Kg	1	6.00	<0.00557	108	62.6 - 131

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.74	mg/Kg	1	2.00	<0.00335	87	57.5 - 115	4	20
Toluene		1	1.81	mg/Kg	1	2.00	<0.00471	90	59.8 - 125	6	20
Ethylbenzene		1	1.98	mg/Kg	1	2.00	<0.00440	99	60.5 - 130	4	20
Xylene		1	6.20	mg/Kg	1	6.00	<0.00557	103	62.6 - 131	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)	1.76	1.86	mg/Kg	1	2	88	93	59.3 - 128
4-Bromofluorobenzene (4-BFB)	1.97	1.91	mg/Kg	1	2	98	96	67.4 - 130

Matrix Spike (MS-1) Spiked Sample: 273363

QC Batch: 83483 | Date Analyzed: 2011-08-02 | Analyzed By: ZLM
Prep Batch: 70909 | QC Preparation: 2011-08-02 | Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.60	mg/Kg	1	2.00	<0.00335	80	57.5 - 115
Toluene		1	1.67	mg/Kg	1	2.00	<0.00471	84	59.8 - 125
Ethylbenzene		1	1.83	mg/Kg	1	2.00	<0.00440	92	60.5 - 130
Xylene		1	5.68	mg/Kg	1	6.00	<0.00557	95	62.6 - 131

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.68	mg/Kg	1	2.00	<0.00335	84	57.5 - 115	5	20
Toluene		1	1.79	mg/Kg	1	2.00	<0.00471	90	59.8 - 125	7	20
Ethylbenzene		1	1.86	mg/Kg	1	2.00	<0.00440	93	60.5 - 130	2	20
Xylene		1	5.91	mg/Kg	1	6.00	<0.00557	98	62.6 - 131	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)	1.68	1.84	mg/Kg	1	2	84	92	59.3 - 128
4-Bromofluorobenzene (4-BFB)	1.93	2.10	mg/Kg	1	2	96	105	67.4 - 130

Matrix Spike (MS-1) Spiked Sample: 273230

QC Batch: 83484 | Date Analyzed: 2011-08-02 | Analyzed By: ZLM
Prep Batch: 70910 | QC Preparation: 2011-08-02 | Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	2.08	mg/Kg	1	2.00	<0.00335	104	57.5 - 115
Toluene		1	2.17	mg/Kg	1	2.00	<0.00471	108	59.8 - 125
Ethylbenzene		1	2.34	mg/Kg	1	2.00	0.0106	116	60.5 - 130
Xylene		1	7.17	mg/Kg	1	6.00	0.017	119	62.6 - 131

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.97	mg/Kg	1	2.00	<0.00335	98	57.5 - 115	5	20
Toluene		1	2.04	mg/Kg	1	2.00	<0.00471	102	59.8 - 125	6	20
Ethylbenzene		1	2.21	mg/Kg	1	2.00	0.0106	110	60.5 - 130	6	20
Xylene		1	6.75	mg/Kg	1	6.00	0.017	112	62.6 - 131	6	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.84	1.69	mg/Kg	1	2	92	84	59.3 - 128
4-Bromofluorobenzene (4-BFB)	1.98	1.90	mg/Kg	1	2	99	95	67.4 - 130

Matrix Spike (MS-1) Spiked Sample: 273229

QC Batch: 83585 | Date Analyzed: 2011-08-04 | Analyzed By: DS
Prep Batch: 70989 | QC Preparation: 2011-08-03 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			218	mg/Kg	1	250	<4.79	87	43 - 161

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			217	mg/Kg	1	250	<4.79	87	43 - 161	0	

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

Matrix Spike (MS-1) Spiked Sample: 273240

QC Batch: 83586 | Date Analyzed: 2011-08-04 | Analyzed By: DS
Prep Batch: 70990 | QC Preparation: 2011-08-03 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			222	mg/Kg	1	250	<4.79	89	43 - 161

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			219	mg/Kg	1	250	<4.79	88	43 - 161	1	

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

Calibration Standards

Standard (CCV-1)

QC Batch: 83449 | Date Analyzed: 2011-08-01 | Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0941	94	80 - 120	2011-08-01
Toluene		1	mg/Kg	0.100	0.0935	94	80 - 120	2011-08-01
Ethylbenzene		1	mg/Kg	0.100	0.0929	93	80 - 120	2011-08-01
Xylene		1	mg/Kg	0.300	0.281	94	80 - 120	2011-08-01

Standard (CCV-2)

QC Batch: 83449 | Date Analyzed: 2011-08-01 | Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0922	92	80 - 120	2011-08-01
Toluene		1	mg/Kg	0.100	0.0875	88	80 - 120	2011-08-01
Ethylbenzene		1	mg/Kg	0.100	0.0939	94	80 - 120	2011-08-01
Xylene		1	mg/Kg	0.300	0.280	93	80 - 120	2011-08-01

Standard (CCV-3)

QC Batch: 83449 | Date Analyzed: 2011-08-01 | Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0962	96	80 - 120	2011-08-01
Toluene		1	mg/Kg	0.100	0.0949	95	80 - 120	2011-08-01
Ethylbenzene		1	mg/Kg	0.100	0.0997	100	80 - 120	2011-08-01
Xylene		1	mg/Kg	0.300	0.305	102	80 - 120	2011-08-01

Standard (CCV-1)

QC Batch: 83483 Date Analyzed: 2011-08-02 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0910	91	80 - 120	2011-08-02
Toluene		1	mg/Kg	0.100	0.0882	88	80 - 120	2011-08-02
Ethylbenzene		1	mg/Kg	0.100	0.0974	97	80 - 120	2011-08-02
Xylene		1	mg/Kg	0.300	0.291	97	80 - 120	2011-08-02

Standard (CCV-2)

QC Batch: 83483 Date Analyzed: 2011-08-02 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0916	92	80 - 120	2011-08-02
Toluene		1	mg/Kg	0.100	0.0886	89	80 - 120	2011-08-02
Ethylbenzene		1	mg/Kg	0.100	0.0936	94	80 - 120	2011-08-02
Xylene		1	mg/Kg	0.300	0.287	96	80 - 120	2011-08-02

Standard (CCV-3)

QC Batch: 83483 Date Analyzed: 2011-08-02 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0862	86	80 - 120	2011-08-02
Toluene		1	mg/Kg	0.100	0.0997	100	80 - 120	2011-08-02
Ethylbenzene		1	mg/Kg	0.100	0.0877	88	80 - 120	2011-08-02
Xylene		1	mg/Kg	0.300	0.269	90	80 - 120	2011-08-02

Standard (CCV-1)

QC Batch: 83484 Date Analyzed: 2011-08-02 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0838	84	80 - 120	2011-08-02
Toluene		1	mg/Kg	0.100	0.0936	94	80 - 120	2011-08-02
Ethylbenzene		1	mg/Kg	0.100	0.0935	94	80 - 120	2011-08-02
Xylene		1	mg/Kg	0.300	0.284	95	80 - 120	2011-08-02

Standard (CCV-2)

QC Batch: 83484 Date Analyzed: 2011-08-02 Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0906	91	80 - 120	2011-08-02
Toluene		1	mg/Kg	0.100	0.0881	88	80 - 120	2011-08-02
Ethylbenzene		1	mg/Kg	0.100	0.0928	93	80 - 120	2011-08-02
Xylene		1	mg/Kg	0.300	0.278	93	80 - 120	2011-08-02

Standard (CCV-1)

QC Batch: 83585 Date Analyzed: 2011-08-04 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	105	105	80 - 120	2011-08-04

Standard (CCV-2)

QC Batch: 83585 Date Analyzed: 2011-08-04 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	101	101	80 - 120	2011-08-04

Standard (CCV-3)

QC Batch: 83585 Date Analyzed: 2011-08-04 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	104	104	80 - 120	2011-08-04

Standard (CCV-1)

QC Batch: 83586 Date Analyzed: 2011-08-04 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	104	104	80 - 120	2011-08-04

Standard (CCV-2)

QC Batch: 83586 Date Analyzed: 2011-08-04 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	99.6	100	80 - 120	2011-08-04

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-4	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 11080109

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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1 (800) 378-1296

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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: Ganby Marley Inc. Phone #: 575-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435

Contact Person: Bret Riley @ 505-330-2461 E-mail: GMIc dfn.com riley_bret@yahoo.com

Invoice to: (If different from above)

Project #: 2nd Quarter 2011 Soil Sampling Project Name: GMI Landfarm

Project Location (including state): Sec. 4,5,8,9 T.11.S. R.31.E. New Mexico Sampler Signature: Chance

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
273225	Cell 1	1	4oz		X							X	X	7/27/11	1505
226	Cell 2														1500
227	Cell 3														1450
228	Cell 4														1445
229	Cell 5														1440
230	Cell 7														1430
231	Cell 9														1420
232	Cell 10														1425
233	Cell 11														1405
234	Cell 12														1410
235	Cell 13														1355

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC						Turn Around Time if different from standard	Hold
	X	X																						

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	CMB	7/29/11	0500					INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C
								INST IR °C OBS 3.1 °C COR 3.0 °C

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review SM

REMARKS:
Send Copy of Results ASAP To cmbenviro@dfn.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 # Fed Ex 7973 5737 7752

ORIGINAL COPY

LAB Order ID # 110801109

TraceAnalysis, Inc.

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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: Cindy Manley Inc. Phone #: 575-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435

Contact Person: Bret Riley @ 505-330-2461 E-mail: GMI@dfn.com riley_bret@yahoo.com

Invoice to: (If different from above)

Project #: 2nd Quarter 2011 Soil Sampling Project Name: GMI Land farm

Project Location (including state): Sec. 4, 5, 8, 9 T. 11. S. R. 31. E, New Mexico Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
273236	Cell 14	1	402		X					-		X	X	7/27/11	1400		X	X																					
237	Cell 15	↓	↓		↓							↓	↓	↓	1340		↓	↓																						
238	Cell 16														1345																								
239	Cell 17														1325																								
240	Cell 18														1330																								
241	Cell 19														1315																								
242	Cell 21	↓	↓		↓							↓	↓	↓	1310		↓	↓																						
	Temp Blank	1	125 mL	X								X	X																											

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	CMB	7/29/10	0500					INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C
								INST IR °C OBS 3.1 °C COR 3.0 °C

LAB USE ONLY

Intact (Y) N

Headspace Y (N) / NA

Log-in-Review

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

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Fed Ex 7973 5737 7752

ORIGINAL COPY

RECEIVED OCD
2011 JUN 21 A 10:58

June 9, 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

Re: Submittal of First Quarterly Monitoring Report for Year 2011
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
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.

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: **June 9, 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: 06/09/2011

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 2011 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 2011 soil sampling / monitoring was performed on May 12, 2011. 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 Solinist 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 Solinist 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 ≤ 10.0 (Mg/Kg) TPH. Cell 21 had a TPH concentration of 37.2 Mg/Kg. These cell 21 soil concentrations are within the soil standard concentration limits for 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 ≤ 37.2 (Mg/Kg.).

LIST OF FIGURES

Figure		Included	N/A
1	Site Map	X	
2	Topographic Map with sample locations plotted	X	

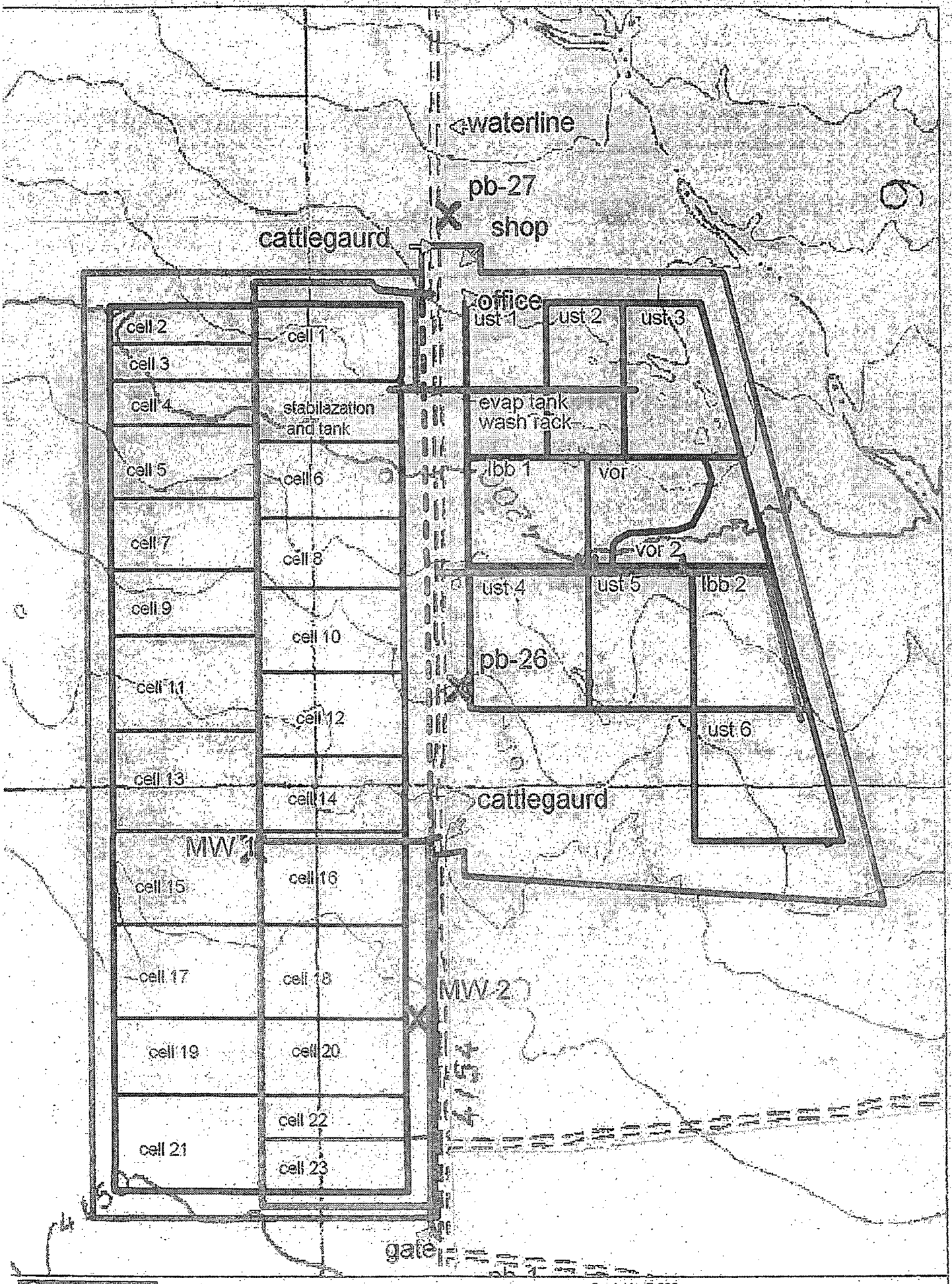
LIST OF TABLES

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:



DELORME
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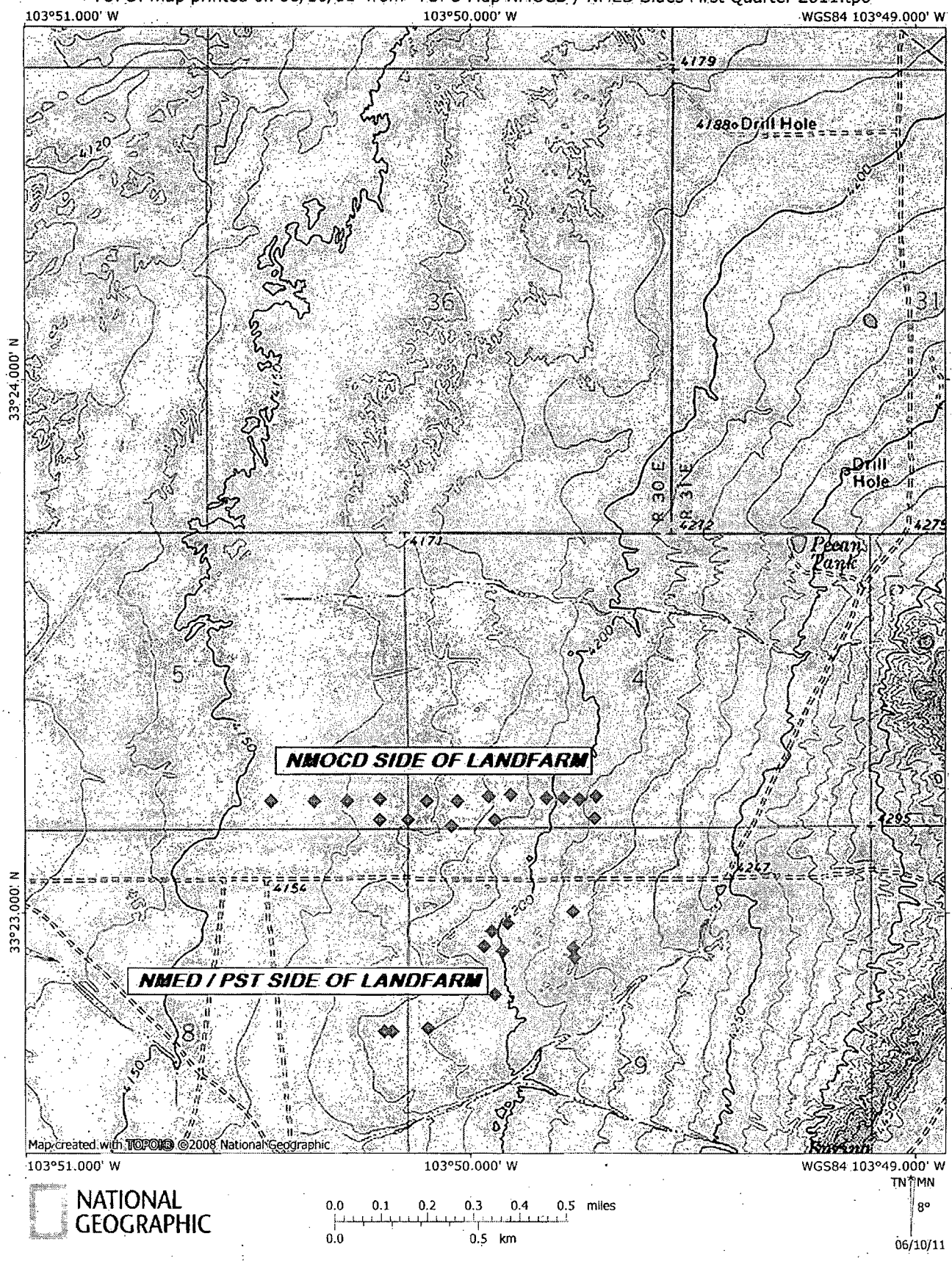
www.delorme.com

Scale 1 : 7,200
1" = 600 ft.


TOPO! map printed on 06/10/11 from "TOPO Map NMOCD / NMED Sides First Quarter 2011.tpo"
103°51.000' W
103°50.000' W
WGS84 103°49.000' W
33°24.000' N
33°23.000' N
4179
4188
Drill Hole
4120
36
31
R 30 E
R 31 E
Drill Hole
4212
4279
4171
Pecan Park
5
4
NMOCD SIDE OF LANDFARM
4295
4247
4154
NMED / PST SIDE OF LANDFARM
8
9
Map created with TOPO! ©2008 National Geographic
NATIONAL GEOGRAPHIC
0.0 0.1 0.2 0.3 0.4 0.5 miles
0.0 0.5 km
TN MN
8°
06/10/11

Tables:

Summary Report

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

Report Date: May 23, 2011

Work Order: 11051618

Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2011

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
266615	Cell 1	soil	2011-05-12	10:20	2011-05-14
266616	Cell 2	soil	2011-05-12	10:30	2011-05-14
266617	Cell 3	soil	2011-05-12	10:35	2011-05-14
266618	Cell 4	soil	2011-05-12	10:40	2011-05-14
266619	Cell 5	soil	2011-05-12	10:50	2011-05-14
266620	Cell 7	soil	2011-05-12	10:55	2011-05-14
266621	Cell 8	soil	2011-05-12	11:00	2011-05-14
266622	Cell 9	soil	2011-05-12	11:05	2011-05-14
266623	Cell 11	soil	2011-05-12	11:10	2011-05-14
266624	Cell 12	soil	2011-05-12	11:15	2011-05-14
266625	Cell 13	soil	2011-05-12	11:20	2011-05-14
266626	Cell 14	soil	2011-05-12	11:25	2011-05-14
266627	Cell 15	soil	2011-05-12	11:30	2011-05-14
266628	Cell 16	soil	2011-05-12	11:35	2011-05-14
266629	Cell 17	soil	2011-05-12	11:45	2011-05-14
266630	Cell 19	soil	2011-05-12	11:50	2011-05-14
266631	Cell 21	soil	2011-05-12	12:00	2011-05-14

	BTEX				MTBE	TPH 418.1
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	TRPHC
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
266615 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266616 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266617 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266618 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266619 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266620 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266621 - Cell 8	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266622 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE MTBE (mg/Kg)	TPH 418.1 TRPHC (mg/Kg)
266623 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266624 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266625 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266626 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266627 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266628 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266629 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266630 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
266631 - Cell 21	<0.0200	<0.0200	<0.0200	<0.0200		**37.2**

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

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Location GMI Landfarm Date 05/12/11

Project / Client 1st Quarter 2011 Soil Sampling By: CMB Environmental & Geological Services Inc.

Page 1 of 4

Cell	Time	GPS Coordinates	Remarks
1	10:20	33.38629 N 103.82572 W	Red clayey Sand mod gr. well Sorted No odor or Stain
2	10:30	33.38701 N 103.82664 W	Red clayey Sand No odor or Stain @ 3' BGS.
3	10:35	33.38691 N 103.82925 W	Brown clayey Sand. mod gr. well sorted 10% Caliche No odor or Stain @ 3' BGS
4	10:40	33.38694 N 103.82983 W	Same as above
5	10:50	33.38695 N 103.83048 W	Brown clayey Sand mod gr. well sorted. No Caliche. No Odor or Stain

91

Location GMI Landfarm Date 05/12/11

Project / Client 1st Qtr 2011 Soil Sampling By: CMB Page 2 of 4

Cell	Time	GPS Coordinates	Remarks
6	- Out of Service		
7	10:55	33.38704 N 103.83186 W	Brown clayey Sand no Caliche No odor or Stain @ 3' BGS
8	11:00	33.38625 N 103.83243 W	Same as above.
9	11:05	33.38700 N 103.83265 W	Same as above mod. gr. well Sorted Sand.
10	11:10	33.38684 N 103.83353.	Tan brown Sand. mod gr. well sorted. No odor or Stain @ 3' BGS
11	11:15	33.38606 N 103.83406 W	Brown clayey Sand - mod gr. well Sorted No odor or Staining.

Location GMI Landfarm Date 05/12/11

Project / Client 1st Qtr 2011 Soil Sampling By CMB

Page 3 of 4

Cell	Time	GPS Coordinates	Remarks
13	11:20	33.38686 N 103.83497 W	Brown Soil well sorted med gr. No odor or Stain @ 3' BGS
14	11:25	33.38628 N 103.83572 W	Same as above w/ 10% Caliche clayey
15	11:30	33.38687 N 103.83671 W	Red Sand to Tan - 10% Caliche mixture No odor or Stain
16	11:35	33.38628 N 103.83675 W	*Damp Soil Brown Clayey Sand No odor or Stain @ 3' BGS
17	11:45	33.38683 N 103.83797 W	Red - to Brown Sand med. gr well sorted No odor or Stain @ 3' BGS.

Location GMI Land farm Date 05/12/11

Project / Client 1st Qtr 2011 Soil Sampling

By: CMB Page 4 of 4

Cell	Time	GPS Coordinates	Remarks
19	11:50	33.38685 N 103.83916 W	Red Sand Med gr. well sorted No odor or Stain 3' BGS.
21	12:00	33.38683 N 103.84084 W	Red Sand. Clayey - No odor or Stain

TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time

CELL 1,33,23.178,-103,49.723,4249,05/12/2011,03:25:45,

CELL 2,33,23.221,-103,49.719,4206,05/12/2011,03:30:07,

CELL 3,33,23.214,-103,49.755,4216,05/12/2011,03:35:11,

CELL 4,33,23.216,-103,49.790,4203,05/12/2011,03:40:42,

CELL 5,33,23.217,-103,49.829,4199,05/12/2011,03:47:16,

CELL 7,33,23.222,-103,49.911,4206,05/12/2011,03:54:46,

CELL 8,33,23.175,-103,49.946,4183,05/12/2011,04:00:19,

CELL 9,33,23.220,-103,49.959,4177,05/12/2011,04:03:36,

CELL 11,33,23.211,-103,50.030,4183,05/12/2011,04:09:22,

CELL 12,33,23.164,-103,50.044,4183,05/12/2011,04:13:51,

CELL 13,33,23.212,-103,50.098,4190,05/12/2011,04:20:37,

CELL 14,33,23.177,-103,50.143,4193,05/12/2011,04:26:24,

CELL 15,33,23.212,-103,50.203,4173,05/12/2011,04:31:34,

CELL 16,33,23.177,-103,50.205,4157,05/12/2011,04:36:34,

CELL 17,33,23.209,-103,50.279,4167,05/12/2011,04:43:30,

CELL 19,33,23.211,-103,50.350,4154,05/12/2011,04:51:10,

CELL 21,33,23.210,-103,50.450,4154,05/12/2011,04:59:13,

Appendix 3

TRACEANALYSIS, 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

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: May 23, 2011

Work Order: 11051618

Project Location: Sec. 4, 5, 8, 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st Quarter Soil Sampling 2011

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
266615	Cell 1	soil	2011-05-12	10:20	2011-05-14
266616	Cell 2	soil	2011-05-12	10:30	2011-05-14
266617	Cell 3	soil	2011-05-12	10:35	2011-05-14
266618	Cell 4	soil	2011-05-12	10:40	2011-05-14
266619	Cell 5	soil	2011-05-12	10:50	2011-05-14
266620	Cell 7	soil	2011-05-12	10:55	2011-05-14
266621	Cell 8	soil	2011-05-12	11:00	2011-05-14
266622	Cell 9	soil	2011-05-12	11:05	2011-05-14
266623	Cell 11	soil	2011-05-12	11:10	2011-05-14
266624	Cell 12	soil	2011-05-12	11:15	2011-05-14
266625	Cell 13	soil	2011-05-12	11:20	2011-05-14
266626	Cell 14	soil	2011-05-12	11:25	2011-05-14
266627	Cell 15	soil	2011-05-12	11:30	2011-05-14
266628	Cell 16	soil	2011-05-12	11:35	2011-05-14
266629	Cell 17	soil	2011-05-12	11:45	2011-05-14
266630	Cell 19	soil	2011-05-12	11:50	2011-05-14
266631	Cell 21	soil	2011-05-12	12:00	2011-05-14

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 28 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

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

Report Contents

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2011-05-14 and assigned to work order 11051618. Samples for work order 11051618 were received intact at a temperature of 0.1 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	69001	2011-05-16 at 16:08	81271	2011-05-16 at 16:08
BTEX	S 8021B	69002	2011-05-16 at 16:08	81272	2011-05-16 at 16:08
TPH 418.1	E 418.1	69177	2011-05-20 at 14:00	81471	2011-05-21 at 12:51

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 11051618 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: 266615 - Cell 1

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81271	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69001	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 112
4-Bromofluorobenzene (4-BFB)			1.90	mg/Kg	1	2.00	95	72.7 - 114

Sample: 266615 - Cell 1

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266616 - Cell 2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.07	mg/Kg	1	2.00	103	70 - 112
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	72.7 - 114

Sample: 266616 - Cell 2

Laboratory: Lubbock
Analysis: TPH 418.1 | Analytical Method: E 418.1 | Prep Method: N/A
QC Batch: 81471 | Date Analyzed: 2011-05-21 | Analyzed By: DS
Prep Batch: 69177 | Sample Preparation: 2011-05-20 | Prepared By: DS

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

Sample: 266617 - Cell 3

Laboratory: Lubbock
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 81272 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69002 | Sample Preparation: 2011-05-16 | Prepared By: ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.03	mg/Kg	1	2.00	101	70 - 112
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	72.7 - 114

Sample: 266617 - Cell 3

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266618 - Cell 4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.05	mg/Kg	1	2.00	102	70 - 112
4-Bromofluorobenzene (4-BFB)			2.03	mg/Kg	1	2.00	101	72.7 - 114

Sample: 266618 - Cell 4

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266619 - Cell 5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 112
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	72.7 - 114

Sample: 266619 - Cell 5

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266620 - Cell 7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.11	mg/Kg	1	2.00	105	70 - 112
4-Bromofluorobenzene (4-BFB)			2.11	mg/Kg	1	2.00	105	72.7 - 114

Sample: 266620 - Cell 7

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266621 - Cell 8

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.12	mg/Kg	1	2.00	106	70 - 112
4-Bromofluorobenzene (4-BFB)			2.12	mg/Kg	1	2.00	106	72.7 - 114

Sample: 266621 - Cell 8

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266622 - Cell 9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.15	mg/Kg	1	2.00	107	70 - 112
4-Bromofluorobenzene (4-BFB)			2.16	mg/Kg	1	2.00	108	72.7 - 114

Sample: 266622 - Cell 9

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266623 - Cell 11

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.12	mg/Kg	1	2.00	106	70 - 112
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	72.7 - 114

Sample: 266623 - Cell 11

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266624 - Cell 12

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	99	70 - 112
4-Bromofluorobenzene (4-BFB)			1.99	mg/Kg	1	2.00	100	72.7 - 114

Sample: 266624 - Cell 12

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266625 - Cell 13

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.12	mg/Kg	1	2.00	106	70 - 112
4-Bromofluorobenzene (4-BFB)			2.15	mg/Kg	1	2.00	108	72.7 - 114

Sample: 266625 - Cell 13

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266626 - Cell 14

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.99	mg/Kg	1	2.00	100	70 - 112
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	72.7 - 114

Sample: 266626 - Cell 14

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266627 - Cell 15

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 112
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	72.7 - 114

Sample: 266627 - Cell 15

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266628 - Cell 16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 112
4-Bromofluorobenzene (4-BFB)			1.98	mg/Kg	1	2.00	99	72.7 - 114

Sample: 266628 - Cell 16

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266629 - Cell 17

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.05	mg/Kg	1	2.00	102	70 - 112
4-Bromofluorobenzene (4-BFB)			1.99	mg/Kg	1	2.00	100	72.7 - 114

Sample: 266629 - Cell 17

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266630 - Cell 19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.14	mg/Kg	1	2.00	107	70 - 112
4-Bromofluorobenzene (4-BFB)			2.18	mg/Kg	1	2.00	109	72.7 - 114

Sample: 266630 - Cell 19

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

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

Sample: 266631 - Cell 21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	81272	Date Analyzed:	2011-05-16	Analyzed By:	ER
Prep Batch:	69002	Sample Preparation:	2011-05-16	Prepared By:	ER

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.04	mg/Kg	1	2.00	102	70 - 112
4-Bromofluorobenzene (4-BFB)			2.04	mg/Kg	1	2.00	102	72.7 - 114

Sample: 266631 - Cell 21

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	Sample Preparation:	2011-05-20	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**37.2**	mg/Kg	1	10.0

Method Blanks

Method Blank (1) QC Batch: 81271

QC Batch: 81271 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69001 | QC Preparation: 2011-05-16 | Prepared By: ER

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 112
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	72.7 - 114

Method Blank (1) QC Batch: 81272

QC Batch: 81272 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69002 | QC Preparation: 2011-05-16 | Prepared By: ER

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00335	mg/Kg	0.02
Toluene		1	<0.00471	mg/Kg	0.02
Ethylbenzene		1	<0.00440	mg/Kg	0.02
Xylene		1	<0.00557	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.89	mg/Kg	1	2.00	94	70 - 112
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	72.7 - 114

Method Blank (1) QC Batch: 81471

QC Batch:	81471	Date Analyzed:	2011-05-21	Analyzed By:	DS
Prep Batch:	69177	QC Preparation:	2011-05-20	Prepared By:	DS

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

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 81271 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69001 | QC Preparation: 2011-05-16 | Prepared By: ER

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.83	mg/Kg	1	2.00	<0.00335	92	75.4 - 110
Toluene		1	1.85	mg/Kg	1	2.00	<0.00471	92	73.2 - 114
Ethylbenzene		1	1.78	mg/Kg	1	2.00	<0.00440	89	74.4 - 111
Xylene		1	5.51	mg/Kg	1	6.00	<0.00557	92	75.9 - 113

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.81	mg/Kg	1	2.00	<0.00335	90	75.4 - 110	1	20
Toluene		1	1.85	mg/Kg	1	2.00	<0.00471	92	73.2 - 114	0	20
Ethylbenzene		1	1.79	mg/Kg	1	2.00	<0.00440	90	74.4 - 111	1	20
Xylene		1	5.54	mg/Kg	1	6.00	<0.00557	92	75.9 - 113	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.74	1.87	mg/Kg	1	2.00	87	94	67.6 - 113
4-Bromofluorobenzene (4-BFB)	1.67	1.83	mg/Kg	1	2.00	84	92	72 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 81272 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69002 | QC Preparation: 2011-05-16 | Prepared By: ER

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.76	mg/Kg	1	2.00	<0.00335	88	75.4 - 110
Toluene		1	1.79	mg/Kg	1	2.00	<0.00471	90	73.2 - 114
Ethylbenzene		1	1.75	mg/Kg	1	2.00	<0.00440	87	74.4 - 111
Xylene		1	5.38	mg/Kg	1	6.00	<0.00557	90	75.9 - 113

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.82	mg/Kg	1	2.00	<0.00335	91	75.4 - 110	4	20
Toluene		1	1.83	mg/Kg	1	2.00	<0.00471	92	73.2 - 114	2	20
Ethylbenzene		1	1.78	mg/Kg	1	2.00	<0.00440	89	74.4 - 111	2	20
Xylene		1	5.48	mg/Kg	1	6.00	<0.00557	91	75.9 - 113	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.82	mg/Kg	1	2.00	96	91	67.6 - 113
4-Bromofluorobenzene (4-BFB)	1.85	1.80	mg/Kg	1	2.00	92	90	72 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 81471 | Date Analyzed: 2011-05-21 | Analyzed By: DS
Prep Batch: 69177 | QC Preparation: 2011-05-20 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			259	mg/Kg	1	250	<4.79	104	84.3 - 122

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			258	mg/Kg	1	250	<4.79	103	84.3 - 122	0	

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

Matrix Spike (MS-1) Spiked Sample: 266530

QC Batch: 81271 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69001 | QC Preparation: 2011-05-16 | Prepared By: ER

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.45	mg/Kg	1	2.00	<0.00335	72	57.5 - 115
Toluene		1	1.52	mg/Kg	1	2.00	<0.00471	76	59.8 - 125
Ethylbenzene		1	1.49	mg/Kg	1	2.00	<0.00440	74	60.5 - 130
Xylene		1	4.63	mg/Kg	1	6.00	<0.00557	77	62.6 - 131

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.40	mg/Kg	1	2.00	<0.00335	70	57.5 - 115	4	20
Toluene		1	1.46	mg/Kg	1	2.00	<0.00471	73	59.8 - 125	4	20
Ethylbenzene		1	1.44	mg/Kg	1	2.00	<0.00440	72	60.5 - 130	3	20
Xylene		1	4.46	mg/Kg	1	6.00	<0.00557	74	62.6 - 131	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)	1.97	2.08	mg/Kg	1	2	98	104	59.3 - 128
4-Bromofluorobenzene (4-BFB)	1.87	1.97	mg/Kg	1	2	94	98	67.4 - 130

Matrix Spike (MS-1) Spiked Sample: 266617

QC Batch: 81272 | Date Analyzed: 2011-05-16 | Analyzed By: ER
Prep Batch: 69002 | QC Preparation: 2011-05-16 | Prepared By: ER

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.48	mg/Kg	1	2.00	<0.00335	74	57.5 - 115
Toluene		1	1.62	mg/Kg	1	2.00	<0.00471	81	59.8 - 125
Ethylbenzene		1	1.63	mg/Kg	1	2.00	<0.00440	82	60.5 - 130
Xylene		1	5.07	mg/Kg	1	6.00	<0.00557	84	62.6 - 131

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.41	mg/Kg	1	2.00	<0.00335	70	57.5 - 115	4	20
Toluene		1	1.55	mg/Kg	1	2.00	<0.00471	78	59.8 - 125	4	20
Ethylbenzene		1	1.59	mg/Kg	1	2.00	<0.00440	80	60.5 - 130	3	20
Xylene		1	4.91	mg/Kg	1	6.00	<0.00557	82	62.6 - 131	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.93	1.96	mg/Kg	1	2	96	98	59.3 - 128
4-Bromofluorobenzene (4-BFB)	1.86	1.92	mg/Kg	1	2	93	96	67.4 - 130

Matrix Spike (MS-1) Spiked Sample: 266619

QC Batch: 81471 | Date Analyzed: 2011-05-21 | Analyzed By: DS
Prep Batch: 69177 | QC Preparation: 2011-05-20 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			237	mg/Kg	1	250	<4.79	95	43 - 161

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
TRPHC			228	mg/Kg	1	250	<4.79	91	43 - 161	4	

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

Calibration Standards

Standard (CCV-2)

QC Batch: 81271 Date Analyzed: 2011-05-16 Analyzed By: ER

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0944	94	80 - 120	2011-05-16
Toluene		1	mg/Kg	0.100	0.0961	96	80 - 120	2011-05-16
Ethylbenzene		1	mg/Kg	0.100	0.0917	92	80 - 120	2011-05-16
Xylene		1	mg/Kg	0.300	0.282	94	80 - 120	2011-05-16

Standard (CCV-3)

QC Batch: 81271 Date Analyzed: 2011-05-16 Analyzed By: ER

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0919	92	80 - 120	2011-05-16
Toluene		1	mg/Kg	0.100	0.0928	93	80 - 120	2011-05-16
Ethylbenzene		1	mg/Kg	0.100	0.0887	89	80 - 120	2011-05-16
Xylene		1	mg/Kg	0.300	0.273	91	80 - 120	2011-05-16

Standard (CCV-1)

QC Batch: 81272 Date Analyzed: 2011-05-16 Analyzed By: ER

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0887	89	80 - 120	2011-05-16
Toluene		1	mg/Kg	0.100	0.0913	91	80 - 120	2011-05-16
Ethylbenzene		1	mg/Kg	0.100	0.0889	89	80 - 120	2011-05-16
Xylene		1	mg/Kg	0.300	0.274	91	80 - 120	2011-05-16

Standard (CCV-2)

QC Batch: 81272 Date Analyzed: 2011-05-16 Analyzed By: ER

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0937	94	80 - 120	2011-05-16
Toluene		1	mg/Kg	0.100	0.0961	96	80 - 120	2011-05-16
Ethylbenzene		1	mg/Kg	0.100	0.0902	90	80 - 120	2011-05-16
Xylene		1	mg/Kg	0.300	0.278	93	80 - 120	2011-05-16

Standard (CCV-3)

QC Batch: 81272 Date Analyzed: 2011-05-16 Analyzed By: ER

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/Kg	0.100	0.0908	91	80 - 120	2011-05-16
Toluene		1	mg/Kg	0.100	0.0943	94	80 - 120	2011-05-16
Ethylbenzene		1	mg/Kg	0.100	0.0889	89	80 - 120	2011-05-16
Xylene		1	mg/Kg	0.300	0.276	92	80 - 120	2011-05-16

Standard (CCV-1)

QC Batch: 81471 Date Analyzed: 2011-05-21 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	103	103	80 - 120	2011-05-21

Standard (CCV-2)

QC Batch: 81471 Date Analyzed: 2011-05-21 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	103	103	80 - 120	2011-05-21

Standard (CCV-3)

QC Batch: 81471 Date Analyzed: 2011-05-21 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	104	104	80 - 120	2011-05-21

Standard (CCV-4)

QC Batch: 81471 Date Analyzed: 2011-05-21 Analyzed By: DS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC			mg/Kg	100	106	106	80 - 120	2011-05-21

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-TX	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1105618

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435

Contact Person: Larry Gandy @ 575-399-5721 E-mail: GMI@dfn.com Sandy2@leaco.net

Invoice to: (If different from above)

Project #: 1st Quarter 2011 Soil Sampling (NM-1-0007) Project Name: MI Land Farm

Project Location (including state): Sec. 4,5,8,9 T.11.S. R.31E. NM Sampler Signature: Charles Gandy

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
2616615	Cell 1	1	4oz/16		X							X	X	05/14/11	1020		X	X																					
616	Cell 2														1030																								
617	Cell 3														1035																								
618	Cell 4														1040																								
619	Cell 5														1050																								
620	Cell 7														1055																								
621	Cell 8														1100																								
622	Cell 9														1105																								
623	Cell 11														1110																								
624	Cell 12														1115																								
625	Cell 13														1120																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	CMB	05/13/11	1530					INST ___ °C OBS ___ °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C
								INST IR °C OBS ___ °C COR 0.1 °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review MA

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

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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Page 2 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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: Sandy-Marley Inc. Phone #: 575-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202 Fax #: 575-347-0435

Contact Person: Larry Sandy c 575-399-5721 E-mail: GMIc@dtn.com

Invoice to: (If different from above) Sandy2@cableone.net

Project #: 1st Quarter 2011 Soil Sampling (NM-111-1-0020 Project Name: GMI Landfarm

Project Location (including state): Sec. 4,5,8,9 T.11.S. R31E. Chaves Co NM Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
26626	Cell 14	1	40z/6	X								X	X	05/13/11	1125		X	X																		
627	Cell 15	↓	↓												1130		↓	↓																		
628	Cell 16														1135																					
629	Cell 17														1145																					
630	Cell 19	↓	↓												1150																					
631	Cell 21	1	40z/6											↓	1200		↓	↓																		
632 DW	Temp Blank	1	125 mL																																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	CMB	05/13/11	1530					INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C
						5-14-11	12:00	INST 2.1 °C OBS ____ °C COR 0.1 °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review MM

REMARKS: Please Send Copy of Results ASAP To- Cmbenvirosc@dtn.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.

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