NM1 - ___19____

MONITORING REPORT

YEAR(S):

__2012__

September 12, 2012
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 2012
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: **September 12, 2012**

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 #: State of Wyoming Professional Geologist 3042, exp. 12/31/12

Date: 09/12/2012

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 2012 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 2012 soil sampling / monitoring was performed on May 24, 2012. 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 <0.0300 (Mg/Kg) BTEX, and TPH concentrations ≤ 10.0 (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 < 0.03 (Mg/Kg), and TPH Concentrations ≤ 10.0 (Mg/Kg.).

LIST OF FIGURES

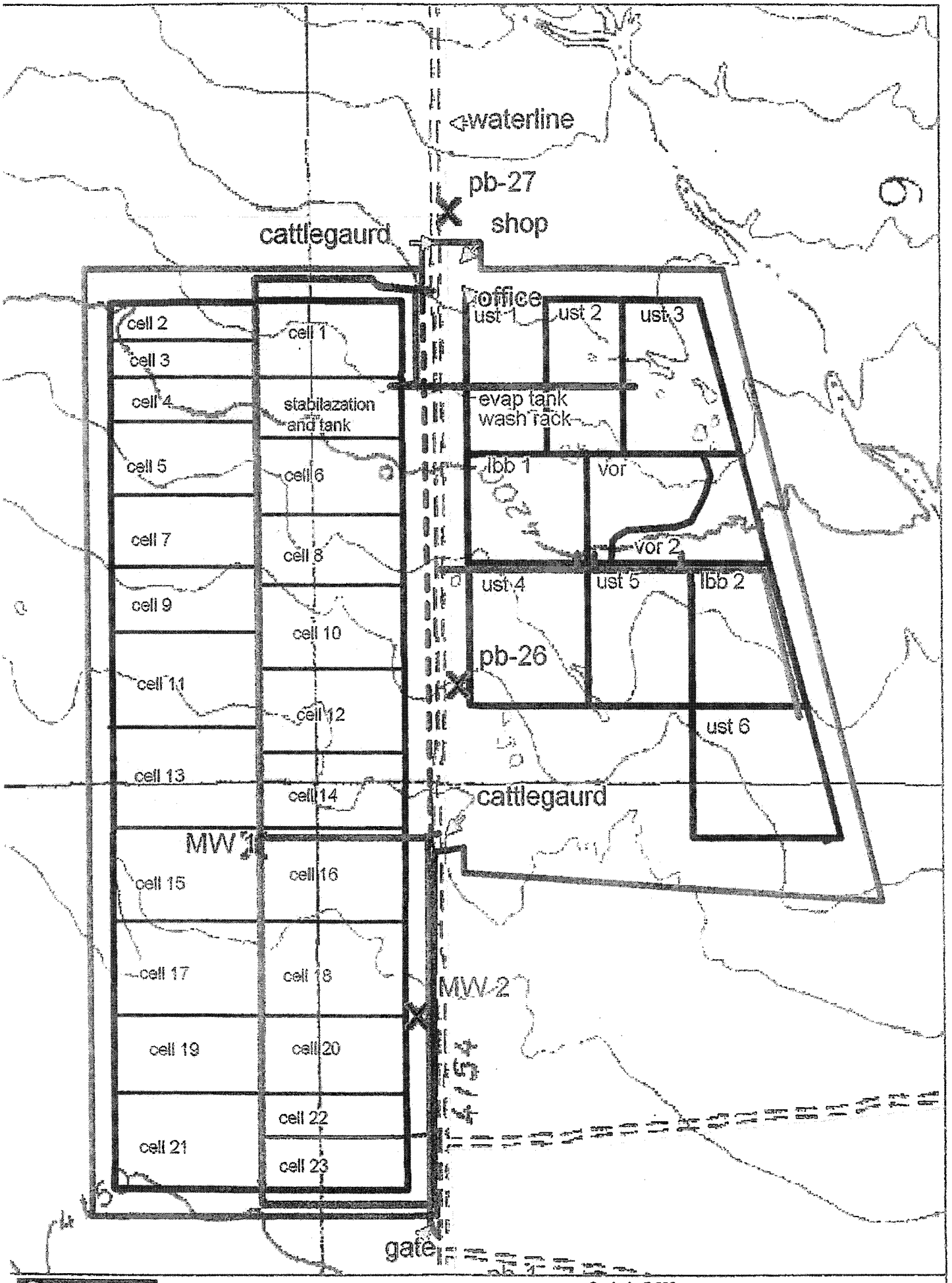
LIST OF TABLES

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

LIST OF APPENDICES

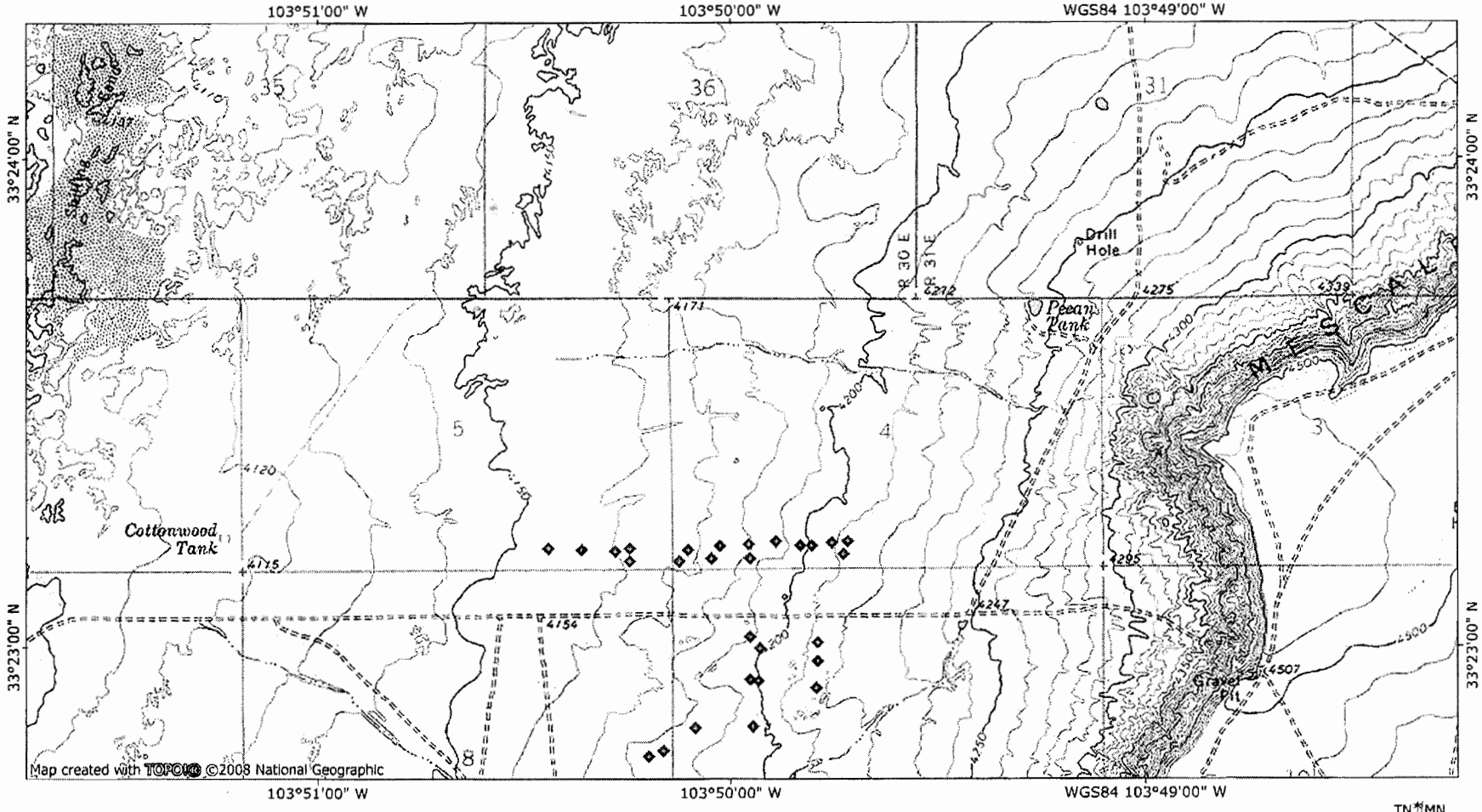
Appendix		**Included**	**N/A**
1	Sampling Protocol	X	
2	Field Notes /with GPS Coordinates of samples	X	
3	Laboratory Reports	X	

Figures:



Scale 1 : 7,200
1" = 600 ft

TOPO! map printed on 09/11/12 from TOPO Map of First Quarter or Semi Annual Sample Locations 05/24/2012



NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 miles
0.0 0.5 1.0 km

TN MN
7½°
09/11/12

Tables:

Summary Report

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

Report Date: May 31, 2012

Work Order: 12052529

Project Location: Sec. 4, 5, 8, & 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st ~~Semi-Annual~~ Soil Sampling 2012
Quarter

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
299098	Cell #1	soil	2012-05-24	09:45	2012-05-25
299099	Cell #2	soil	2012-05-24	09:55	2012-05-25
299100	Cell #3	soil	2012-05-24	09:58	2012-05-25
299101	Cell #4	soil	2012-05-24	10:02	2012-05-25
299102	Cell #5	soil	2012-05-24	10:06	2012-05-25
299104	Cell #7	soil	2012-05-24	10:10	2012-05-25
299105	Cell #9	soil	2012-05-24	10:16	2012-05-25
299106	Cell #10	soil	2012-05-24	10:21	2012-05-25
299107	Cell #11	soil	2012-05-24	10:26	2012-05-25
299108	Cell #12	soil	2012-05-24	10:30	2012-05-25
299109	Cell #13	soil	2012-05-24	10:35	2012-05-25
299110	Cell #14	soil	2012-05-24	10:38	2012-05-25
299111	Cell #15	soil	2012-05-24	10:43	2012-05-25
299112	Cell #16	soil	2012-05-24	10:45	2012-05-25
299113	Cell #17	soil	2012-05-24	10:49	2012-05-25
299114	Cell #19	soil	2012-05-24	10:55	2012-05-25
299115	Cell #21	soil	2012-05-24	11:00	2012-05-25

	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)
299098 - Cell #1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299099 - Cell #2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299100 - Cell #3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299101 - Cell #4	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299102 - Cell #5	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299104 - Cell #7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299105 - Cell #9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299106 - Cell #10	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

continued . . .

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	BTEX Toluene (mg/Kg)	BTEX Ethylbenzene (mg/Kg)	BTEX Xylene (mg/Kg)	MTBE MTBE (mg/Kg)	TPH 418.1 TRPHC (mg/Kg)
299107 - Cell #11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299108 - Cell #12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299109 - Cell #13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299110 - Cell #14	<0.0200	<0.0200	<0.0200	**0.0347**		<10.0
299111 - Cell #15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299112 - Cell #16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299113 - Cell #17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299114 - Cell #19	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
299115 - Cell #21	<0.0200	<0.0200	<0.0200	<0.0200		<10.0

Appendix 1
Sampling Protocol

Appendix 1
Sampling Protocol

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

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

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

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

Appendix 2
Field Notes

Location GMI Landfarm Date 05/24/12

Project / Client 1st Semi-Annual Soil Sampling 2012 By: CMB Environmental & Geological Services Inc - Page 1 of 2

Cell #	Time	GPS Coordinates	Remarks
Cell #1	0945	33.38649 103.82877	Brown - Tan white med gr. Sand w/ 10% Caliche
Cell #2	0955	33.38694 103.82859	Red clayey sand NO odor OR stain 03 'BGS.
Cell #3	0959	33.38686 103.82920	Same as above w/ 10% Caliche
Cell #4	10:02	33.38680 103.83002	Red Clayey Sand. med. gr. well sorted 10% Caliche NO odor or stain
Cell #5	10:06	33.38679 103.83048	Brown clayey Sand med. Gr. 10% Caliche (Damp) NO odor or stain
Cell #7	10:10	33.38694 103.83147	Same as above Dry not Damp.
Cell #9	10:16	33.38684 103.83259	Tan brown clayey med. Gr. Sand well sorted 10% Caliche - NO odor or stain
Cell #10	10:21	33.38636 103.83257	Same as above 20% Caliche
Cell #11	10:26	33.38681 103.83379	Brown Clayey med gr. well sorted Sand No odor or stain
Cell #12	10:30	33.38636 103.83411	Same as above
Cell #13	10:35	33.38664 103.83504	Brown Clayey med gr. well sorted Sand NO odor or Stain

Location GMI Landfarm Date 05/24/12

Project / Client 1st Semi-Annual Soil Sampling 2012 By: CMB Environmental & Geological Services Inc - page 2 of 2

Cell #	Time	GPS Coordinates	Remarks
Cell #14	10:38	33.38628 103.83538	Red-Brown Clayey Sand No odor or stain
Cell #15	10:43	33.38668 103.83736	Same as above
Cell #16	10:45	33.38627 103.83739	Tan Brown Clayey Sand w/ 20% Caliche No odor or stain
Cell #17	10:49	33.38659 103.83793	Same as above
Cell #19	10:55	33.38664 103.83926	Red clayey med gr. well sorted Sand No odor or stain
Cell #21	11:00	33.38670 103.84060	Tan brown clayey Sand med gr. well sorted 20% Caliche

TOPO! GPS Data Format DegMinSec NAD83 ElevFeet Local-Time
WP0001,33,23,11,-103,49,44,4242,05/24/2012,02:51:38,
WP0002,33,23,13,-103,49,43,4259,05/24/2012,02:55:02,
WP0003,33,23,13,-103,49,45,4245,05/24/2012,02:59:14,
WP0004,33,23,12,-103,49,48,4226,05/24/2012,03:03:09,
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WP0006,33,23,13,-103,49,53,4199,05/24/2012,03:11:28,
WP0007,33,23,13,-103,49,57,4183,05/24/2012,03:16:53,
WP0008,33,23,11,-103,49,57,4203,05/24/2012,03:21:54,
WP0009,33,23,13,-103,50,2,4199,05/24/2012,03:26:59,
WP0010,33,23,11,-103,50,3,4186,05/24/2012,03:30:30,
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WP0012,33,23,11,-103,50,7,4180,05/24/2012,03:39:16,
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WP0014,33,23,11,-103,50,15,4167,05/24/2012,03:46:26,
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WP0024,33,23,0,-103,49,56,4226,05/24/2012,04:44:45,
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WP0026,33,23,1,-103,49,47,4226,05/24/2012,05:17:22,
WP0027,33,22,58,-103,49,47,4232,05/24/2012,05:21:02,
WP0028,33,22,55,-103,49,47,4232,05/24/2012,05:25:13,

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 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.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: May 31, 2012

Work Order: 12052529

Project Location: Sec. 4, 5, 8, & 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 1st ~~Semi-Annual~~ Quarter Soil Sampling 2012

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
299098	Cell #1	soil	2012-05-24	09:45	2012-05-25
299099	Cell #2	soil	2012-05-24	09:55	2012-05-25
299100	Cell #3	soil	2012-05-24	09:58	2012-05-25
299101	Cell #4	soil	2012-05-24	10:02	2012-05-25
299102	Cell #5	soil	2012-05-24	10:06	2012-05-25
299104	Cell #7	soil	2012-05-24	10:10	2012-05-25
299105	Cell #9	soil	2012-05-24	10:16	2012-05-25
299106	Cell #10	soil	2012-05-24	10:21	2012-05-25
299107	Cell #11	soil	2012-05-24	10:26	2012-05-25
299108	Cell #12	soil	2012-05-24	10:30	2012-05-25
299109	Cell #13	soil	2012-05-24	10:35	2012-05-25
299110	Cell #14	soil	2012-05-24	10:38	2012-05-25
299111	Cell #15	soil	2012-05-24	10:43	2012-05-25
299112	Cell #16	soil	2012-05-24	10:45	2012-05-25
299113	Cell #17	soil	2012-05-24	10:49	2012-05-25
299114	Cell #19	soil	2012-05-24	10:55	2012-05-25
299115	Cell #21	soil	2012-05-24	11:00	2012-05-25

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.

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

Report Contents

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2012-05-25 and assigned to work order 12052529. Samples for work order 12052529 were received intact at a temperature of 5.5 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	77694	2012-05-25 at 14:43	91580	2012-05-25 at 14:43
BTEX	S 8021B	77697	2012-05-25 at 14:36	91583	2012-05-25 at 14:36
TPH 418.1	E 418.1	77763	2012-05-30 at 12:00	91663	2012-05-30 at 12:06

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 12052529 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: 299098 - Cell #1

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91580	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77694	Sample Preparation:	2012-05-25	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)			2.04	mg/Kg	1	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)			1.98	mg/Kg	1	2.00	99	70 - 130

Sample: 299098 - Cell #1

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299099 - Cell #2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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	Jb	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)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 299099 - Cell #2

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299100 - Cell #3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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	Jb	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)			1.84	mg/Kg	1	2.00	92	70 - 130

Sample: 299100 - Cell #3

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299101 - Cell #4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 299101 - Cell #4

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299102 - Cell #5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.84	mg/Kg	1	2.00	92	70 - 130

Sample: 299102 - Cell #5

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299104 - Cell #7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 299104 - Cell #7

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299105 - Cell #9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 299105 - Cell #9

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299106 - Cell #10

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 299106 - Cell #10

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299107 - Cell #11

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 299107 - Cell #11

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299108 - Cell #12

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 299108 - Cell #12

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299109 - Cell #13

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 299109 - Cell #13

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299110 - Cell #14

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	Prepared By:	MT

Parameter	Flag	Cert	Result	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	Jb	1	<0.0200		mg/Kg	1	0.0200
Xylene	B	1	**0.0347**		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)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 299110 - Cell #14

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299111 - Cell #15

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	Prepared By:	MT

Parameter	Flag	Cert	Result	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	Jb	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)			1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 299111 - Cell #15

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299112 - Cell #16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.93	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 299112 - Cell #16

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299113 - Cell #17

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Sample: 299113 - Cell #17

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299114 - Cell #19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 299114 - Cell #19

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Sample: 299115 - Cell #21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	Sample Preparation:	2012-05-25	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 299115 - Cell #21

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	Sample Preparation:	2012-05-30	Prepared By:	DS

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

Method Blanks

Method Blank (1) QC Batch: 91580

QC Batch:	91580	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77694	QC Preparation:	2012-05-25	Prepared By:	MT

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00332	mg/Kg	0.02
Toluene		1	<0.00318	mg/Kg	0.02
Ethylbenzene		1	<0.00385	mg/Kg	0.02
Xylene		1	0.00360	mg/Kg	0.02

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)			2.04	mg/Kg	1	2.00	102	70 - 130

Method Blank (1) QC Batch: 91583

QC Batch:	91583	Date Analyzed:	2012-05-25	Analyzed By:	MT
Prep Batch:	77697	QC Preparation:	2012-05-25	Prepared By:	MT

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.00365	mg/Kg	0.02
Toluene		1	<0.00816	mg/Kg	0.02
Ethylbenzene		1	0.00880	mg/Kg	0.02
Xylene		1	0.0273	mg/Kg	0.02

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)			1.89	mg/Kg	1	2.00	94	70 - 130

Method Blank (1) QC Batch: 91663

QC Batch:	91663	Date Analyzed:	2012-05-30	Analyzed By:	DS
Prep Batch:	77763	QC Preparation:	2012-05-30	Prepared By:	DS

Parameter	Flag	Cert	MDL Result	Units	RL
TRPHC			<6.29	mg/Kg	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 91580 | Date Analyzed: 2012-05-25 | Analyzed By: MT
Prep Batch: 77694 | QC Preparation: 2012-05-25 | Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.92	mg/Kg	1	2.00	<0.00332	96	70 - 130
Toluene		1	1.93	mg/Kg	1	2.00	<0.00318	96	70 - 130
Ethylbenzene		1	1.93	mg/Kg	1	2.00	<0.00385	96	70 - 130
Xylene		1	5.71	mg/Kg	1	6.00	0.0036	95	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	1.94	mg/Kg	1	2.00	<0.00332	97	70 - 130	1	20
Toluene		1	1.93	mg/Kg	1	2.00	<0.00318	96	70 - 130	0	20
Ethylbenzene		1	1.96	mg/Kg	1	2.00	<0.00385	98	70 - 130	2	20
Xylene		1	5.81	mg/Kg	1	6.00	0.0036	97	70 - 130	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.88	mg/Kg	1	2.00	95	94	70 - 130
4-Bromofluorobenzene (4-BFB)	1.89	1.92	mg/Kg	1	2.00	95	96	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 91583 | Date Analyzed: 2012-05-25 | Analyzed By: MT
Prep Batch: 77697 | QC Preparation: 2012-05-25 | Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	2.00	mg/Kg	1	2.00	<0.00365	100	75.4 - 120
Toluene		1	2.04	mg/Kg	1	2.00	<0.00816	102	74.9 - 120
Ethylbenzene		1	1.97	mg/Kg	1	2.00	0.0088	98	78.1 - 120
Xylene		1	5.98	mg/Kg	1	6.00	0.0273	100	77.3 - 120

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	2.03	mg/Kg	1	2.00	<0.00365	102	75.4 - 120	2	20
Toluene		1	2.08	mg/Kg	1	2.00	<0.00816	104	74.9 - 120	2	20
Ethylbenzene		1	2.00	mg/Kg	1	2.00	0.0088	100	78.1 - 120	2	20
Xylene		1	6.05	mg/Kg	1	6.00	0.0273	101	77.3 - 120	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.92	1.96	mg/Kg	1	2.00	96	98	70 - 130
4-Bromofluorobenzene (4-BFB)	1.94	1.95	mg/Kg	1	2.00	97	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 91663 | Date Analyzed: 2012-05-30 | Analyzed By: DS
Prep Batch: 77763 | QC Preparation: 2012-05-30 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			257	mg/Kg	1	250	<6.29	103	80 - 120

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			284	mg/Kg	1	250	<6.29	114	80 - 120	10	20

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

Matrix Spike (MS-1) Spiked Sample: 298920

QC Batch: 91580 | Date Analyzed: 2012-05-25 | Analyzed By: MT
Prep Batch: 77694 | QC Preparation: 2012-05-25 | Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.92	mg/Kg	1	2.00	<0.00332	96	70 - 130
Toluene		1	1.93	mg/Kg	1	2.00	<0.00318	96	70 - 130
Ethylbenzene		1	1.98	mg/Kg	1	2.00	<0.00385	99	70 - 130
Xylene		1	5.80	mg/Kg	1	6.00	0.0046	96	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	1.88	mg/Kg	1	2.00	<0.00332	94	70 - 130	2	20
Toluene		1	1.92	mg/Kg	1	2.00	<0.00318	96	70 - 130	0	20
Ethylbenzene		1	1.96	mg/Kg	1	2.00	<0.00385	98	70 - 130	1	20
Xylene		1	5.75	mg/Kg	1	6.00	0.0046	96	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)	1.97	1.93	mg/Kg	1	2	98	96	70 - 130
4-Bromofluorobenzene (4-BFB)	1.75	1.74	mg/Kg	1	2	88	87	70 - 130

Matrix Spike (MS-1) Spiked Sample: 299109

QC Batch: 91583 | Date Analyzed: 2012-05-25 | Analyzed By: MT
Prep Batch: 77697 | QC Preparation: 2012-05-25 | Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.86	mg/Kg	1	2.00	<0.00365	93	37.6 - 142
Toluene		1	1.96	mg/Kg	1	2.00	<0.00816	98	38.6 - 153
Ethylbenzene		1	1.97	mg/Kg	1	2.00	<0.00560	98	36.7 - 172
Xylene		1	6.03	mg/Kg	1	6.00	<0.00460	100	36.7 - 173

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	1.79	mg/Kg	1	2.00	<0.00365	90	37.6 - 142	4	20
Toluene		1	1.90	mg/Kg	1	2.00	<0.00816	95	38.6 - 153	3	20
Ethylbenzene		1	1.91	mg/Kg	1	2.00	<0.00560	96	36.7 - 172	3	20
Xylene		1	5.86	mg/Kg	1	6.00	<0.00460	98	36.7 - 173	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)	2.01	1.99	mg/Kg	1	2	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	1.89	1.89	mg/Kg	1	2	94	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 299098

QC Batch: 91663 | Date Analyzed: 2012-05-30 | Analyzed By: DS
Prep Batch: 77763 | QC Preparation: 2012-05-30 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			259	mg/Kg	1	250	<6.29	104	80 - 120

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			262	mg/Kg	1	250	<6.29	105	80 - 120	1	20

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: 91580 | Date Analyzed: 2012-05-25 | 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	0.0974	97	80 - 120	2012-05-25
Toluene		1	mg/kg	0.100	0.0982	98	80 - 120	2012-05-25
Ethylbenzene		1	mg/kg	0.100	0.0982	98	80 - 120	2012-05-25
Xylene		1	mg/kg	0.300	0.290	97	80 - 120	2012-05-25

Standard (CCV-3)

QC Batch: 91580 | Date Analyzed: 2012-05-25 | 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	0.0995	100	80 - 120	2012-05-25
Toluene		1	mg/kg	0.100	0.0987	99	80 - 120	2012-05-25
Ethylbenzene		1	mg/kg	0.100	0.0978	98	80 - 120	2012-05-25
Xylene		1	mg/kg	0.300	0.289	96	80 - 120	2012-05-25

Standard (CCV-1)

QC Batch: 91583 | Date Analyzed: 2012-05-25 | 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	0.102	102	80 - 120	2012-05-25
Toluene		1	mg/kg	0.100	0.103	103	80 - 120	2012-05-25
Ethylbenzene		1	mg/kg	0.100	0.100	100	80 - 120	2012-05-25
Xylene		1	mg/kg	0.300	0.304	101	80 - 120	2012-05-25

Standard (CCV-2)

QC Batch: 91583 Date Analyzed: 2012-05-25 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	0.102	102	80 - 120	2012-05-25
Toluene		1	mg/kg	0.100	0.104	104	80 - 120	2012-05-25
Ethylbenzene		1	mg/kg	0.100	0.0992	99	80 - 120	2012-05-25
Xylene		1	mg/kg	0.300	0.302	101	80 - 120	2012-05-25

Standard (CCV-3)

QC Batch: 91583 Date Analyzed: 2012-05-25 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	0.0999	100	80 - 120	2012-05-25
Toluene		1	mg/kg	0.100	0.102	102	80 - 120	2012-05-25
Ethylbenzene		1	mg/kg	0.100	0.0972	97	80 - 120	2012-05-25
Xylene		1	mg/kg	0.300	0.296	99	80 - 120	2012-05-25

Standard (CCV-1)

QC Batch: 91663 Date Analyzed: 2012-05-30 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	107	107	80 - 120	2012-05-30

Standard (CCV-2)

QC Batch: 91663 Date Analyzed: 2012-05-30 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	2012-05-30

Standard (CCV-3)

QC Batch: 91663 Date Analyzed: 2012-05-30 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	2012-05-30

Standard (CCV-4)

QC Batch: 91663 Date Analyzed: 2012-05-30 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	2012-05-30

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

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	T104704219-12-8	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.

12052529

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 12052529

Company Name: Gandy Marley Inc.
Phone #: 575. 347. 0434

Address: (Street, City, Zip) PO Box 1658 Roswell NM 88202
Fax #: 575. 347. 0435
e-mail: GMI@dfn.com

Contact Person: Bret Riley @ 505.330.2461 riley-bret@yahoo.com

Invoice to: (If different from above)

Project #: 1st Semi-Annual Soil Sampling 2012
Project Name: GMI Landfarm

Project Location: Sec. 4, 5, 8, & 9 T.11.S. R.31E. Chaves Co. New Mexico
Sampler Signature: [signature]

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
299098	Cell #1	1	4oz		X							X	X	05/24/12	0949
099	Cell #2	↓	↓		↓							↓	↓	↓	0955
100	Cell #3	↓	↓		↓							↓	↓	↓	0958
101	Cell #4	↓	↓		↓							↓	↓	↓	1002
102	Cell #5	↓	↓		↓							↓	↓	↓	1006
~~103~~	~~Cell #6~~														—
104	Cell #7	↓	↓		↓							↓	↓	↓	1010
105	Cell #9	↓	↓		↓							↓	↓	↓	1016
106	Cell #10	↓	↓		↓							↓	↓	↓	1021
107	Cell #11	↓	↓		↓							↓	↓	↓	1026
108	Cell #12	↓	↓		↓							↓	↓	↓	1030

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB #	MTBE 8021B/602	BTEX (8021B)/602	(TPH 418.1/TX1005)	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content					Turn Around Time if different from standard	Hold
299098		X	X																				
099		↓	↓																				
100		↓	↓																				
101		↓	↓																				
102		↓	↓																				
~~103~~																							
104		↓	↓																				
105		↓	↓																				
106		↓	↓																				
107		↓	↓																				
108		↓	↓																				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	05/24/12	1500			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			Brenda Ward	5/25/12	11:30

5.6
5.5

LAB USE ONLY

Intact (Y) / N
Headspace Y / (NA)
Temp 5.6/5.5 °
Log-in Review BW

REMARKS: Please Send Copy of Results ASAP to Cmbenviro@cableone.net

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # Fed 7936 0640 9878

LAB Order ID # 12052529

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

5002 Basin Street, Suite A1, **Midland, Texas 79703**, Tel (432) 689-6301, Fax (432) 689-6313

200 East Sunset Rd., Suite E, **El Paso, Texas 79922**, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180, **Ft. Worth, Texas 76116**, Tel (817) 201-5260, Fax (817) 560-4336

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: GMIc dtn.com / riley-bret@yahoo.com
Invoice to: (If different from above)
Project #:
Project Name: GMI Landfarm
Project Location (including state): Sec. 4&5, 8&9 T.11.S R.31.E, Chaves Co. New Mexico
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

Analyses listed: MTBE 8021B / 602 / 8260B / 624; BTEX (8021B) / 602 / 8260B / 624 (circled); TPH (418.1) / TX1005 / TX1005 Ext(C35) (circled); TPH 8015 GRO / DRO / TVHC; PAH 8270C / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B / 624; GC/MS Semi. Vol. 8270C / 625; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Turn Around Time if different from standard; Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME	MTBE	BTEX 8021B	TPH 418.1
299109	Cell #13	1	4oz		X							X	X	05/24/12	1035		X	X
110	Cell #14	↓	↓		↓							↓	↓	↓	1038		↓	↓
111	Cell #15	↓	↓		↓							↓	↓	↓	1043		↓	↓
112	Cell #16	↓	↓		↓							↓	↓	↓	1045		↓	↓
113	Cell #17	↓	↓		↓							↓	↓	↓	1049		↓	↓
114	Cell #19	↓	↓		↓							↓	↓	↓	1055		↓	↓
115	Cell #21	↓	↓		↓							↓	↓	↓	1100		↓	↓

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]	GMI	05/24/12	1500					
				Brenda Ward	Trace Lubbock	5/29/12	11:30	5.6 / 5.5

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

REMARKS: Please Send Copy of Results ASAP To Cmbenvironcubleome.net

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # Fed 793606409878

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

February 23, 2012
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Brad A. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Submittal of Annual Monitoring Report for Year 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 Annual Monitoring Report for the above-mentioned site.

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

Sincerely,

Clayton M. Barnhill, PG
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 or cmbenviro@cableone.net

Cc: Gandy Marley Inc.

COVER PAGE

ANNUAL YEAR END MONITORING REPORT

Please include the following information:

1. Site Name: **Gandy Marley Landfarm**

2. Responsible party: **Gandy Marley Inc.**

3. Responsible party mailing address (list contact person if different):

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

4. Commercial Landfarm Permit Number: **NM-01-0019**

5. Address/legal description:

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

6. Author/consulting company:

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

7. Date of report: **February 23, 2012**

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 Wyoming Professional Geologist 3072, exp. 12/31/12

Date: 02/23/2012

I. INTRODUCTION

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

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

A. Scope of Work

The approved scope of work for the annual report for yearend monitoring of the year 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), BTEX, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals, and then produce a map showing the sample locations, and compiling and reporting data or analyses that demonstrate the media located in the remediation cell has been remediated to an acceptable level by the NMOCD Commercial Landfarm Permit NM-01-0019.

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

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

B. Annual Highlights

Annual Year End Soil Sampling for Year 2011 was performed on January 31, 2012.
This Year End 2011 monitoring activities include the following:

- Collection of one Remediation Cell Soil samples from all active and previously active landfarm remediation cells for laboratory analysis of the parameters outlined in section (A) above.

- Gauging Leak Detection Monitors of Evaporation Pond # 1 with a Heron Interface Probe.

- Preparation of this report.

ACTIVITIES PERFORMED DURING THIS YEAR END SAMPLING EVENT

C. Monitoring Activities

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

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

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. has demonstrated in the year 2011 that they are highly effective at managing and remediating soils and operating a professional commercial landfarm facility.

Analyses from a soil sample of the remediated soils in all Landfarm Cells show the remediated soils in all cells to contain less than <0.02 mg/Kg BTEX, and acceptable TPH concentrations of ≤ 52.3 mg/Kg TPH, Chloride concentrations are below 250 mg/Kg in all cells with the exception of Cell #'s 1,2,3,4,5,7,9,13,14,15,16, & 17. Cells with elevated chloride concentrations are cells which previously accepted salt contaminated soils and drilling mud produced from oil and gas activities in northern Lea and Chaves counties, New Mexico. Drilling mud is a RCRA Exempt waste, but is normally high in chloride concentrations.

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

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

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

A 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.

LIST OF FIGURES

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

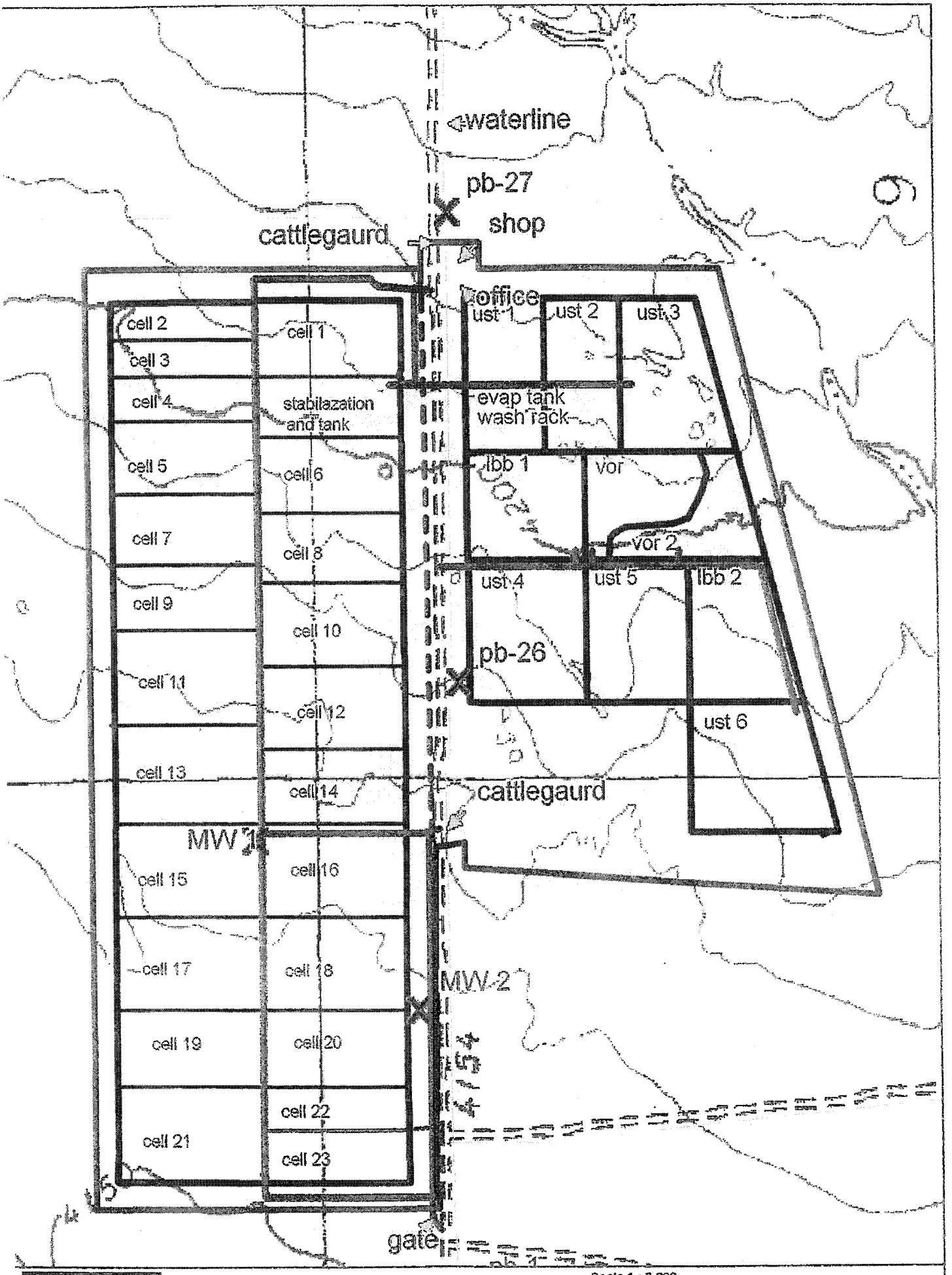
LIST OF TABLES

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

LIST OF APPENDICES

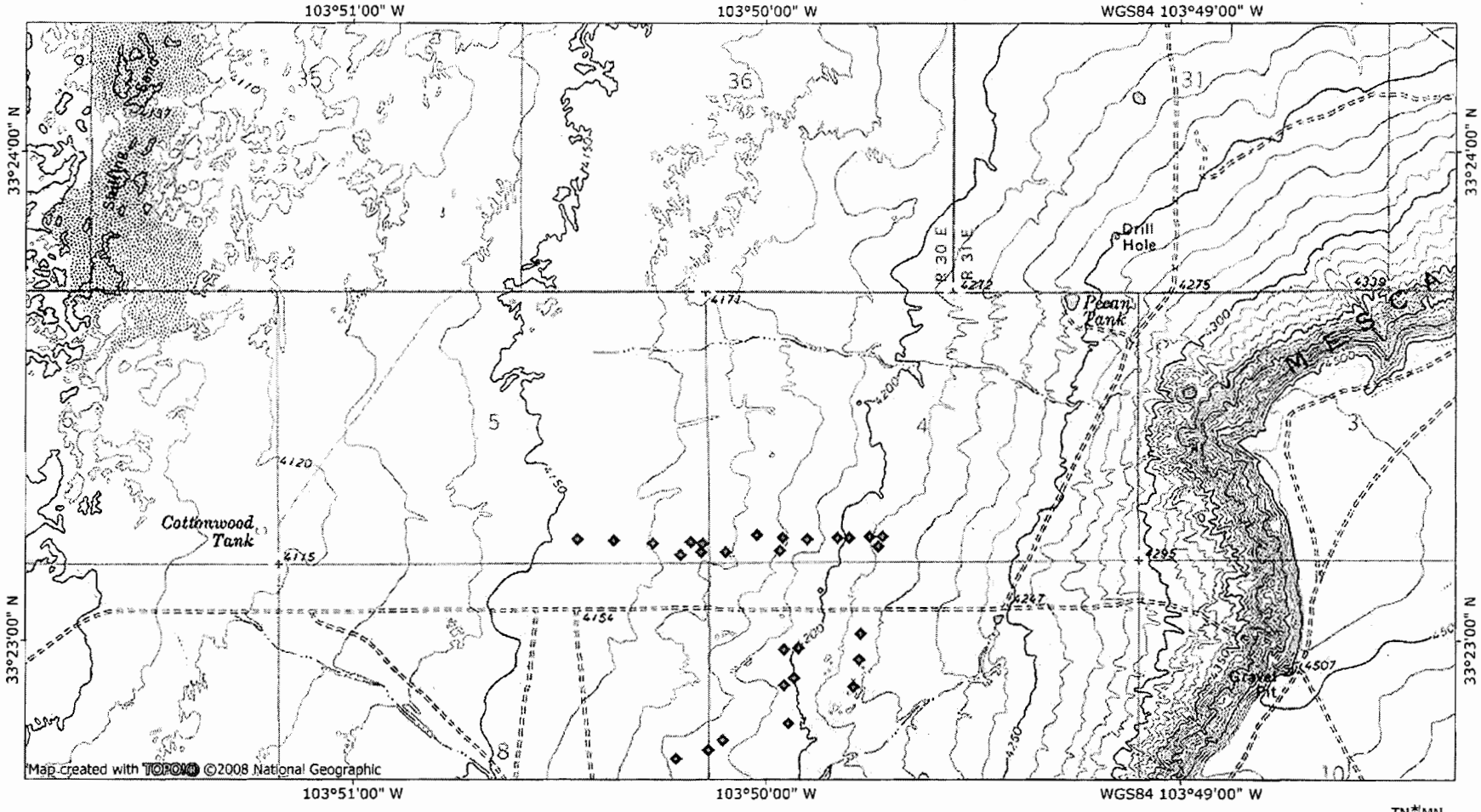
Appendix		**Included**	**N/A**
1	Sampling Protocol	X	
2	Field Notes /with GPS Coordinates of samples	X	
3	Laboratory Reports	X	

Figures:



Scale 1 : 7,200
1" = 600 ft

TOPO! map printed on 02/23/12 from TOPO Map of Fourth Quarter Sample Locations 01/31/2012



NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 miles

0.0 0.5 1.0 km

TN MN

7½°

09/11/12

Tables:

Summary Report

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

Report Date: February 22, 2012

Work Order: 12020326

Project Location: Sec. 4, 5, 8, & 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 4th Qtr. 2011/Year End Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
288284	Cell 1	soil	2012-01-31	14:35	2012-02-03
288285	Cell 2	soil	2012-01-31	14:40	2012-02-03
288286	Cell 3	soil	2012-01-31	14:45	2012-02-03
288287	Cell 4	soil	2012-01-31	14:50	2012-02-03
288288	Cell 5	soil	2012-01-31	14:58	2012-02-03
288289	Cell 7	soil	2012-01-31	15:04	2012-02-03
288290	Cell 9	soil	2012-01-31	15:09	2012-02-03
288291	Cell 10	soil	2012-01-31	15:13	2012-02-03
288292	Cell 11	soil	2012-01-31	15:20	2012-02-03
288293	Cell 12	soil	2012-01-31	15:27	2012-02-03
288294	Cell 13	soil	2012-01-31	15:32	2012-02-03
288295	Cell 14	soil	2012-01-31	15:37	2012-02-03
288296	Cell 15	soil	2012-01-31	15:43	2012-02-03
288297	Cell 16	soil	2012-01-31	15:48	2012-02-03
288298	Cell 17	soil	2012-01-31	15:54	2012-02-03
288299	Cell 19	soil	2012-01-31	16:00	2012-02-03
288300	Cell 21	soil	2012-01-31	16:05	2012-02-03

	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)
288284 - Cell 1	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288285 - Cell 2	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288286 - Cell 3	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288287 - Cell 4	<0.0200	<0.0200	<0.0200	<0.0200		**12.4**
288288 - Cell 5	<0.0200	<0.0200	<0.0200	<0.0200		**13.6**
288289 - Cell 7	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288290 - Cell 9	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288291 - 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)
288292 - Cell 11	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288293 - Cell 12	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288294 - Cell 13	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288295 - Cell 14	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288296 - Cell 15	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288297 - Cell 16	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288298 - Cell 17	<0.0200	<0.0200	<0.0200	<0.0200		<10.0
288299 - Cell 19	<0.0200	<0.0200	<0.0200	<0.0200		**52.3**
288300 - Cell 21	<0.0200	<0.0200	<0.0200	<0.0200		**24.0**

Sample: 288284 - Cell 1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**10.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**2050**	mg/Kg as CaCo3	4
Total Alkalinity		**2060**	mg/Kg as CaCo3	4
Chloride	Qs	**437**	mg/Kg	2
Specific Conductance		**1260**	uMHOS/cm	
pH		**8.35**	s.u.	2
Total Calcium		**130000**	mg/Kg	100
Total Magnesium		**2160**	mg/Kg	100
Total Potassium		**694**	mg/Kg	100
Total Sodium		**128**	mg/Kg	100
Sulfate		**187**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.221**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288285 - Cell 2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**50.0**	mg/Kg as CaCo3	4
Total Alkalinity		**50.0**	mg/Kg as CaCo3	4
Chloride		**449**	mg/Kg	2
Specific Conductance		**1410**	uMHOS/cm	
pH		**7.82**	s.u.	2

continued ...

sample 288285 continued ...

Param	Flag	Result	Units	RL
Total Calcium		**8570**	mg/Kg	100
Total Magnesium		**2700**	mg/Kg	100
Total Potassium		**2140**	mg/Kg	100
Total Sodium		**144**	mg/Kg	100
Sulfate		**296**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		<0.100	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288286 - Cell 3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**80.0**	mg/Kg as CaCo3	4
Total Alkalinity		**80.0**	mg/Kg as CaCo3	4
Chloride	Qs	**587**	mg/Kg	2
Specific Conductance		**2110**	uMHOS/cm	
pH		**7.81**	s.u.	2
Total Calcium		**6260**	mg/Kg	100
Total Magnesium		**2440**	mg/Kg	100
Total Potassium		**1430**	mg/Kg	100
Total Sodium		**537**	mg/Kg	100
Sulfate		**236**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		<0.100	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288287 - Cell 4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**20.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**740**	mg/Kg as CaCo3	4

continued ...

sample 288287 continued ...

Param	Flag	Result	Units	RL
Total Alkalinity		**760**	mg/Kg as CaCo3	4
Chloride		**259**	mg/Kg	2
Specific Conductance		**1430**	uMHOS/cm	
pH		**8.56**	s.u.	2
Total Calcium		**202000**	mg/Kg	100
Total Magnesium		**2540**	mg/Kg	100
Total Potassium		**300**	mg/Kg	100
Total Sodium		**496**	mg/Kg	100
Sulfate		**618**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		<0.100	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288288 - Cell 5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**110**	mg/Kg as CaCo3	4
Total Alkalinity		**110**	mg/Kg as CaCo3	4
Chloride	Qs	**2100**	mg/Kg	2
Specific Conductance		**3390**	uMHOS/cm	
pH		**7.71**	s.u.	2
Total Calcium		**96400**	mg/Kg	100
Total Magnesium		**2960**	mg/Kg	100
Total Potassium		**1110**	mg/Kg	100
Total Sodium		**920**	mg/Kg	100
Sulfate		**392**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.125**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288289 - Cell 7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**60.0**	mg/Kg as CaCo3	4
Total Alkalinity		**60.0**	mg/Kg as CaCo3	4
Chloride		**320**	mg/Kg	2
Specific Conductance		**1120**	uMHOS/cm	
pH		**7.76**	s.u.	2
Total Calcium		**38600**	mg/Kg	100
Total Magnesium		**3710**	mg/Kg	100
Total Potassium		**2340**	mg/Kg	100
Total Sodium		**260**	mg/Kg	100
Sulfate		**144**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.316**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288290 - Cell 9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**100**	mg/Kg as CaCo3	4
Total Alkalinity		**100**	mg/Kg as CaCo3	4
Chloride		**31.3**	mg/Kg	2
Specific Conductance		**435**	uMHOS/cm	
pH		**8.16**	s.u.	2
Total Calcium		**39400**	mg/Kg	100
Total Magnesium		**1830**	mg/Kg	100
Total Potassium		**760**	mg/Kg	100
Total Sodium		<100	mg/Kg	100
Sulfate		**172**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.316**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288291 - Cell 10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**10.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**110**	mg/Kg as CaCo3	4
Total Alkalinity		**120**	mg/Kg as CaCo3	4
Chloride		**132**	mg/Kg	2
Specific Conductance		**590**	uMHOS/cm	
pH		**8.34**	s.u.	2
Total Calcium		**63200**	mg/Kg	100
Total Magnesium		**3670**	mg/Kg	100
Total Potassium		**977**	mg/Kg	100
Total Sodium		**302**	mg/Kg	100
Sulfate		**80.7**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.845**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288292 - Cell 11

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**120**	mg/Kg as CaCo3	4
Total Alkalinity		**120**	mg/Kg as CaCo3	4
Chloride		**120**	mg/Kg	2
Specific Conductance		**722**	uMHOS/cm	
pH		**8.09**	s.u.	2
Total Calcium		**165000**	mg/Kg	100
Total Magnesium		**2270**	mg/Kg	100
Total Potassium		**569**	mg/Kg	100
Total Sodium		**245**	mg/Kg	100
Sulfate		**432**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**1.35**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288293 - Cell 12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**20.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**260**	mg/Kg as CaCo3	4
Total Alkalinity		**280**	mg/Kg as CaCo3	4
Chloride		**144**	mg/Kg	2
Specific Conductance		**779**	uMHOS/cm	
pH		**8.93**	s.u.	2
Total Calcium		**2420**	mg/Kg	100
Total Magnesium		**1160**	mg/Kg	100
Total Potassium		**1310**	mg/Kg	100
Total Sodium		**466**	mg/Kg	100
Sulfate		**149**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.561**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288294 - Cell 13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**10.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**70.0**	mg/Kg as CaCo3	4
Total Alkalinity		**80.0**	mg/Kg as CaCo3	4
Chloride	Qs	**575**	mg/Kg	2
Specific Conductance		**1920**	uMHOS/cm	
pH		**8.33**	s.u.	2
Total Calcium		**4220**	mg/Kg	0.5
Total Magnesium		**2030**	mg/Kg	0.5
Total Potassium		**1920**	mg/Kg	50
Total Sodium		**1290**	mg/Kg	50
Sulfate		**249**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.736**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288295 - Cell 14

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		**20.0**	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**500**	mg/Kg as CaCo3	4
Total Alkalinity		**520**	mg/Kg as CaCo3	4
Chloride		**323**	mg/Kg	2
Specific Conductance		**1380**	uMHOS/cm	
pH		**8.96**	s.u.	2
Total Calcium		**118000**	mg/Kg	0.5
Total Magnesium		**2020**	mg/Kg	0.5
Total Potassium		**530**	mg/Kg	50
Total Sodium		**7320**	mg/Kg	50
Sulfate		**106**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**1.29**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288296 - Cell 15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**90.0**	mg/Kg as CaCo3	4
Total Alkalinity		**90.0**	mg/Kg as CaCo3	4
Chloride	Qs	**878**	mg/Kg	2
Specific Conductance		**2150**	uMHOS/cm	
pH		**7.27**	s.u.	2
Total Calcium		**3460**	mg/Kg	0.5
Total Magnesium		**1400**	mg/Kg	0.5
Total Potassium		**1190**	mg/Kg	50
Total Sodium		**190**	mg/Kg	50
Sulfate		**103**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**1.04**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288297 - Cell 16

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**50.0**	mg/Kg as CaCo3	4
Total Alkalinity		**50.0**	mg/Kg as CaCo3	4
Chloride	Qs	**712**	mg/Kg	2
Specific Conductance		**1330**	uMHOS/cm	
pH		**7.82**	s.u.	2
Total Calcium		**10400**	mg/Kg	0.5
Total Magnesium		**1150**	mg/Kg	0.5
Total Potassium		**760**	mg/Kg	50
Total Sodium		**270**	mg/Kg	50
Sulfate		**245**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.580**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288298 - Cell 17

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**100**	mg/Kg as CaCo3	4
Total Alkalinity		**100**	mg/Kg as CaCo3	4
Chloride	Qs	**880**	mg/Kg	2
Specific Conductance		**2490**	uMHOS/cm	
pH		**7.89**	s.u.	2
Total Calcium		**136000**	mg/Kg	0.5
Total Magnesium		**3890**	mg/Kg	0.5
Total Potassium		**1040**	mg/Kg	50
Total Sodium		**596**	mg/Kg	50
Sulfate		**217**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**1.10**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288299 - Cell 19

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**40.0**	mg/Kg as CaCo3	4
Total Alkalinity		**40.0**	mg/Kg as CaCo3	4
Chloride	Qs	**2420**	mg/Kg	2
Specific Conductance		**3630**	uMHOS/cm	
pH		**7.56**	s.u.	2
Total Calcium		**5540**	mg/Kg	0.5
Total Magnesium		**1990**	mg/Kg	0.5
Total Potassium		**1470**	mg/Kg	50
Total Sodium		**1030**	mg/Kg	50
Sulfate		**219**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**0.525**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

Sample: 288300 - Cell 21

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		**150**	mg/Kg as CaCo3	4
Total Alkalinity		**150**	mg/Kg as CaCo3	4
Chloride		**95.3**	mg/Kg	2
Specific Conductance		**204**	uMHOS/cm	
pH		**8.34**	s.u.	2
Total Calcium		**69700**	mg/Kg	0.5
Total Magnesium		**2080**	mg/Kg	0.5
Total Potassium		**654**	mg/Kg	50
Total Sodium		**50.3**	mg/Kg	50
Sulfate		**32.2**	mg/Kg	2
TCLP Silver		<0.0500	mg/L	0.05
TCLP Arsenic		<0.100	mg/L	0.1
TCLP Barium		**1.54**	mg/L	0.1
TCLP Cadmium		<0.0500	mg/L	0.05
TCLP Chromium		<0.100	mg/L	0.1
TCLP Mercury		<0.00500	mg/L	0.005
TCLP Lead		<0.0500	mg/L	0.05
TCLP Selenium		<0.200	mg/L	0.2

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, Hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Chloride, Specific Conductance, pH, Total Calcium, Total Magnesium, Total Potassium, Total Sodium, Sulfate, and TCLP 8 Metals. Soil Samples were collected in two 4 ounce glass jars containing no preservative.

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

Appendix 1
Sampling Protocol

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

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

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

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

Appendix 2
Field Notes

Location GMI Landform Date 01/31/2012

Project / Client Year End Soil Sampling 2011

GMI Landform By: CMB Environmental & Geological Services Inc. Page 1 of

Cell #	Time	GPS Coordinates	Remarks
Cell #1	14:35	33.38656 103.82880	Tan brown Clayey Sand No odor or stain @ 3' BGS
Cell 2	14:40	33.38689 103.82867	Red clayey Sand. No odor or stain @ 3' BGS
Cell 3	14:45	33.38658 103.82919	Red Clayey Sand No odor or stain @ 3' BGS
Cell 4	14:50	33.38685 103.82995	Tan brown white clayey Sand 10% Caliche No odor or stain @ 3' BGS
Cell 5	14:58	33.38686 103.83047	Tan brown clayey Sand w/caliche No odor or stain @ 3' BGS
Cell 7	15:04	33.38681 103.83167	Brown clayey Sand Damp. Slight odor @ 3' BGS.
Cell 9	15:09	33.38683 103.83265	Tan brown clayey Sand No odor or stain @ 3' BGS
Cell 10	15:13	33.38642 103.83274	Same as above No odor or stain @ 3' BGS

Location GMI Landform Date 01/31/12

Project / Client Year End Soil Sampling 2011

GMI Landform By: CMB Environmental & Geological Services Inc. Page 2 of

Cell #	Time	GPS Coord.	Remarks
Cell 11	15:20	33.38696 103.83371	Tan brown Clayey Sand w/caliche No odor or stain.
Cell 12	15:27	33.38638 103.83496	Red clayey Sand No Odor or stain @ 3' BGS
Cell 13	15:32	33.38663 103.83589	Same as above
Cell 14	15:37	33.38633 103.83598	Gray Green Clayey Sand Decaying hydro carbons No odor.
Cell 15	15:43	33.38671 103.83640	Red Clayey Sand No odor or stain @ 3' BGS
Cell 16	15:48	33.38625 103.83678	Same as above
Cell 17	15:54	33.38664 103.83791	Tan brown clayey Sand w/10% white caliche.
Cell 19	16:00	33.38672 103.83949	MOIST Red Clayey Sand No odor or stain
Cell 21	16:05	33.38680 103.84093	Tan brown clayey Sand.

TOPO! GPS Data Format DegMinSec NAD83 ElevFeet Local-Time

WP0001,33,23,12,-103,49,44,4206,01/31/2012,07:35:45,

WP0002,33,23,13,-103,49,43,4222,01/31/2012,07:41:08,

WP0003,33,23,13,-103,49,45,4232,01/31/2012,07:47:47,

WP0004,33,23,13,-103,49,48,4186,01/31/2012,07:53:09,

WP0005,33,23,13,-103,49,50,4203,01/31/2012,07:58:42,

WP0006,33,23,13,-103,49,54,4193,01/31/2012,08:04:35,

WP0007,33,23,13,-103,49,58,4170,01/31/2012,08:10:30,

WP0008,33,23,11,-103,49,58,4186,01/31/2012,08:14:33,

WP0009,33,23,13,-103,50,1,4177,01/31/2012,08:21:59,

WP0010,33,23,11,-103,50,6,4167,01/31/2012,08:28:19,

WP0011,33,23,12,-103,50,9,4167,01/31/2012,08:33:30,

WP0012,33,23,11,-103,50,10,4167,01/31/2012,08:37:57,

WP0013,33,23,12,-103,50,11,4163,01/31/2012,08:44:03,

WP0014,33,23,10,-103,50,12,4167,01/31/2012,08:49:22,

WP0015,33,23,12,-103,50,16,4150,01/31/2012,08:55:07,

WP0016,33,23,12,-103,50,22,4147,01/31/2012,09:00:34,

WP0017,33,23,12,-103,50,27,4180,01/31/2012,09:10:44,

WP0018,33,23,1,-103,49,46,4242,01/31/2012,09:21:53,

WP0019,33,22,58,-103,49,46,4213,01/31/2012,09:25:50,

WP0020,33,22,54,-103,49,47,4229,01/31/2012,09:29:50,

WP0021,33,22,59,-103,49,57,4203,01/31/2012,09:35:53,

WP0022,33,22,59,-103,49,55,4180,01/31/2012,09:40:13,

WP0023,33,22,55,-103,49,56,4213,01/31/2012,09:44:49,

WP0024,33,22,55,-103,49,57,4180,01/31/2012,09:49:23,

WP0025,33,22,50,-103,49,57,4190,01/31/2012,09:55:01,

WP0026,33,22,48,-103,50,6,4183,01/31/2012,10:03:19,

WP0027,33,22,46,-103,50,9,4177,01/31/2012,10:06:57,

WP0028,33,22,45,-103,50,13,4173,01/31/2012,10:10:46,

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 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.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: February 22, 2012

Work Order: 12020326

Project Location: Sec. 4, 5, 8, & 9, T11S-R31E, Chaves Co., NM
Project Name: GMI Landfarm
Project Number: 4th Qtr. 2011/Year End 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
288284	Cell 1	soil	2012-01-31	14:35	2012-02-03
288285	Cell 2	soil	2012-01-31	14:40	2012-02-03
288286	Cell 3	soil	2012-01-31	14:45	2012-02-03
288287	Cell 4	soil	2012-01-31	14:50	2012-02-03
288288	Cell 5	soil	2012-01-31	14:58	2012-02-03
288289	Cell 7	soil	2012-01-31	15:04	2012-02-03
288290	Cell 9	soil	2012-01-31	15:09	2012-02-03
288291	Cell 10	soil	2012-01-31	15:13	2012-02-03
288292	Cell 11	soil	2012-01-31	15:20	2012-02-03
288293	Cell 12	soil	2012-01-31	15:27	2012-02-03
288294	Cell 13	soil	2012-01-31	15:32	2012-02-03
288295	Cell 14	soil	2012-01-31	15:37	2012-02-03
288296	Cell 15	soil	2012-01-31	15:43	2012-02-03
288297	Cell 16	soil	2012-01-31	15:48	2012-02-03
288298	Cell 17	soil	2012-01-31	15:54	2012-02-03
288299	Cell 19	soil	2012-01-31	16:00	2012-02-03
288300	Cell 21	soil	2012-01-31	16:05	2012-02-03

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

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

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

Report Contents

Case Narrative

Samples for project GMI Landfarm were received by TraceAnalysis, Inc. on 2012-02-03 and assigned to work order 12020326. Samples for work order 12020326 were received intact at a temperature of 4.4 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Alkalinity	SM 2320B	75005	2012-02-06 at 14:30	88349	2012-02-06 at 16:09
Alkalinity	SM 2320B	75006	2012-02-06 at 14:30	88350	2012-02-06 at 16:11
BTEX	S 8021B	74977	2012-02-03 at 15:39	88302	2012-02-03 at 15:39
Ca, Total	S 6010C	75036	2012-02-08 at 09:45	88394	2012-02-08 at 11:10
Ca, Total	S 6010C	75037	2012-02-08 at 09:52	88395	2012-02-08 at 11:13
Chloride (IC)	E 300.0	75178	2012-02-11 at 12:49	88553	2012-02-13 at 12:52
Chloride (IC)	E 300.0	75178	2012-02-11 at 12:49	88554	2012-02-13 at 12:55
Chloride (IC)	E 300.0	75208	2012-02-14 at 11:54	88601	2012-02-15 at 11:58
Conductivity	SM 2510B	75134	2012-02-13 at 12:29	88504	2012-02-13 at 12:30
Conductivity	SM 2510B	75361	2012-02-21 at 17:29	88776	2012-02-21 at 17:30
K, Total	S 6010C	75036	2012-02-08 at 09:45	88394	2012-02-08 at 11:10
K, Total	S 6010C	75037	2012-02-08 at 09:52	88395	2012-02-08 at 11:13
Mg, Total	S 6010C	75036	2012-02-08 at 09:45	88394	2012-02-08 at 11:10
Mg, Total	S 6010C	75037	2012-02-08 at 09:52	88395	2012-02-08 at 11:13
Na, Total	S 6010C	75036	2012-02-08 at 09:45	88394	2012-02-08 at 11:10
Na, Total	S 6010C	75037	2012-02-08 at 09:52	88395	2012-02-08 at 11:13
pH	SM 4500-H+	75007	2012-02-06 at 10:00	88351	2012-02-06 at 16:12
pH	SM 4500-H+	75008	2012-02-06 at 14:00	88352	2012-02-06 at 16:14
SO4 (IC)	E 300.0	75178	2012-02-11 at 12:49	88553	2012-02-13 at 12:52
SO4 (IC)	E 300.0	75178	2012-02-11 at 12:49	88554	2012-02-13 at 12:55
SO4 (IC)	E 300.0	75208	2012-02-14 at 11:54	88601	2012-02-15 at 11:58
TCLP Ag	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Ag	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Ag	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP As	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP As	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP As	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP Ba	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Ba	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Ba	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP Cd	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Cd	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Cd	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP Cr	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Cr	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Cr	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP Hg	S 7470A	75149	2012-02-13 at 15:01	88528	2012-02-13 at 16:36
TCLP Hg	S 7470A	75149	2012-02-13 at 15:01	88529	2012-02-13 at 16:54

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
TCLP Pb	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Pb	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Pb	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TCLP Se	S 6010C	75069	2012-02-09 at 09:46	88427	2012-02-09 at 11:13
TCLP Se	S 6010C	75069	2012-02-09 at 09:46	88429	2012-02-09 at 11:17
TCLP Se	S 6010C	75196	2012-02-15 at 09:26	88591	2012-02-15 at 11:00
TPH 418.1	E 418.1	75096	2012-02-09 at 17:00	88454	2012-02-09 at 17:38

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 12020326 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: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**10.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**2050**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**2060**	mg/Kg as CaCo3	1	4.00

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.84	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.75	mg/Kg	1	2.00	88	70 - 130

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	Qs	1	**437**	mg/Kg	5	2.00

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1260**	uMHOS/cm	1	0.00

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.35**	s.u.	1	2.00

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**130000**	mg/Kg	100	100
Total Magnesium		1	**2160**	mg/Kg	1	100
Total Potassium		1	**694**	mg/Kg	1	100
Total Sodium		1	**128**	mg/Kg	1	100

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Sulfate		1	**187**	mg/Kg	1	2.00

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.221**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288284 - Cell 1

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.90	mg/Kg	1	2.00	95	70 - 130

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**449**	mg/Kg	1	2.00

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1410**	uMHOS/cm	1	0.00

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**8570**	mg/Kg	1	100
Total Magnesium		1	**2700**	mg/Kg	1	100
Total Potassium		1	**2140**	mg/Kg	1	100
Total Sodium		1	**144**	mg/Kg	1	100

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**296**	mg/Kg	1	2.00

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	<0.100	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288285 - Cell 2

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**80.0**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**80.0**	mg/Kg as CaCo3	1	4.00

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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)			1.85	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.92	mg/Kg	1	2.00	96	70 - 130

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	Qs	1	**587**	mg/Kg	5	2.00

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Specific Conductance		1	**2110**	uMHOS/cm	1	0.00

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
pH			**7.81**	s.u.	1	2.00

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Total Calcium		1	**6260**	mg/Kg	1	100
Total Magnesium		1	**2440**	mg/Kg	1	100
Total Potassium		1	**1430**	mg/Kg	1	100
Total Sodium		1	**537**	mg/Kg	1	100

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**236**	mg/Kg	1	2.00

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	<0.100	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288286 - Cell 3

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**20.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**740**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**760**	mg/Kg as CaCo3	1	4.00

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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)			1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.82	mg/Kg	1	2.00	91	70 - 130

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1	**259**	mg/Kg	1	2.00

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1430**	uMHOS/cm	1	0.00

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.56**	s.u.	1	2.00

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**202000**	mg/Kg	100	100
Total Magnesium		1	**2540**	mg/Kg	1	100
Total Potassium		1	**300**	mg/Kg	1	100
Total Sodium		1	**496**	mg/Kg	1	100

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**618**	mg/Kg	5	2.00

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	<0.100	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288287 - Cell 4

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**12.4**	mg/Kg	1	10.0

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	U			<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U			<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity				**110**	mg/Kg as CaCo3	1	4.00
Total Alkalinity				**110**	mg/Kg as CaCo3	1	4.00

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	Prepared By:	ZLM

Parameter	Flag	Cert	Result	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)			1.84	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.94	mg/Kg	1	2.00	97	70 - 130

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Chloride	Qs	1		**2100**	mg/Kg	5	2.00

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**3390**	uMHOS/cm	1	0.00

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**7.71**	s.u.	1	2.00

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**96400**	mg/Kg	10	100
Total Magnesium		1	**2960**	mg/Kg	1	100
Total Potassium		1	**1110**	mg/Kg	1	100
Total Sodium		1	**920**	mg/Kg	1	100

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**392**	mg/Kg	1	2.00

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.125**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288288 - Cell 5

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**13.6**	mg/Kg	1	10.0

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**60.0**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**60.0**	mg/Kg as CaCo3	1	4.00

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.86	mg/Kg	1	2.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**320**	mg/Kg	1	2.00

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Specific Conductance		1	**1120**	uMHOS/cm	1	0.00

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
pH			**7.76**	s.u.	1	2.00

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Total Calcium		1	**38600**	mg/Kg	10	100
Total Magnesium		1	**3710**	mg/Kg	1	100
Total Potassium		1	**2340**	mg/Kg	1	100
Total Sodium		1	**260**	mg/Kg	1	100

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**144**	mg/Kg	1	2.00

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.316**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288289 - Cell 7

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	Prepared By:	ZLM

Parameter	Flag	Cert	Result	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)			1.86	mg/Kg	1	2.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)			1.80	mg/Kg	1	2.00	90	70 - 130

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Chloride		1		**31.3**	mg/Kg	1	2.00

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Specific Conductance		1	**435**	uMHOS/cm	1	0.00

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	Result	Units	Dilution	RL
Total Calcium		1	**39400**	mg/Kg	10	100
Total Magnesium		1	**1830**	mg/Kg	1	100
Total Potassium		1	**760**	mg/Kg	1	100
Total Sodium		1	<100	mg/Kg	1	100

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**172**	mg/Kg	1	2.00

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.316**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288290 - Cell 9

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**10.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**110**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**120**	mg/Kg as CaCo3	1	4.00

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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 - 130
4-Bromofluorobenzene (4-BFB)			1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**132**	mg/Kg	1	2.00

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**590**	uMHOS/cm	1	0.00

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**63200**	mg/Kg	10	100
Total Magnesium		1	**3670**	mg/Kg	1	100
Total Potassium		1	**977**	mg/Kg	1	100
Total Sodium		1	**302**	mg/Kg	1	100

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88553	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**80.7**	mg/Kg	1	2.00

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88427	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88528	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.845**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288291 - Cell 10

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288292 - Cell 11

Laboratory: Lubbock
Analysis: Alkalinity | Analytical Method: SM 2320B | Prep Method: N/A
QC Batch: 88349 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75005 | Sample Preparation: 2012-02-06 | Prepared By: AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**120**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**120**	mg/Kg as CaCo3	1	4.00

Sample: 288292 - Cell 11

Laboratory: Lubbock
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 88302 | Date Analyzed: 2012-02-03 | Analyzed By: ZLM
Prep Batch: 74977 | Sample Preparation: 2012-02-03 | 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	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)			1.73	mg/Kg	1	2.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.65	mg/Kg	1	2.00	82	70 - 130

Sample: 288292 - Cell 11

Laboratory: Lubbock
Analysis: Chloride (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 88554 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | Sample Preparation: 2012-02-11 | Prepared By: RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**120**	mg/Kg	1	2.00

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88504	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75134	Sample Preparation:	2012-02-13	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**722**	uMHOS/cm	1	0.00

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.09**	s.u.	1	2.00

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**165000**	mg/Kg	100	100
Total Magnesium		1	**2270**	mg/Kg	1	100
Total Potassium		1	**569**	mg/Kg	1	100
Total Sodium		1	**245**	mg/Kg	1	100

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**432**	mg/Kg	1	2.00

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**1.35**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288292 - Cell 11

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88349	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75005	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**20.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**260**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**280**	mg/Kg as CaCo3	1	4.00

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			1.88	mg/Kg	1	2.00	94	70 - 130

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**144**	mg/Kg	1	2.00

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**779**	uMHOS/cm	1	0.00

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88351	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75007	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.93**	s.u.	1	2.00

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88394	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75036	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**2420**	mg/Kg	1	100
Total Magnesium		1	**1160**	mg/Kg	1	100
Total Potassium		1	**1310**	mg/Kg	1	100
Total Sodium		1	**466**	mg/Kg	1	100

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**149**	mg/Kg	1	2.00

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.561**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288293 - Cell 12

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**10.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**70.0**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**80.0**	mg/Kg as CaCo3	1	4.00

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	Qs	1	**575**	mg/Kg	5	2.00

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1920**	uMHOS/cm	1	0.00

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.33**	s.u.	1	2.00

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**4220**	mg/Kg	1	0.500
Total Magnesium		1	**2030**	mg/Kg	1	0.500
Total Potassium		1	**1920**	mg/Kg	1	50.0
Total Sodium		1	**1290**	mg/Kg	1	50.0

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**249**	mg/Kg	1	2.00

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.736**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288294 - Cell 13

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity			**20.0**	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**500**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**520**	mg/Kg as CaCo3	1	4.00

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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)			1.84	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.79	mg/Kg	1	2.00	90	70 - 130

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1	**323**	mg/Kg	1	2.00

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1380**	uMHOS/cm	1	0.00

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**8.96**	s.u.	1	2.00

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**118000**	mg/Kg	100	0.500
Total Magnesium		1	**2020**	mg/Kg	1	0.500
Total Potassium		1	**530**	mg/Kg	1	50.0
Total Sodium		1	**7320**	mg/Kg	1	50.0

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**106**	mg/Kg	1	2.00

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**1.29**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288295 - Cell 14

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**90.0**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**90.0**	mg/Kg as CaCo3	1	4.00

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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 - 130
4-Bromofluorobenzene (4-BFB)			1.86	mg/Kg	1	2.00	93	70 - 130

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride	Qs	1	**878**	mg/Kg	5	2.00

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**2150**	uMHOS/cm	1	0.00

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**7.27**	s.u.	1	2.00

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**3460**	mg/Kg	1	0.500
Total Magnesium		1	**1400**	mg/Kg	1	0.500
Total Potassium		1	**1190**	mg/Kg	1	50.0
Total Sodium		1	**190**	mg/Kg	1	50.0

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**103**	mg/Kg	1	2.00

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**1.04**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288296 - Cell 15

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	Prepared By:	ZLM

Parameter	Flag	Cert	Result	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)			1.86	mg/Kg	1	2.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Result	Units	Dilution	RL
Chloride	Q9	1	**712**		mg/Kg	5	2.00

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**1330**	uMHOS/cm	1	0.00

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**10400**	mg/Kg	1	0.500
Total Magnesium		1	**1150**	mg/Kg	1	0.500
Total Potassium		1	**760**	mg/Kg	1	50.0
Total Sodium		1	**270**	mg/Kg	1	50.0

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**245**	mg/Kg	1	2.00

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.580**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288297 - Cell 16

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			1.97	mg/Kg	1	2.00	98	70 - 130

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	Qs	1	**880**	mg/Kg	5	2.00

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**2490**	uMHOS/cm	1	0.00

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**136000**	mg/Kg	100	0.500
Total Magnesium		1	**3890**	mg/Kg	1	0.500
Total Potassium		1	**1040**	mg/Kg	1	50.0
Total Sodium		1	**596**	mg/Kg	1	.50.0

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**217**	mg/Kg	1	2.00

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**1.10**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288298 - Cell 17

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

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

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Hydroxide Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity	U		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity			**40.0**	mg/Kg as CaCo3	1	4.00
Total Alkalinity			**40.0**	mg/Kg as CaCo3	1	4.00

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.90	mg/Kg	1	2.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88601	Date Analyzed:	2012-02-15	Analyzed By:	RL
Prep Batch:	75208	Sample Preparation:	2012-02-14	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride	Qs	1	**2420**	mg/Kg	5	2.00

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Specific Conductance		1	**3630**	uMHOS/cm	1	0.00

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
pH			**7.56**	s.u.	1	2.00

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Calcium		1	**5540**	mg/Kg	1	0.500
Total Magnesium		1	**1990**	mg/Kg	1	0.500
Total Potassium		1	**1470**	mg/Kg	1	50.0
Total Sodium		1	**1030**	mg/Kg	1	50.0

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**219**	mg/Kg	1	2.00

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88429	Date Analyzed:	2012-02-09	Analyzed By:	RR
Prep Batch:	75069	TCLP Extraction:	2012-02-09	Prepared By:	KV
		Sample Preparation:	2012-02-09	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**0.525**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288299 - Cell 19

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**52.3**	mg/Kg	1	10.0

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	88350	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75006	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	88302	Date Analyzed:	2012-02-03	Analyzed By:	ZLM
Prep Batch:	74977	Sample Preparation:	2012-02-03	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	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)			1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.89	mg/Kg	1	2.00	94	70 - 130

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride		1	**95.3**	mg/Kg	1	2.00

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	88776	Date Analyzed:	2012-02-21	Analyzed By:	RL
Prep Batch:	75361	Sample Preparation:	2012-02-21	Prepared By:	RL

Parameter	Flag	Cert	Result	Units	Dilution	RL
Specific Conductance		1	**204**	uMHOS/cm	1	0.00

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	88352	Date Analyzed:	2012-02-06	Analyzed By:	AM
Prep Batch:	75008	Sample Preparation:	2012-02-06	Prepared By:	AM

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

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	Salts, Total	Analytical Method:	S 6010C	Prep Method:	S 3050B
QC Batch:	88395	Date Analyzed:	2012-02-08	Analyzed By:	RR
Prep Batch:	75037	Sample Preparation:	2012-02-08	Prepared By:	KV

Parameter	Flag	Cert	Result	Units	Dilution	RL
Total Calcium		1	**69700**	mg/Kg	10	0.500
Total Magnesium		1	**2080**	mg/Kg	1	0.500
Total Potassium		1	**654**	mg/Kg	1	50.0
Total Sodium		1	**50.3**	mg/Kg	1	50.0

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	88554	Date Analyzed:	2012-02-13	Analyzed By:	RL
Prep Batch:	75178	Sample Preparation:	2012-02-11	Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1	**32.2**	mg/Kg	1	2.00

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	88529	Date Analyzed:	2012-02-13	Analyzed By:	TP
Prep Batch:	75149	TCLP Extraction:	2012-02-13	Prepared By:	TP
		Sample Preparation:	2012-02-13	Prepared By:	TP
Laboratory:	Lubbock				
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010C	Prep Method:	TCLP 1311
QC Batch:	88591	Date Analyzed:	2012-02-15	Analyzed By:	RR
Prep Batch:	75196	TCLP Extraction:	2012-02-15	Prepared By:	KV
		Sample Preparation:	2012-02-15	Prepared By:	KV

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TCLP Silver	U	1	<0.0500	mg/L	1	0.0500
TCLP Arsenic	U	1	<0.100	mg/L	1	0.100
TCLP Barium		1	**1.54**	mg/L	1	0.100
TCLP Cadmium	U	1	<0.0500	mg/L	1	0.0500
TCLP Chromium	U	1	<0.100	mg/L	1	0.100
TCLP Mercury	U	1	<0.00500	mg/L	1	0.00500
TCLP Lead	U	1	<0.0500	mg/L	1	0.0500
TCLP Selenium	U		<0.200	mg/L	1	0.200

Sample: 288300 - Cell 21

Laboratory:	Lubbock				
Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	88454	Date Analyzed:	2012-02-09	Analyzed By:	DS
Prep Batch:	75096	Sample Preparation:	2012-02-09	Prepared By:	DS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
TRPHC			**24.0**	mg/Kg	1	10.0

Method Blanks

Method Blank (1) QC Batch: 88302

QC Batch: 88302 | Date Analyzed: 2012-02-03 | Analyzed By: ZLM
Prep Batch: 74977 | QC Preparation: 2012-02-03 | 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)			1.75	mg/Kg	1	2.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)			1.85	mg/Kg	1	2.00	92	70 - 130

Method Blank (1) QC Batch: 88349

QC Batch: 88349 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75005 | QC Preparation: 2012-02-06 | Prepared By: AM

Parameter	Flag	Cert	MDL Result	Units	RL
Hydroxide Alkalinity			<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity			<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity			10.0	mg/Kg as CaCo3	4
Total Alkalinity			10.0	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 88350

QC Batch: 88350 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75006 | QC Preparation: 2012-02-06 | Prepared By: AM

Parameter	Flag	Cert	MDL Result	Units	RL
Hydroxide Alkalinity			<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity			<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity			10.0	mg/Kg as CaCo3	4
Total Alkalinity			10.0	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 88394

QC Batch: 88394 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75036 | QC Preparation: 2012-02-08 | Prepared By: KV

Parameter	Flag	Cert	MDL Result	Units	RL
Total Calcium		1	<5.03	mg/Kg	100
Total Magnesium		1	<6.53	mg/Kg	100
Total Potassium		1	<16.1	mg/Kg	100
Total Sodium		1	<8.62	mg/Kg	100

Method Blank (1) QC Batch: 88395

QC Batch: 88395 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75037 | QC Preparation: 2012-02-08 | Prepared By: KV

Parameter	Flag	Cert	MDL Result	Units	RL
Total Calcium		1	<0.0866	mg/Kg	0.5
Total Magnesium		1	<0.478	mg/Kg	0.5
Total Potassium		1	<0.354	mg/Kg	50
Total Sodium		1	<3.88	mg/Kg	50

Method Blank (1) QC Batch: 88427

QC Batch: 88427 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Parameter	Flag	Cert	MDL Result	Units	RL
TCLP Silver		1	<0.00437	mg/L	0.05
TCLP Arsenic		1	<0.0184	mg/L	0.1
TCLP Barium		1	<0.0103	mg/L	0.1
TCLP Cadmium		1	<0.0150	mg/L	0.05
TCLP Chromium		1	<0.0251	mg/L	0.1
TCLP Lead		1	<0.0104	mg/L	0.05
TCLP Selenium			<0.0470	mg/L	0.2

Method Blank (1) QC Batch: 88429

QC Batch: 88429 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Parameter	Flag	Cert	MDL Result	Units	RL
TCLP Silver		1	<0.00437	mg/L	0.05
TCLP Arsenic		1	<0.0184	mg/L	0.1
TCLP Barium		1	<0.0103	mg/L	0.1
TCLP Cadmium		1	<0.0150	mg/L	0.05
TCLP Chromium		1	<0.0251	mg/L	0.1
TCLP Lead		1	<0.0104	mg/L	0.05
TCLP Selenium			<0.0470	mg/L	0.2

Method Blank (1) QC Batch: 88454

QC Batch: 88454 | Date Analyzed: 2012-02-09 | Analyzed By: DS
Prep Batch: 75096 | QC Preparation: 2012-02-09 | Prepared By: DS

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

Method Blank (1) QC Batch: 88504

QC Batch: 88504 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75134 | QC Preparation: 2012-02-13 | Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Specific Conductance		1	2.67	uMHOS/cm	

Method Blank (1) QC Batch: 88528

QC Batch: 88528 Date Analyzed: 2012-02-13 Analyzed By: TP
Prep Batch: 75149 QC Preparation: 2012-02-13 Prepared By: TP

Parameter	Flag	Cert	MDL Result	Units	RL
TCLP Mercury		1	<0.000771	mg/L	0.005

Method Blank (1) QC Batch: 88529

QC Batch: 88529 Date Analyzed: 2012-02-13 Analyzed By: TP
Prep Batch: 75149 QC Preparation: 2012-02-13 Prepared By: TP

Parameter	Flag	Cert	MDL Result	Units	RL
TCLP Mercury		1	<0.000771	mg/L	0.005

Method Blank (1) QC Batch: 88553

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL
Prep Batch: 75178 QC Preparation: 2012-02-11 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1	<0.909	mg/Kg	2

Method Blank (1) QC Batch: 88553

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL
Prep Batch: 75178 QC Preparation: 2012-02-11 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Sulfate		1	<0.413	mg/Kg	2

Method Blank (1) QC Batch: 88554

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL
Prep Batch: 75178 QC Preparation: 2012-02-11 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1	<0.909	mg/Kg	2

Method Blank (1) QC Batch: 88554

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL
Prep Batch: 75178 QC Preparation: 2012-02-11 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Sulfate		1	<0.413	mg/Kg	2

Method Blank (1) QC Batch: 88591

QC Batch: 88591 Date Analyzed: 2012-02-15 Analyzed By: RR
Prep Batch: 75196 QC Preparation: 2012-02-15 Prepared By: KV

Parameter	Flag	Cert	MDL Result	Units	RL
TCLP Silver		1	<0.00437	mg/L	0.05
TCLP Arsenic		1	<0.0184	mg/L	0.1
TCLP Barium		1	<0.0103	mg/L	0.1
TCLP Cadmium		1	<0.0150	mg/L	0.05
TCLP Chromium		1	<0.0251	mg/L	0.1
TCLP Lead		1	<0.0104	mg/L	0.05
TCLP Selenium			<0.0470	mg/L	0.2

Method Blank (1) QC Batch: 88601

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1	<0.909	mg/Kg	2

Method Blank (1) QC Batch: 88601

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Sulfate		1	<0.413	mg/Kg	2

Method Blank (1) QC Batch: 88776

QC Batch: 88776 | Date Analyzed: 2012-02-21 | Analyzed By: RL
Prep Batch: 75361 | QC Preparation: 2012-02-21 | Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Specific Conductance		1	2.01	uMHOS/cm	

Duplicates (1) Duplicated Sample: 288293

QC Batch: 88349 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75005 | QC Preparation: 2012-02-06 | Prepared By: AM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	20.0	20.0	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	260	260	mg/Kg as CaCo3	1	0	20

continued ...

duplicate continued ...

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Alkalinity	280	280	mg/Kg as CaCo3	1	0	20

Duplicates (1) Duplicated Sample: 288300

QC Batch: 88350 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75006 | QC Preparation: 2012-02-06 | Prepared By: AM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/Kg as CaCo3	1	0	20
Bicarbonate Alkalinity	140	150	mg/Kg as CaCo3	1	7	20
Total Alkalinity	140	150	mg/Kg as CaCo3	1	7	20

Duplicates (1) Duplicated Sample: 288293

QC Batch: 88351 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75007 | QC Preparation: 2012-02-06 | Prepared By: AM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.92	8.93	s.u.	1	0	20

Duplicates (1) Duplicated Sample: 288300

QC Batch: 88352 | Date Analyzed: 2012-02-06 | Analyzed By: AM
Prep Batch: 75008 | QC Preparation: 2012-02-06 | Prepared By: AM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.34	8.34	s.u.	1	0	20

Duplicates (1) Duplicated Sample: 288292

QC Batch: 88504 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75134 | QC Preparation: 2012-02-13 | Prepared By: RL

Param		Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1	730	722	uMHOS/cm	1	1	20

Duplicates (1) Duplicated Sample: 288300

QC Batch: 88776 | Date Analyzed: 2012-02-21 | Analyzed By: RL
Prep Batch: 75361 | QC Preparation: 2012-02-21 | Prepared By: RL

Param		Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1	202	204	uMHOS/cm	1	1	20

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 88302 | Date Analyzed: 2012-02-03 | Analyzed By: ZLM
Prep Batch: 74977 | QC Preparation: 2012-02-03 | Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1	1	2.01	mg/Kg	1	2.00	<0.00335	100	70 - 130
Toluene		1	1.99	mg/Kg	1	2.00	<0.00471	100	70 - 130
Ethylbenzene		1	1.94	mg/Kg	1	2.00	<0.00440	97	70 - 130
Xylene		1	6.04	mg/Kg	1	6.00	<0.00557	101	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	2.01	mg/Kg	1	2.00	<0.00335	100	70 - 130	0	20
Toluene		1	2.02	mg/Kg	1	2.00	<0.00471	101	70 - 130	1	20
Ethylbenzene		1	1.95	mg/Kg	1	2.00	<0.00440	97	70 - 130	0	20
Xylene		1	6.06	mg/Kg	1	6.00	<0.00557	101	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)	1.72	1.79	mg/Kg	1	2.00	86	89	70 - 130
4-Bromofluorobenzene (4-BFB)	1.82	1.84	mg/Kg	1	2.00	91	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 88394 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75036 | QC Preparation: 2012-02-08 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium		1	5290	mg/Kg	1	5250	<5.03	101	85 - 115
Total Magnesium		1	5320	mg/Kg	1	5250	<6.53	101	85 - 115
Total Potassium		1	5360	mg/Kg	1	5250	<16.1	102	85 - 115
Total Sodium		1	5370	mg/Kg	1	5250	<8.62	102	85 - 115

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
Total Calcium		1	5120	mg/Kg	1	5250	<5.03	98	85 - 115	3	20
Total Magnesium		1	5190	mg/Kg	1	5250	<6.53	99	85 - 115	2	20
Total Potassium		1	5230	mg/Kg	1	5250	<16.1	100	85 - 115	2	20
Total Sodium		1	5220	mg/Kg	1	5250	<8.62	99	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88395 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75037 | QC Preparation: 2012-02-08 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium		1	4630	mg/Kg	1	5000	<0.0866	93	80 - 120
Total Magnesium		1	4760	mg/Kg	1	5000	<0.478	95	80 - 120
Total Potassium		1	4750	mg/Kg	1	5000	<0.354	95	85 - 115
Total Sodium		1	4860	mg/Kg	1	5000	<3.88	97	85 - 115

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
Total Calcium		1	4630	mg/Kg	1	5000	<0.0866	93	80 - 120	0	20
Total Magnesium		1	4760	mg/Kg	1	5000	<0.478	95	80 - 120	0	20
Total Potassium		1	4770	mg/Kg	1	5000	<0.354	95	85 - 115	0	20
Total Sodium		1	4880	mg/Kg	1	5000	<3.88	98	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88427 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	85 - 115
TCLP Arsenic		1	5.31	mg/L	1	5.00	<0.0184	106	85 - 115
TCLP Barium		1	10.6	mg/L	1	10.0	<0.0103	106	85 - 115
TCLP Cadmium		1	2.65	mg/L	1	2.50	<0.0150	106	85 - 115
TCLP Chromium		1	0.986	mg/L	1	1.00	<0.0251	99	85 - 115

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Lead		1	5.42	mg/L	1	5.00	<0.0104	108	85 - 115
TCLP Selenium			4.84	mg/L	1	5.00	<0.0470	97	85 - 115

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
TCLP Silver		1	1.24	mg/L	1	1.25	<0.00437	99	85 - 115	1	20
TCLP Arsenic		1	5.33	mg/L	1	5.00	<0.0184	107	85 - 115	0	20
TCLP Barium		1	10.7	mg/L	1	10.0	<0.0103	107	85 - 115	1	20
TCLP Cadmium		1	2.67	mg/L	1	2.50	<0.0150	107	85 - 115	1	20
TCLP Chromium		1	0.995	mg/L	1	1.00	<0.0251	100	85 - 115	1	20
TCLP Lead		1	5.41	mg/L	1	5.00	<0.0104	108	85 - 115	0	20
TCLP Selenium			4.85	mg/L	1	5.00	<0.0470	97	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88429 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	85 - 115
TCLP Arsenic		1	5.31	mg/L	1	5.00	<0.0184	106	85 - 115
TCLP Barium		1	10.6	mg/L	1	10.0	<0.0103	106	85 - 115
TCLP Cadmium		1	2.65	mg/L	1	2.50	<0.0150	106	85 - 115
TCLP Chromium		1	0.986	mg/L	1	1.00	<0.0251	99	85 - 115
TCLP Lead		1	5.42	mg/L	1	5.00	<0.0104	108	85 - 115
TCLP Selenium			4.84	mg/L	1	5.00	<0.0470	97	85 - 115

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
TCLP Silver		1	1.24	mg/L	1	1.25	<0.00437	99	85 - 115	1	20
TCLP Arsenic		1	5.33	mg/L	1	5.00	<0.0184	107	85 - 115	0	20
TCLP Barium		1	10.7	mg/L	1	10.0	<0.0103	107	85 - 115	1	20
TCLP Cadmium		1	2.67	mg/L	1	2.50	<0.0150	107	85 - 115	1	20
TCLP Chromium		1	0.995	mg/L	1	1.00	<0.0251	100	85 - 115	1	20
TCLP Lead		1	5.41	mg/L	1	5.00	<0.0104	108	85 - 115	0	20
TCLP Selenium			4.85	mg/L	1	5.00	<0.0470	97	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88454 | Date Analyzed: 2012-02-09 | Analyzed By: DS
Prep Batch: 75096 | QC Preparation: 2012-02-09 | Prepared By: DS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			293	mg/Kg	1	250	<4.79	117	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			293	mg/Kg	1	250	<4.79	117	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: 88528 | Date Analyzed: 2012-02-13 | Analyzed By: TP
Prep Batch: 75149 | QC Preparation: 2012-02-13 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury		1	0.0414	mg/L	1	0.0400	<0.000771	104	85 - 115

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
TCLP Mercury		1	0.0422	mg/L	1	0.0400	<0.000771	106	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88529 | Date Analyzed: 2012-02-13 | Analyzed By: TP
Prep Batch: 75149 | QC Preparation: 2012-02-13 | Prepared By: TP

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury		1	0.0414	mg/L	1	0.0400	<0.000771	104	85 - 115

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
TCLP Mercury		1	0.0422	mg/L	1	0.0400	<0.000771	106	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88553 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1	252	mg/Kg	1	250	<0.909	101	90 - 110

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
Chloride		1	250	mg/Kg	1	250	<0.909	100	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88553 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	274	mg/Kg	1	250	<0.413	110	90 - 110

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
Sulfate		1	274	mg/Kg	1	250	<0.413	110	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88554 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1	240	mg/Kg	1	250	<0.909	96	90 - 110

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
Chloride		1	243	mg/Kg	1	250	<0.909	97	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88554 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	240	mg/Kg	1	250	<0.413	96	90 - 110

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
Sulfate		1	246	mg/Kg	1	250	<0.413	98	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88591 | Date Analyzed: 2012-02-15 | Analyzed By: RR
Prep Batch: 75196 | QC Preparation: 2012-02-15 | Prepared By: KV

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	85 - 115
TCLP Arsenic		1	5.32	mg/L	1	5.00	<0.0184	106	85 - 115
TCLP Barium		1	10.6	mg/L	1	10.0	<0.0103	106	85 - 115
TCLP Cadmium		1	2.68	mg/L	1	2.50	<0.0150	107	85 - 115
TCLP Chromium		1	0.981	mg/L	1	1.00	<0.0251	98	85 - 115
TCLP Lead		1	5.31	mg/L	1	5.00	<0.0104	106	85 - 115
TCLP Selenium			4.90	mg/L	1	5.00	<0.0470	98	85 - 115

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
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	85 - 115	0	20
TCLP Arsenic		1	5.32	mg/L	1	5.00	<0.0184	106	85 - 115	0	20
TCLP Barium		1	10.7	mg/L	1	10.0	<0.0103	107	85 - 115	1	20
TCLP Cadmium		1	2.68	mg/L	1	2.50	<0.0150	107	85 - 115	0	20
TCLP Chromium		1	0.978	mg/L	1	1.00	<0.0251	98	85 - 115	0	20
TCLP Lead		1	5.35	mg/L	1	5.00	<0.0104	107	85 - 115	1	20
TCLP Selenium			4.95	mg/L	1	5.00	<0.0470	99	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1	245	mg/Kg	1	250	<0.909	98	90 - 110

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
Chloride		1	250	mg/Kg	1	250	<0.909	100	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	244	mg/Kg	1	250	<0.413	98	90 - 110

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
Sulfate		1	248	mg/Kg	1	250	<0.413	99	90 - 110	2	20

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

Matrix Spike (MS-1) Spiked Sample: 288293

QC Batch: 88394 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75036 | QC Preparation: 2012-02-08 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium		1	7620	mg/Kg	1	5250	2420	99	75 - 125
Total Magnesium		1	6400	mg/Kg	1	5250	1160	100	75 - 125
Total Potassium		1	6500	mg/Kg	1	5250	1310	99	75 - 125
Total Sodium		1	5600	mg/Kg	1	5250	466	98	75 - 125

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
Total Calcium		1	7680	mg/Kg	1	5250	2420	100	75 - 125	1	20
Total Magnesium		1	6390	mg/Kg	1	5250	1160	100	75 - 125	0	20
Total Potassium		1	6600	mg/Kg	1	5250	1310	101	75 - 125	2	20
Total Sodium		1	5700	mg/Kg	1	5250	466	100	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 288294

QC Batch: 88395 | Date Analyzed: 2012-02-08 | Analyzed By: RR
Prep Batch: 75037 | QC Preparation: 2012-02-08 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium		1	9140	mg/Kg	1	5000	4220	98	75 - 125
Total Magnesium		1	6640	mg/Kg	1	5000	2030	92	75 - 125
Total Potassium		1	6580	mg/Kg	1	5000	1920	93	75 - 125
Total Sodium		1	6010	mg/Kg	1	5000	1290	94	75 - 125

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
Total Calcium		1	9220	mg/Kg	1	5000	4220	100	75 - 125	1	20
Total Magnesium		1	6600	mg/Kg	1	5000	2030	91	75 - 125	1	20
Total Potassium		1	6520	mg/Kg	1	5000	1920	92	75 - 125	1	20
Total Sodium		1	5960	mg/Kg	1	5000	1290	93	75 - 125	1	20

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

Matrix Spike (MS-1) Spiked Sample: 288155

QC Batch: 88427 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	75 - 125
TCLP Arsenic		1	5.32	mg/L	1	5.00	<0.0184	106	75 - 125
TCLP Barium		1	10.5	mg/L	1	10.0	<0.0103	105	75 - 125
TCLP Cadmium		1	2.68	mg/L	1	2.50	<0.0150	107	75 - 125
TCLP Chromium		1	0.974	mg/L	1	1.00	<0.0251	97	75 - 125
TCLP Lead		1	5.47	mg/L	1	5.00	<0.0104	109	75 - 125
TCLP Selenium			4.87	mg/L	1	5.00	<0.0470	97	75 - 125

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
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	75 - 125	0	20
TCLP Arsenic		1	5.29	mg/L	1	5.00	<0.0184	106	75 - 125	1	20
TCLP Barium		1	10.6	mg/L	1	10.0	<0.0103	106	75 - 125	1	20
TCLP Cadmium		1	2.69	mg/L	1	2.50	<0.0150	108	75 - 125	0	20
TCLP Chromium		1	0.979	mg/L	1	1.00	<0.0251	98	75 - 125	0	20
TCLP Lead		1	5.43	mg/L	1	5.00	<0.0104	109	75 - 125	1	20
TCLP Selenium			4.76	mg/L	1	5.00	<0.0470	95	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 288292

QC Batch: 88429 | Date Analyzed: 2012-02-09 | Analyzed By: RR
Prep Batch: 75069 | QC Preparation: 2012-02-09 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.29	mg/L	1	1.25	<0.00437	103	75 - 125
TCLP Arsenic		1	5.16	mg/L	1	5.00	<0.0184	103	75 - 125
TCLP Barium		1	11.5	mg/L	1	10.0	1.35	102	75 - 125
TCLP Cadmium		1	2.51	mg/L	1	2.50	<0.0150	100	75 - 125
TCLP Chromium		1	0.958	mg/L	1	1.00	<0.0251	96	75 - 125
TCLP Lead		1	5.14	mg/L	1	5.00	<0.0104	103	75 - 125
TCLP Selenium			4.88	mg/L	1	5.00	<0.0470	98	75 - 125

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
TCLP Silver		1	1.28	mg/L	1	1.25	<0.00437	102	75 - 125	1	20
TCLP Arsenic		1	5.16	mg/L	1	5.00	<0.0184	103	75 - 125	0	20
TCLP Barium		1	11.5	mg/L	1	10.0	1.35	102	75 - 125	0	20
TCLP Cadmium		1	2.50	mg/L	1	2.50	<0.0150	100	75 - 125	0	20
TCLP Chromium		1	0.955	mg/L	1	1.00	<0.0251	96	75 - 125	0	20
TCLP Lead		1	5.12	mg/L	1	5.00	<0.0104	102	75 - 125	0	20
TCLP Selenium			4.87	mg/L	1	5.00	<0.0470	97	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 288284

QC Batch: 88454 | Date Analyzed: 2012-02-09 | Analyzed By: DS
Prep Batch: 75096 | QC Preparation: 2012-02-09 | Prepared By: DS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TRPHC			264	mg/Kg	1	250	6.21	103	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			256	mg/Kg	1	250	6.21	100	43 - 161	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: 288284

QC Batch: 88528 | Date Analyzed: 2012-02-13 | Analyzed By: TP
Prep Batch: 75149 | QC Preparation: 2012-02-13 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury		1	0.0408	mg/L	1	0.0400	<0.000771	102	75 - 125

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
TCLP Mercury		1	0.0424	mg/L	1	0.0400	<0.000771	106	75 - 125	4	20

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

Matrix Spike (MS-1) Spiked Sample: 288299

QC Batch: 88529 | Date Analyzed: 2012-02-13 | Analyzed By: TP
Prep Batch: 75149 | QC Preparation: 2012-02-13 | Prepared By: TP

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury		1	0.0427	mg/L	1	0.0400	<0.000771	107	75 - 125

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
TCLP Mercury		1	0.0403	mg/L	1	0.0400	<0.000771	101	75 - 125	6	20

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

Matrix Spike (MS-1) Spiked Sample: 288291

QC Batch: 88553 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1	328	mg/Kg	1	208	132	94	90 - 110

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
Chloride		1	331	mg/Kg	1	208	132	96	90 - 110	1	20

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

Matrix Spike (MS-1) Spiked Sample: 288291

QC Batch: 88553 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	278	mg/Kg	1	208	80.7	95	90 - 110

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
Sulfate		1	283	mg/Kg	1	208	80.7	97	90 - 110	2	20

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

Matrix Spike (MS-1) Spiked Sample: 288300

QC Batch: 88554 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1	294	mg/Kg	1	208	95.3	96	90 - 110

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
Chloride		1	296	mg/Kg	1	208	95.3	96	90 - 110	1	20

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

Matrix Spike (MS-1) Spiked Sample: 288300

QC Batch: 88554 | Date Analyzed: 2012-02-13 | Analyzed By: RL
Prep Batch: 75178 | QC Preparation: 2012-02-11 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	248	mg/Kg	1	208	32.2	104	90 - 110

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
Sulfate		1	235	mg/Kg	1	208	32.2	98	90 - 110	5	20

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

Matrix Spike (MS-1) Spiked Sample: 287036

QC Batch: 88591 | Date Analyzed: 2012-02-15 | Analyzed By: RR
Prep Batch: 75196 | QC Preparation: 2012-02-15 | Prepared By: KV

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver		1	1.23	mg/L	1	1.25	<0.00437	98	75 - 125
TCLP Arsenic		1	5.31	mg/L	1	5.00	0.18	103	75 - 125
TCLP Barium		1	10.8	mg/L	1	10.0	<0.0103	108	75 - 125
TCLP Cadmium		1	2.70	mg/L	1	2.50	<0.0150	108	75 - 125
TCLP Chromium		1	0.976	mg/L	1	1.00	<0.0251	98	75 - 125
TCLP Lead		1	5.34	mg/L	1	5.00	<0.0104	107	75 - 125
TCLP Selenium			4.81	mg/L	1	5.00	<0.0470	96	75 - 125

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
TCLP Silver		1	1.24	mg/L	1	1.25	<0.00437	99	75 - 125	1	20
TCLP Arsenic		1	5.21	mg/L	1	5.00	0.18	101	75 - 125	2	20
TCLP Barium		1	10.9	mg/L	1	10.0	<0.0103	109	75 - 125	1	20
TCLP Cadmium		1	2.72	mg/L	1	2.50	<0.0150	109	75 - 125	1	20
TCLP Chromium		1	0.986	mg/L	1	1.00	<0.0251	99	75 - 125	1	20
TCLP Lead		1	5.23	mg/L	1	5.00	<0.0104	105	75 - 125	2	20
TCLP Selenium			4.94	mg/L	1	5.00	<0.0470	99	75 - 125	3	20

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

Matrix Spike (MS-1) Spiked Sample: 288299

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	Qs	Qs 1	3160	mg/Kg	5	1040	2420	71	90 - 110

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
Chloride	Qs	Qs 1	3190	mg/Kg	5	1040	2420	74	90 - 110	1	20

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

Matrix Spike (MS-1) Spiked Sample: 288299

QC Batch: 88601 | Date Analyzed: 2012-02-15 | Analyzed By: RL
Prep Batch: 75208 | QC Preparation: 2012-02-14 | Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1	1230	mg/Kg	5	1040	239	95	90 - 110

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
Sulfate		1	1270	mg/Kg	5	1040	239	99	90 - 110	3	20

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: 88302 Date Analyzed: 2012-02-03 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	0.0992	99	80 - 120	2012-02-03
Toluene		1	mg/Kg	0.100	0.0995	100	80 - 120	2012-02-03
Ethylbenzene		1	mg/Kg	0.100	0.0964	96	80 - 120	2012-02-03
Xylene		1	mg/Kg	0.300	0.300	100	80 - 120	2012-02-03

Standard (CCV-2)

QC Batch: 88302 Date Analyzed: 2012-02-03 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	0.101	101	80 - 120	2012-02-03
Toluene		1	mg/Kg	0.100	0.102	102	80 - 120	2012-02-03
Ethylbenzene		1	mg/Kg	0.100	0.0969	97	80 - 120	2012-02-03
Xylene		1	mg/Kg	0.300	0.301	100	80 - 120	2012-02-03

Standard (CCV-3)

QC Batch: 88302 Date Analyzed: 2012-02-03 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	0.100	100	80 - 120	2012-02-03
Toluene		1	mg/Kg	0.100	0.101	101	80 - 120	2012-02-03
Ethylbenzene		1	mg/Kg	0.100	0.0957	96	80 - 120	2012-02-03
Xylene		1	mg/Kg	0.300	0.296	99	80 - 120	2012-02-03

Standard (ICV-1)

QC Batch: 88349 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity			mg/Kg as CaCo3	0.00	30.0		-	2012-02-06
Carbonate Alkalinity			mg/Kg as CaCo3	0.00	220		-	2012-02-06
Bicarbonate Alkalinity			mg/Kg as CaCo3	0.00	<4.00		-	2012-02-06
Total Alkalinity			mg/Kg as CaCo3	250	250	100	95 - 105	2012-02-06

Standard (CCV-1)

QC Batch: 88349 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity			mg/Kg as CaCo3	0.00	10.0		-	2012-02-06
Carbonate Alkalinity			mg/Kg as CaCo3	0.00	240		-	2012-02-06
Bicarbonate Alkalinity			mg/Kg as CaCo3	0.00	<4.00		-	2012-02-06
Total Alkalinity			mg/Kg as CaCo3	250	250	100	95 - 105	2012-02-06

Standard (ICV-1)

QC Batch: 88350 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity			mg/Kg as CaCo3	0.00	30.0		-	2012-02-06
Carbonate Alkalinity			mg/Kg as CaCo3	0.00	220		-	2012-02-06
Bicarbonate Alkalinity			mg/Kg as CaCo3	0.00	<4.00		-	2012-02-06
Total Alkalinity			mg/Kg as CaCo3	250	250	100	95 - 105	2012-02-06

Standard (CCV-1)

QC Batch: 88350 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity			mg/Kg as CaCo3	0.00	30.0		-	2012-02-06
Carbonate Alkalinity			mg/Kg as CaCo3	0.00	220		-	2012-02-06
Bicarbonate Alkalinity			mg/Kg as CaCo3	0.00	<4.00		-	2012-02-06
Total Alkalinity			mg/Kg as CaCo3	250	250	100	95 - 105	2012-02-06

Standard (ICV-1)

QC Batch: 88351 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH			s.u.	7.00	7.00	100	98 - 102	2012-02-06

Standard (CCV-1)

QC Batch: 88351 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH			s.u.	7.00	7.02	100	98 - 102	2012-02-06

Standard (ICV-1)

QC Batch: 88352 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH			s.u.	7.00	7.00	100	98 - 102	2012-02-06

Standard (CCV-1)

QC Batch: 88352 Date Analyzed: 2012-02-06 Analyzed By: AM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH			s.u.	7.00	7.02	100	98 - 102	2012-02-06

Standard (ICV-1)

QC Batch: 88394 Date Analyzed: 2012-02-08 Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		1	mg/Kg	51.0	51.3	100	90 - 110	2012-02-08
Total Magnesium		1	mg/Kg	51.0	51.2	100	90 - 110	2012-02-08
Total Potassium		1	mg/Kg	55.0	55.5	101	90 - 110	2012-02-08
Total Sodium		1	mg/Kg	51.0	51.4	101	90 - 110	2012-02-08

Standard (CCV-1)

QC Batch: 88394 Date Analyzed: 2012-02-08 Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		1	mg/Kg	51.0	47.9	94	90 - 110	2012-02-08
Total Magnesium		1	mg/Kg	51.0	49.8	98	90 - 110	2012-02-08
Total Potassium		1	mg/Kg	55.0	52.6	96	90 - 110	2012-02-08
Total Sodium		1	mg/Kg	51.0	48.8	96	90 - 110	2012-02-08

Standard (ICV-1)

QC Batch: 88395 Date Analyzed: 2012-02-08 Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		1	mg/Kg	51.0	51.3	100	90 - 110	2012-02-08
Total Magnesium		1	mg/Kg	51.0	51.2	100	90 - 110	2012-02-08
Total Potassium		1	mg/Kg	55.0	55.5	101	90 - 110	2012-02-08
Total Sodium		1	mg/Kg	51.0	51.4	101	90 - 110	2012-02-08

Standard (CCV-1)

QC Batch: 88395 Date Analyzed: 2012-02-08 Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		1	mg/Kg	51.0	48.6	95	90 - 110	2012-02-08
Total Magnesium		1	mg/Kg	51.0	47.9	94	90 - 110	2012-02-08
Total Potassium		1	mg/Kg	55.0	53.2	97	90 - 110	2012-02-08
Total Sodium		1	mg/Kg	51.0	48.8	96	90 - 110	2012-02-08

Standard (ICV-1)

QC Batch: 88427 Date Analyzed: 2012-02-09 Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.126	101	90 - 110	2012-02-09
TCLP Arsenic		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Barium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Cadmium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Chromium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Lead		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Selenium			mg/L	1.00	1.02	102	90 - 110	2012-02-09

Standard (CCV-1)

QC Batch: 88427 Date Analyzed: 2012-02-09 Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.125	100	90 - 110	2012-02-09
TCLP Arsenic		1	mg/L	1.00	1.00	100	90 - 110	2012-02-09
TCLP Barium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Cadmium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Chromium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Lead		1	mg/L	1.00	1.00	100	90 - 110	2012-02-09
TCLP Selenium			mg/L	1.00	1.00	100	90 - 110	2012-02-09

Standard (ICV-1)

QC Batch: 88429 Date Analyzed: 2012-02-09 Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.126	101	90 - 110	2012-02-09
TCLP Arsenic		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Barium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Cadmium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Chromium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Lead		1	mg/L	1.00	1.02	102	90 - 110	2012-02-09
TCLP Selenium			mg/L	1.00	1.02	102	90 - 110	2012-02-09

Standard (CCV-1)

QC Batch: 88429 Date Analyzed: 2012-02-09 Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.126	101	90 - 110	2012-02-09
TCLP Arsenic		1	mg/L	1.00	0.996	100	90 - 110	2012-02-09
TCLP Barium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Cadmium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Chromium		1	mg/L	1.00	1.01	101	90 - 110	2012-02-09
TCLP Lead		1	mg/L	1.00	0.997	100	90 - 110	2012-02-09
TCLP Selenium			mg/L	1.00	1.00	100	90 - 110	2012-02-09

Standard (CCV-1)

QC Batch: 88454 Date Analyzed: 2012-02-09 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	114	114	80 - 120	2012-02-09

Standard (CCV-2)

QC Batch: 88454 Date Analyzed: 2012-02-09 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	107	107	80 - 120	2012-02-09

Standard (CCV-3)

QC Batch: 88454 Date Analyzed: 2012-02-09 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	114	114	80 - 120	2012-02-09

Standard (CCV-4)

QC Batch: 88454 Date Analyzed: 2012-02-09 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	2012-02-09

Standard (ICV-1)

QC Batch: 88504 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		1	uMHOS/cm	1410	1330	94	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88504 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		1	uMHOS/cm	1410	1310	93	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88528 Date Analyzed: 2012-02-13 Analyzed By: TP

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		1	mg/L	0.00500	0.00501	100	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88528 Date Analyzed: 2012-02-13 Analyzed By: TP

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		1	mg/L	0.00500	0.00514	103	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88529 Date Analyzed: 2012-02-13 Analyzed By: TP

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		1	mg/L	0.00500	0.00501	100	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88529 Date Analyzed: 2012-02-13 Analyzed By: TP

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		1	mg/L	0.00500	0.00478	96	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	23.8	95	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.5	98	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	23.5	94	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88553 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.0	96	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	23.5	94	90 - 110	2012-02-13

Standard (CCV-1)

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.0	96	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	24.7	99	90 - 110	2012-02-13

Standard (CCV-2)

QC Batch: 88554 Date Analyzed: 2012-02-13 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.7	99	90 - 110	2012-02-13

Standard (ICV-1)

QC Batch: 88591 Date Analyzed: 2012-02-15 Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.127	102	90 - 110	2012-02-15
TCLP Arsenic		1	mg/L	1.00	1.01	101	90 - 110	2012-02-15
TCLP Barium		1	mg/L	1.00	1.02	102	90 - 110	2012-02-15
TCLP Cadmium		1	mg/L	1.00	1.03	103	90 - 110	2012-02-15
TCLP Chromium		1	mg/L	1.00	1.03	103	90 - 110	2012-02-15
TCLP Lead		1	mg/L	1.00	1.02	102	90 - 110	2012-02-15
TCLP Selenium			mg/L	1.00	1.02	102	90 - 110	2012-02-15

Standard (CCV-1)

QC Batch: 88591 Date Analyzed: 2012-02-15 Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		1	mg/L	0.125	0.127	102	90 - 110	2012-02-15
TCLP Arsenic		1	mg/L	1.00	1.03	103	90 - 110	2012-02-15
TCLP Barium		1	mg/L	1.00	1.06	106	90 - 110	2012-02-15
TCLP Cadmium		1	mg/L	1.00	1.03	103	90 - 110	2012-02-15
TCLP Chromium		1	mg/L	1.00	1.03	103	90 - 110	2012-02-15
TCLP Lead		1	mg/L	1.00	1.04	104	90 - 110	2012-02-15
TCLP Selenium			mg/L	1.00	1.02	102	90 - 110	2012-02-15

Standard (CCV-1)

QC Batch: 88601 Date Analyzed: 2012-02-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	24.1	96	90 - 110	2012-02-15

Standard (CCV-1)

QC Batch: 88601 Date Analyzed: 2012-02-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.8	99	90 - 110	2012-02-15

Standard (CCV-2)

QC Batch: 88601 Date Analyzed: 2012-02-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1	mg/Kg	25.0	24.5	98	90 - 110	2012-02-15

Standard (CCV-2)

QC Batch: 88601 Date Analyzed: 2012-02-15 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1	mg/Kg	25.0	24.9	100	90 - 110	2012-02-15

Standard (ICV-1)

QC Batch: 88776 Date Analyzed: 2012-02-21 Analyzed By: RL

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		1	uMHOS/cm	1410	1390	99	90 - 110	2012-02-21

Standard (CCV-1)

QC Batch: 88776 Date Analyzed: 2012-02-21 Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		1	uMHOS/cm	1410	1360	96	90 - 110	2012-02-21

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

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	T104704219-12-8	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

Result Comments

1 MS/MSD ran but not reportable due to spike error.

Attachments

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

LAB Order ID # 12020324

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: Bret Riley C 505.330.2461
E-mail: GmI@dfn.com riley-bret yahoo.com
Invoice to: (If different from above)
Project #: 4th Quarter / Year End 2011 Soil Sampling
Project Name: GmI Landfarm
Project Location (including state): Sec. 4, 5, 8, & 9 T.11.S. R.31.E. Chaves Co. New Mexico
Sampler Signature: [signature]

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
288284	Cell 1	2	4oz		X							X	X	01/31/12	1435
285	Cell 2	↓	↓		↓							↓	↓	↓	1440
286	Cell 3	↓	↓		↓							↓	↓	↓	1445
287	Cell 4	↓	↓		↓							↓	↓	↓	1450
288	Cell 5	↓	↓		↓							↓	↓	↓	1458
289	Cell 7	↓	↓		↓							↓	↓	↓	1504
290	Cell 9	↓	↓		↓							↓	↓	↓	1509
291	Cell 10	↓	↓		↓							↓	↓	↓	1513
292	Cell 11	↓	↓		↓							↓	↓	↓	1520
293	Cell 12	↓	↓		↓							↓	↓	↓	1527
294	Cell 13	↓	↓		↓							↓	↓	↓	1532

ANALYSIS REQUEST (Circle or Specify Method No.)

Analysis	Cell 1	Cells 2–13
MTBE 8021 / 602 / 8260 / 624		
(BTEX) 8021 / 602 / 8260 / 624	X	↓
(TPH 418.1) / TX1005 / TX1005 Ext(C35)	X	↓
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	X	↓
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)	X	↓
Moisture Content		
(Cl), Fl, (SO4), NO3, NO2, (Alkalinity)	X	↓
(Na), (Ca), (Mg), (K), TDS, (EC)	X	↓
~~Hydroxide~~		
Turn Around Time if different from standard		
Hold		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	CMB	02/02/12	10:00					INST ___ °C OBS ___ °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C
				[signature]	TA	2/3/12	10:00	INST #90C OBS 4.8 °C COR 4.4 °C

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

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: 931 8557 5294

LAB Order ID # 12020326

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: Cindy 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: 6mIcdtn.com riley-bret@yahoo.com

Invoice to: (If different from above)

Project #: 4th Quarter / Year End Soil Sampling 2011 — Project Name: 6mI Land farm

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

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
288295	Cell 14	2	40z		X							X	X	01/31/12	1537
296	Cell 15	↓	↓		↓							↓	↓	↓	1543
297	Cell 16														1548
298 ~~299~~	Cell 17														1554
299 ~~300~~	Cell 19														1601
300 ~~301~~	Cell 21	↓	↓		↓							↓	↓	↓	1605
	Temp Blank	1	125 ml	X								X	X		

Analysis	Cell 14	Cell 15	Cell 16	Cell 17	Cell 19	Cell 21	Temp Blank
MTBE 8021 / 602 / 8260 / 624							
BTEX 8021 / 602 / 8260 / 624	X	↓				↓	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	X	↓				↓	
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	X	↓				↓	
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	X	↓				↓	
Na, Ca, Mg, K, TDS, EC	X	↓				↓	
Turn Around Time if different from standard							
Hold							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	CMB	02/02/12	10:00					INST ____ °C OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST 2.0 °C OBS 4.8 °C COR 4.5 °C
						2/3/12	10:00	

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-In-Review

Carrier # Fed: 879931855 7529 4

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

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

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