January 27, 2005

New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division Environmental Bureau
Attn: Mr. Wayne Price
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: **Submittal of Fourth Quarterly Monitoring Report for Year 2004**
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-711-1-0020)

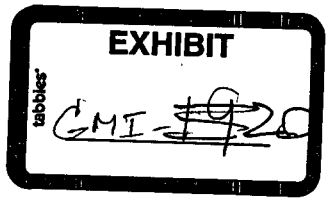
Dear Mr. Price:

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

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

Sincerely,

Clayton M. Barnhill, PG
NMED PTB Certified Scientist # 246
CMB Environmental & Geological Services, Inc.
PO Box 2304
Roswell, NM 88202-2304
(505) 622-2012 Phone and Fax
Cellular: (505) 626-1615
cmbenviro@dfn.com



COVER PAGE
QUARTERLY MONITORING REPORT

Please include the following information:

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

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

3. Responsible party mailing address (list contact person if different):
   Gandy Marley Inc.
   Attn: Larry Gandy, Vice President
   PO Box 1658
   Roswell, NM 88202-1658

4. Commercial Landfarm Permit Number: **NM-711-1-0020**

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, CMB Environmental & Geological Services, Inc.

7. Date of report: **January 27, 2005**

STATEMENT OF FAMILIARITY

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

Signature: _____

Name: Clayton M. Barnhill, PG

Affiliation: CMB Environmental and Geological Services, Inc.

Title: Sr./Principal Geologist

Certified Scientist #: 0246, State of Texas Professional Geologist 6121, exp. 12/31/05

Date: 01/27/05

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-711-1-0020 (Gandy Marley Inc., 1995 approved by the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division (NMOCD) Environmental Bureau on January 27, 1995.

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-711-1-0020. The commercial landfarm is being managed in accordance with the NMOCD approved Commercial Landfarm Permit NM-711-1-0020. 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 of 150 feet below ground surface, and has a total dissolved solids concentration of approximately 11, 900 milligrams per liter.

A. Scope of Work

The approved scope of work for the fourth quarter of monitoring consists of collecting confirmation soil samples beneath all site cells being actively landfarmed, analyzing the subsurface soil samples for total petroleum hydrocarbons (TPH), BTEX, general chemistry characteristics, major Cations & Anions, and RCRA 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-711-1-0020.

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 each cell and remediated soil samples from certain cells..

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

B. Quarter Highlights

Fourth quarter monitoring was performed on December 10, 2004. This quarter's monitoring activities include the following:

- Collection of Remediation Cell Soil samples from landfarm remediation cells #1- 15 for laboratory analysis of the parameters outlined in section A above; and
- 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, hydroxide Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity, Total Alkalinity, Total Calcium, Chloride, Specific Conductance, Total Potassium, Total Magnesium, Total Sodium , pH, Sulfate, and TCLP Metals.

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

II. SUMMARY AND CONCLUSIONS

A. Assessment of Remediation Activities:

Gandy Marley Inc. is highly effective at managing and remediating soils and operating a commercial landfarm facility.

Analyses from a soil sample of the remediated soils in Landfarm Cells # 1, 2, 3, 4, 8, 10, 11, 12, 13, and 14 show the remediated soils to contain less than <0.0100 PPM BTEX, <2500 PPM TPH. The contaminated media has been adequately remediated and meets the requirements of WQCC Regulation 3109. Additional soils can be added to these cells for future remediation.

The vadose zone beneath the facility has been adequately monitored by the subsurface soil samples collected beneath each cell in compliance with WQCC Regulation 3107. There has been no leaching of contaminated media into the vadose zone beneath the remediation cells. All sampled cells had BTEX soil concentrations below < 0.01 PPM, TPH Concentrations <10.0 PPM, Acceptable TCLP concentrations (with the exception of the Barium WQCC drinking water standard of 1.0 PPM), general soil chemistry parameters, and major anion and cation concentrations. Remediation cell # 4 soil sample had a chloride concentration of 372 PPM (the WQCC drinking water standard is 250 mg/l), but also had higher calcium, potassium, magnesium and sodium concentrations, indicating the deposited native soil salt concentrations were generally higher in this cell. The Barium Concentrations in all 15 cells ranged from 1.67 PPM in Cell # 3 to 3.05 PPM in Cell # 9 with an average of 1.81 PPM Barium concentration of the 15 cells actively being landfarmed. Groundwater below the site is at a depth of 150 feet below ground surface, and has a total dissolved solids concentration of approximately 11, 900 milligrams per liter.

STATE OF TEXAS

BOARD OF PROFESSIONAL GEOSCIENTISTS

CLAYTON M. BARNHILL

Geology

License Number

[illegible]

In accordance with the provisions of the Texas [illegible] Practice Act, the Texas Board of Professional Geoscientists hereby certifies that the above named individual was licensed as a Professional Geoscientist on August 31, 2003.

THE BOARD OF PROFESSIONAL GEOSCIENTISTS X THE STATE OF TEXAS

W. Kevin Coleman

Chairman, Texas Board of Professional Geoscientists

THE STATE OF TEXAS

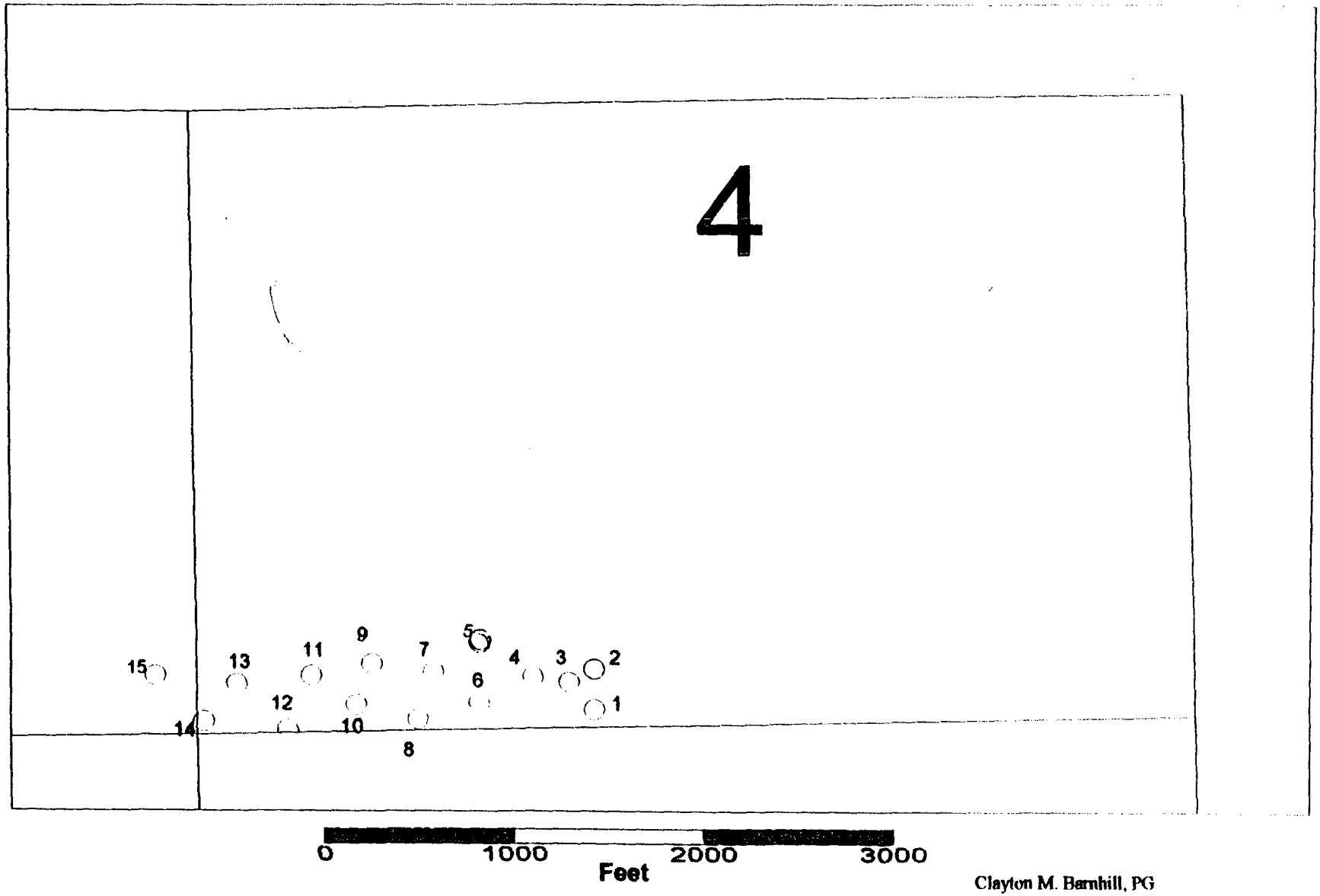
Texas map courtesy of the Bureau of Economic Geology, The University of Texas at Austin

LIST OF FIGURES

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

Figure 1

Gandy Marley Landfarm (NM-711-0020)
OCD Cell Plat
Sec. 4 and 5, T11S-R31E
Chaves Co., NM



Clayton M. Barnhill, PG
CMB Environmental & Geological Services, Inc.
PO Box 2304 Roswell, NM 88202-2304
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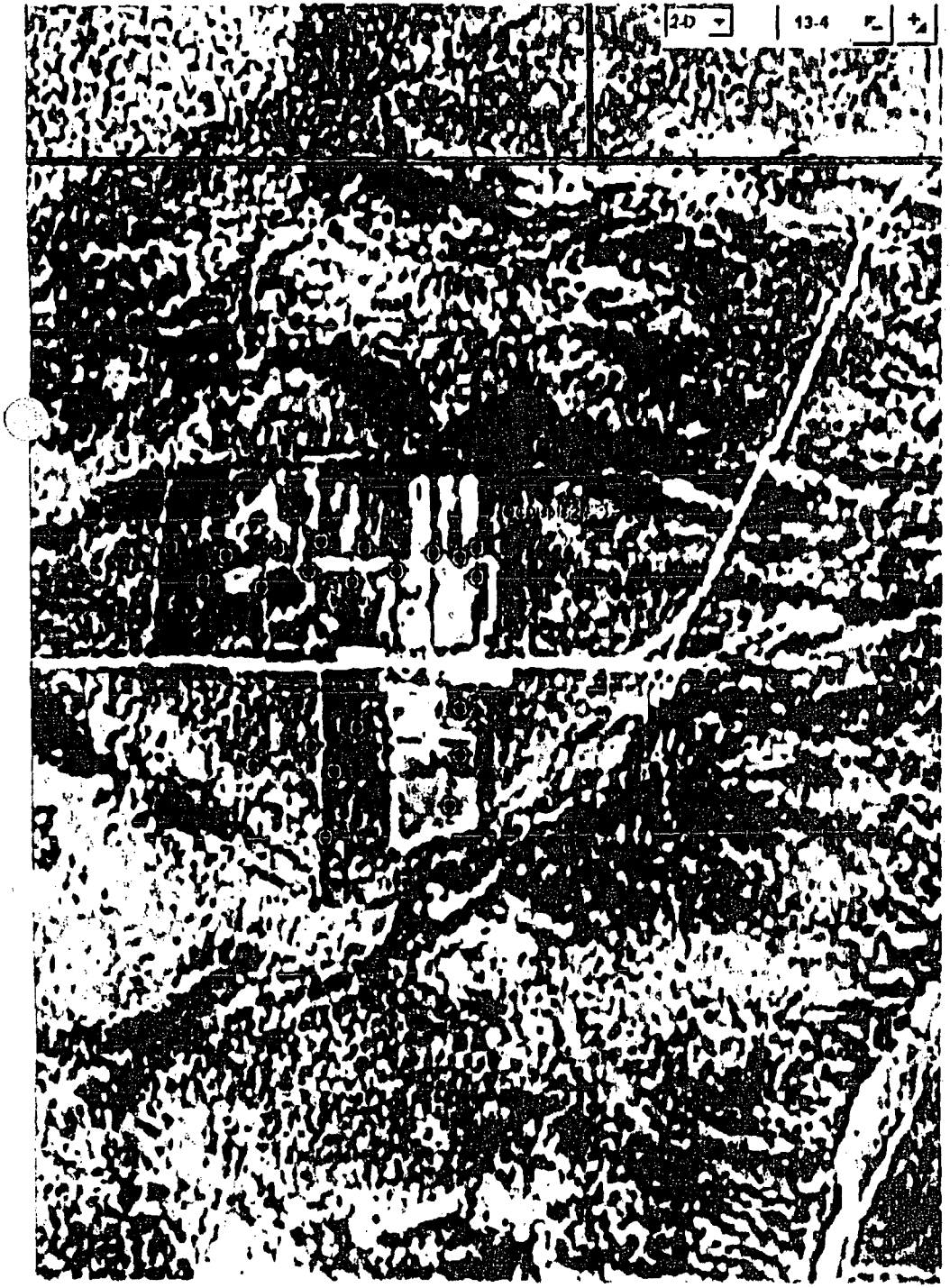
Figure 2



Gandy Marley Landfarm
Sec. 4,5,8,& 9, T11S-R31E
Chaves Co., NM

0 ft 600

Clayton M. Bamhill, PG
CMB Environmental & Geological Services, Inc.
PO Box 2304 Roswell, NM 88202-2304

LIST OF TABLES

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

LIST OF APPENDICES

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

Table 1

Summary Report

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

Report Date: December 30, 2004

Work Order: 4121407

Project Location: Sec4,Sec5,Sec8,Sec9 T.11.SR.31E
Project Name: Gandy Marley Land Farm
Project Number: Annual Sampling (NM-711-1-0020)

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
50523	OCD Cell #1	soil	2004-12-10	14:25	2004-12-14
50524	OCD Cell #2	soil	2004-12-10	15:02	2004-12-14
50525	OCD Cell #3	soil	2004-12-10	15:25	2004-12-14
50526	OCD Cell #4	soil	2004-12-10	16:00	2004-12-14
50527	OCD Cell #5	soil	2004-12-11	09:51	2004-12-14
50528	OCD Cell #6	soil	2004-12-11	10:04	2004-12-14
50529	OCD Cell #7	soil	2004-12-11	10:18	2004-12-14
50530	OCD Cell #8	soil	2004-12-11	10:42	2004-12-14
50531	OCD Cell #9	soil	2004-12-11	11:08	2004-12-14
50532	OCD Cell #10	soil	2004-12-11	11:28	2004-12-14
50533	OCD Cell #11	soil	2004-12-11	11:35	2004-12-14
50534	OCD Cell #12	soil	2004-12-11	12:07	2004-12-14
50535	OCD Cell #13	soil	2004-12-11	12:28	2004-12-14
50536	OCD Cell #14	soil	2004-12-11	12:50	2004-12-14
50537	OCD Cell #15	soil	2004-12-11	13:25	2004-12-14

	BTEX				TPH 418.1
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TRPHC (mg/Kg)
50523 - OCD Cell #1	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50524 - OCD Cell #2	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50525 - OCD Cell #3	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50526 - OCD Cell #4	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50527 - OCD Cell #5	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50528 - OCD Cell #6	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50529 - OCD Cell #7	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50530 - OCD Cell #8	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50531 - OCD Cell #9	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50532 - OCD Cell #10	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50533 - OCD Cell #11	<0.0100	<0.0100	<0.0100	0.0106	<10.0
50534 - OCD Cell #12	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50535 - OCD Cell #13	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50536 - OCD Cell #14	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50537 - OCD Cell #15	<0.0100	<0.0100	<0.0100	<0.0100	<10.0

Sample: 50523 - OCD Cell #1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Calcium		98200	mg/Kg	50.0
Chloride		33.4	mg/Kg	1.00
Specific Conductance		732	µMHOS/cm	0.00
Total Potassium		2360	mg/Kg	50.0
Total Magnesium		4130	mg/Kg	50.0
Total Sodium		487	mg/Kg	50.0
pH		8.37	s.u.	0.00
Sulfate		217	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.26	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50524 - OCD Cell #2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Calcium		13500	mg/Kg	50.0
Chloride		28.0	mg/Kg	1.00
Specific Conductance		568	µMHOS/cm	0.00
Total Potassium		2810	mg/Kg	50.0
Total Magnesium		3630	mg/Kg	50.0
Total Sodium		762	mg/Kg	50.0
pH		8.50	s.u.	0.00
Sulfate		85.7	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.18	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50525 - OCD Cell #3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		46.0	mg/Kg as CaCo3	4.00
Total Alkalinity		46.0	mg/Kg as CaCo3	4.00

continued ...

sample 50525 continued ...

Param	Flag	Result	Units	RL
Total Calcium		6300	mg/Kg	50.0
Chloride		29.0	mg/Kg	1.00
Specific Conductance		898	µMHOS/cm	0.00
Total Potassium		1900	mg/Kg	50.0
Total Magnesium		2830	mg/Kg	50.0
Total Sodium		158	mg/Kg	50.0
pH		8.24	s.u.	0.00
Sulfate		359	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.67	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50526 - OCD Cell #4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		154	mg/Kg as CaCo3	4.00
Total Alkalinity		154	mg/Kg as CaCo3	4.00
Total Calcium		42500	mg/Kg	50.0
Chloride		372	mg/Kg	1.00
Specific Conductance		1920	µMHOS/cm	0.00
Total Potassium		1470	mg/Kg	50.0
Total Magnesium		1840	mg/Kg	50.0
Total Sodium		1370	mg/Kg	50.0
pH		8.74	s.u.	0.00
Sulfate		452	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.91	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50527 - OCD Cell #5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		44.0	mg/Kg as CaCo3	4.00
Total Alkalinity		44.0	mg/Kg as CaCo3	4.00
Total Calcium		221000	mg/Kg	50.0
Chloride		11.6	mg/Kg	1.00

continued ...

sample 50527 continued ...

Param	Flag	Result	Units	RL
Specific Conductance		289	µMHOS/cm	0.00
Total Potassium		1010	mg/Kg	50.0
Total Magnesium		2220	mg/Kg	50.0
Total Sodium		208	mg/Kg	50.0
pH		8.49	s.u.	0.00
Sulfate		73.6	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.51	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50528 - OCD Cell #6

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		56.0	mg/Kg as CaCo3	4.00
Total Alkalinity		56.0	mg/Kg as CaCo3	4.00
Total Calcium		78000	mg/Kg	50.0
Chloride		65.5	mg/Kg	1.00
Specific Conductance		1090	µMHOS/cm	0.00
Total Potassium		2780	mg/Kg	50.0
Total Magnesium		6610	mg/Kg	50.0
Total Sodium		738	mg/Kg	50.0
pH		8.29	s.u.	0.00
Sulfate		417	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.81	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50529 - OCD Cell #7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		58.0	mg/Kg as CaCo3	4.00
Total Alkalinity		58.0	mg/Kg as CaCo3	4.00
Total Calcium		88500	mg/Kg	50.0
Chloride		10.5	mg/Kg	1.00
Specific Conductance		375	µMHOS/cm	0.00
Total Potassium		2110	mg/Kg	50.0

continued ...

sample 50529 continued ...

Param	Flag	Result	Units	RL
Total Magnesium		3310	mg/Kg	50.0
Total Sodium		207	mg/Kg	50.0
pH		8.36	s.u.	0.00
Sulfate		94.2	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.51	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50530 - OCD Cell #8

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		40500	mg/Kg	50.0
Chloride		89.3	mg/Kg	1.00
Specific Conductance		1150	µMHOS/cm	0.00
Total Potassium		2920	mg/Kg	50.0
Total Magnesium		6630	mg/Kg	50.0
Total Sodium		718	mg/Kg	50.0
pH		8.24	s.u.	0.00
Sulfate		446	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.90	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50531 - OCD Cell #9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Calcium		13200	mg/Kg	50.0
Chloride		356	mg/Kg	1.00
Specific Conductance		1140	µMHOS/cm	0.00
Total Potassium		1300	mg/Kg	50.0
Total Magnesium		3080	mg/Kg	50.0
Total Sodium		218	mg/Kg	50.0

continued ...

sample 50531 continued ...

Param	Flag	Result	Units	RL
pH		8.14	s.u.	0.00
Sulfate		46.8	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		3.05	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50532 - OCD Cell #10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		5.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		90.0	mg/Kg as CaCo3	4.00
Total Alkalinity		95.0	mg/Kg as CaCo3	4.00
Total Calcium		79400	mg/Kg	50.0
Chloride		183	mg/Kg	1.00
Specific Conductance		821	µMHOS/cm	0.00
Total Potassium		2160	mg/Kg	50.0
Total Magnesium		6120	mg/Kg	50.0
Total Sodium		772	mg/Kg	50.0
pH		8.76	s.u.	0.00
Sulfate		44.8	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.77	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50533 - OCD Cell #11

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		48.0	mg/Kg as CaCo3	4.00
Total Alkalinity		48.0	mg/Kg as CaCo3	4.00
Total Calcium		124000	mg/Kg	50.0
Chloride		80.5	mg/Kg	1.00
Specific Conductance		471	µMHOS/cm	0.00
Total Potassium		1620	mg/Kg	50.0
Total Magnesium		4060	mg/Kg	50.0
Total Sodium		663	mg/Kg	50.0
pH		8.42	s.u.	0.00
Sulfate		67.1	mg/Kg	2.00

continued ...

sample 50533 continued ...

Param	Flag	Result	Units	RL
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.29	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50534 - OCD Cell #12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Calcium		41900	mg/Kg	50.0
Chloride		12.5	mg/Kg	1.00
Specific Conductance		577	µMHOS/cm	0.00
Total Potassium		2050	mg/Kg	50.0
Total Magnesium		3070	mg/Kg	50.0
Total Sodium		167	mg/Kg	50.0
pH		8.27	s.u.	0.00
Sulfate		270	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.17	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50535 - OCD Cell #13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		32700	mg/Kg	50.0
Chloride		372	mg/Kg	1.00
Specific Conductance		1330	µMHOS/cm	0.00
Total Potassium		1900	mg/Kg	50.0
Total Magnesium		3200	mg/Kg	50.0
Total Sodium		206	mg/Kg	50.0
pH		8.14	s.u.	0.00
Sulfate		58.0	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100

continued ...

sample 50535 continued ...

Param	Flag	Result	Units	RL
TCLP Barium		2.40	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50536 - OCD Cell #14

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		62.0	mg/Kg as CaCo3	4.00
Total Alkalinity		62.0	mg/Kg as CaCo3	4.00
Total Calcium		86400	mg/Kg	50.0
Chloride		46.1	mg/Kg	1.00
Specific Conductance		323	µMHOS/cm	0.00
Total Potassium		1450	mg/Kg	50.0
Total Magnesium		3380	mg/Kg	50.0
Total Sodium		365	mg/Kg	50.0
pH		8.78	s.u.	0.00
Sulfate		43.6	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.89	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50537 - OCD Cell #15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		43.0	mg/Kg as CaCo3	4.00
Total Alkalinity		43.0	mg/Kg as CaCo3	4.00
Total Calcium		8060	mg/Kg	50.0
Chloride		93.7	mg/Kg	1.00
Specific Conductance		459	µMHOS/cm	0.00
Total Potassium		1500	mg/Kg	50.0
Total Magnesium		2040	mg/Kg	50.0
Total Sodium		121	mg/Kg	50.0
pH		8.25	s.u.	0.00
Sulfate		31.5	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.33	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500

continued ...

sample 50537 continued ...

Param	Flag	Result	Units	RL
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Summary Report

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

Report Date: December 20, 2004

Work Order: 4121406

Project Location: Chaves Co.,NM, Sec 4,5,8,9, T.11.S T31E
Project Name: Gandy Marley Land Farm
Project Number: Remediated Surface Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
50512	Remediated OCD Cell #1 Surface Soil	soil	2004-12-10	14:45	2004-12-14
50513	Remediated OCD Cell #2 Surface Soil	soil	2004-12-10	15:10	2004-12-14
50514	Remediated OCD Cell #3 Surface Soil	soil	2004-12-10	15:30	2004-12-14
50515	Remediated OCD Cell #4 Surface Soil	soil	2004-12-10	16:10	2004-12-14
50516	Remediated OCD Cell #8 Surface Soil	soil	2004-12-11	10:50	2004-12-14
50517	Remediated OCD Cell #9 Surface Soil	soil	2004-12-11	11:15	2004-12-14
50518	Remediated OCD Cell #10 Surface Soil	soil	2004-12-11	11:35	2004-12-14
50519	Remediated OCD Cell #11 Surface Soil	soil	2004-12-11	11:55	2004-12-14
50520	Remediated OCD Cell #12 Surface Soil	soil	2004-12-11	12:11	2004-12-14
50521	Remediated OCD Cell #13 Surface Soil	soil	2004-12-10	12:35	2004-12-14
50522	Remediated OCD Cell #14 Surface Soil	soil	2004-12-11	12:55	2004-12-14

	BTEX				TPH 418.1
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TRPHC (mg/Kg)
50512 - Remediated OCD Cell #1 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	1600
50513 - Remediated OCD Cell #2 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	26.3
50514 - Remediated OCD Cell #3 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	78.9
50515 - Remediated OCD Cell #4 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	74.5
50516 - Remediated OCD Cell #8 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	184
50517 - Remediated OCD Cell #9 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	4050
50518 - Remediated OCD Cell #10 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	99.7
50519 - Remediated OCD Cell #11 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	<10.0
50520 - Remediated OCD Cell #12 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	27.2
50521 - Remediated OCD Cell #13 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	503
50522 - Remediated OCD Cell #14 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	242

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 was 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 changedat each sample point to avoid cross contamination. Borings were backfilled with impermeable bentonite pellets and hydrated.

Samples analyzed for TPH 418.1, BTEX 8021, major cations and anions, general chemistry characteristics, and RCRA 8 Metals. Soil Samples were collected in two 4 ounce glass jars containing no preservative

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

Appendix 2
Field Notes / Site Photographs / GPS Coordinates

Location Cindy Markey Landfarm Date 12/10/04
Project / Client Quarterly Sampling by: CMB

Page 1 of 10 By: CMB

OCD Cell #1:

Sample GPS Coordinates:
N 33° 23' 11.0"
W 103° 49' 43.0"
JPEG Photo #9 Sample depth = 53" BGS.
Sampled @ 14:25 Red clayey — No odor on stone
fine gr. sand. to med. gr. well
Sorted Sand. 2x 4oz/G/Jars/No Pres.
For. TPH 418.1, RCRA Metals,
BTEX 8021, Na, Ca, Mg, K, Cl, SO4,
CO_3, HCO_3, pH, Conductivity, TAIK alcity
(2x 4oz/Jars/G/None.
Sampled Remediated Soil Surface
OCD Cell #1 @ 14:45 For
~~Same as analysis 6 & above.~~
BTEX 8021, TPH 418.1

Location Cindy Markey Landfarm Date 12/10/04
Project / Client Quarterly Sampling By: CMB

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Page 2 of 10 By: CMB

OCD Cell #2

Sample GPS Coordinates
N 33° 23' 13.2"
W 103° 43' 43.1"
JPEG Photo #10

Sampled @ 15:02 — Red Clayey
med gr. Sand. @ 50" BGS
For TPH 418.1, RCRA Metals
Cations & Anions (2x 4oz/G/Jars/None.

Sampled Remediated Soil Surface
OCD Cell #2 @ 15:10
For BTEX 8021, TPH 418.1

Location Gandy Marley Landfarm Date 12/10/04

Project / Client Quarterly Sampling by: CMB

Page 3 of 10 By: CMB

OCD Cell #3

Sample GPS Coordinates

N 33° 23' 12.5"

W 103° 45' 44.6"

JPEG Photo # 11

Sampled @ 15:25 @ 58" BGS

Red clayey Sand No odor or staining

Med. St. Sand - clayey.

TPH 418.1, BCRA metals, Major

Cations & Anions (2x 402/6/Jars/None)

Sampled Remediated Soil Surface

OCD Cell #3 @ 15:30

For TPH 418.1, BTEX 8021

Location Gandy Marley Landfarm Date 12/10/04

Project / Client Quarterly Sampling By: CMB

Page 4 of 10 By: CMB

OCD Cell # 4

Sample GPS Coordinates

N 33° 23' 12.8"

W 103° 44' 46.9"

JPEG Photo # 12

Sampled @ 16:00 @ 48" BGS

2x 402/6/Jars/No Preservative

TPH 418.1, BCRA Metals,

Major Cations & Anions.

Sampled Remediated Soil

Surface OCD Cell # 4 @ 16:10

2x 402/6/Jars/None for

TPH 418.1, BTEX 8021

Chaves Co. N.M.
Clayton ranch Barnhill, pg
Page 5 of 10 By: CMB

OCD Cell #5

Sample GPS Coordinates
N 33° 23' 13.2"
W 103° 49' 49.3"
JPEG Photo #13
Sampled @ 0951 @ 48" BGS
2x 4oz/6/Jars/No Pres.
For TPH 418.1, RCRA metals,
Major Cations & Anions
Brown, Tan, white, Caliche med. gr.
well sorted clayey sand mixture
No odor or staining

OCD Cell #6: Sample GPS Coordinates
N 33° 23' 11.4"
W 103° 49' 50.3"
JPEG Photo #14
Sampled 10:04 @ 44" BGS
Tan to Brown clayey sand, Caliche mixture
med. gr. sand. well sorted No odor or stain
2x 4oz/6/Jars/No Preservative For
TPH 418.1, RCRA metals, Major Cations & Anions

Chaves Co. N.M. 12/11/14
Clayton Ranch Barnhill pg
Page 6 of 10 By: CMB

OCD Cell #7: Sample GPS Coordinates
N 33° 23' 13.1"
W 103° 49' 53.2"
JPEG Photo # 15
Sampled @ 10:18 @ 48" BGS
2x 4oz/6/Jars No Pres. For:
TPH 418.1, RCRA metals, Major
Cations & Anions
Brown, Tan - white, Sand/Caliche
mixture, med. gr. well sorted
clayey Sand No odor or staining

OCD Cell #8: Sample GPS Coordinates
N 33° 23' 10.6" W 103° 49' 54.2"
JPEG Photo # 16
Sampled @ 10:42 @ 48" BGS
2x 4oz/6/Jars/No Preservative For
TPH 418.1/RCRA metals/Major
Cations & Anions Brown/caliche Sand
mix, no odor or staining.
Sampled Remediated Surface Soil
@ 10:50 For TPH 418.1, BTEX 8021

Chaves Co. NM. 12/11/04
Clayton M. Bandy II, PG
Page 7 of 10 By: CMB

OCD Cell #9: Sample GPS Coordinates
N 33°23'13.6" W 103°49'57.1"
JPEG Photo #17
Sampled @ 11:08 @ 47" BGS
2x 4oz/6/Jars/No Preservative
For TPH 418.1, RCRA Metals,
Major Cations & Anions.
Tan brown clayey sand, minor
caliche, med. gr. well sorted sand.
No odor or staining
Sampled OCD Cell # 9 Remediated
Soil Surface @ 11:15 hrs. for
TPH 418.1, BTEX 8021

OCD Cell #10: Sample GPS Coordinates
N 33°23'10.4" W 103°49'58.1"
JPEG Photo #18 Sampled @ 11:28 @ 48" BGS
2x 4oz/6/Jars No Pres. For TPH 418.1
RCRA 8 Metals, Major Cations & Anions
Tan brown caliche med gr. sand mix. No odor or stain.
Sampled OCD Cell #10 Remediated
Surface @ 11:35 For TPH 418.1
BTEX 8021

Chaves Co., N.M. 12/11/04
Clayton M. Bandy II, PG
Page 8 of 10 By: CMB

OCD Cell #11: Sample GPS Coordinates
N 33°23'13.0" W 103°50'00.9"
JPEG Photo #19
Sampled @ 11:50 @ 52" BGS
2x 4oz/6/Jars/No Pres. For
TPH 418.1, RCRA 8 Metals
Major Cations & Anions
Sampled OCD Cell #11 Remediated
Soil Surface @ 11:55 hrs
For TPH 418.1 BTEX 8021

OCD Cell #12: Sample GPS Coordinates
N 33°23'10.1" W 103°50'02.4"
JPEG Photo #20
Sampled @ 12:07 @ 68" BGS
2x 4oz/6/Jars/No Preservative
For TPH 418.1, RCRA 8 Metals, Major
Cations & Anions Brown clayey sand
Med gr. well sorted No odor or staining
Sampled OCD Cell #12 Remediated
Surface @ 12:11 For TPH 418.1 BTEX 8021

Chaves Co. NM 12/11/04
Clayton M Barnhill, PE

Page 9 of 10 By: CMB

OCD Cell #13: GPS Coordinates of Sample
N 33°23'12.6" W 103° 50' 05.6"
JPEC Photo #21
Sampled @ 12:28 @ 48" " BGS
2x 4oz/6/Jars/No Pres. For TPH
RCRA Metals, Major Cations & Anions
Reddish brown med gr. well sorted clayey
Sand, No odor or staining
Sampled remediated Surface @
12:35 hour for TPH 418.1 & BTEX 8021

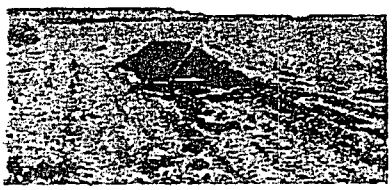
OCD Cell #14: GPS Coordinates of Sample
N 33°23'10.6" W 103° 50' 07.7"
JPEC Photo #22 Sampled @ 12:50 @ 50" BGS
2 x 4oz/6/Jars/No Preservative For
TPH, RCRA Metals, Major Cations &
Anions: Tan, brown, white, Sand/caliche
mixture. Med. gr. well sorted Sand. No odor or staining
Sampled Remediated Surface
@ 12:55 FOR TPH, 418.1 BTEX 8021

Chaves Co NM 12/11/04
Clayton M Barnhill, PE

Page 10 of 10 By: CMB

OCD Cell #15: GPS Coordinates of Sample
N 33°23'13.1" W 103°50'10.7"
JPEC Photo: #23
Sampled @ 13:25 @ 48" BGS
2 x 4oz/6/Jars/No Preservative
For TPH, RCRA Metals, Major Cations
& Anions Red med gr. well sorted
Sand. No odor or staining.

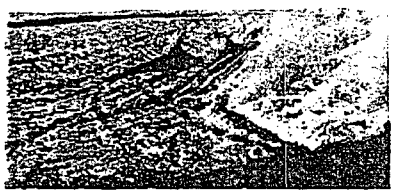
Gandy Marley Landfarm (NM-711-1-0020)
SW/4 of Section 4, SE/4of Section 5, NE/4 of Section 8 and the NW/4 of Section 9,
Township 11 South, Range 31 East, NMPM Chaves County, New Mexico



OCD Cell #1 Sample
N 33° 23' 11.0"
W 103° 49' 43.0"

OCD Cell #2 Sample
N 33° 23' 13.2"
W 103° 49' 43.0"

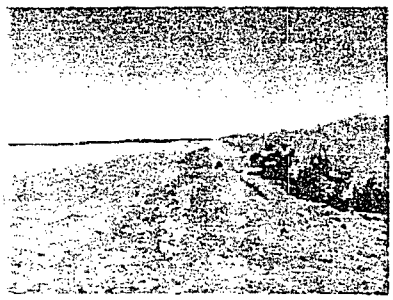
OCD Cell # 3 Sample
N 33° 23' 12.5"
W 103° 45' 44.6"



OCD Cell # 4 Sample
N 33° 23' 12.8"
W 103° 49' 46.9"

OCD Cell # 5 Sample
N 33° 23' 13.2"
W 103° 49' 49.3"

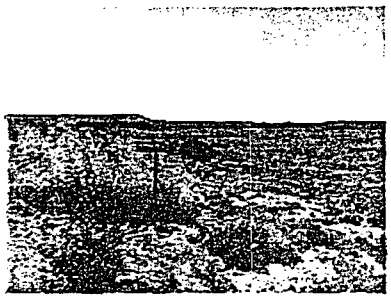
OCD Cell # 6 Sample
N 33° 23' 11.4"
W 103° 49' 50.3"



OCD Cell # 7 Sample
N 33° 23' 13.1"
W 103° 49' 53.2"

OCD Cell # 8 Sample
N 33° 23' 10.6"
W 103° 49' 54.2"

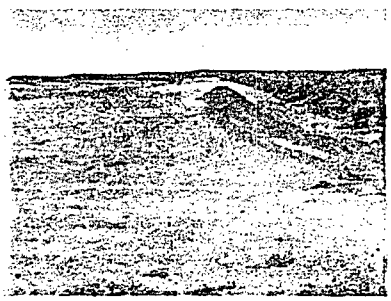
OCD Cell # 9 Sample
N 33° 23' 13.6"
W 103° 49' 57.1"



OCD Cell # 10 Sample
N 33° 23' 10.4"
W 103° 49' 58.1"

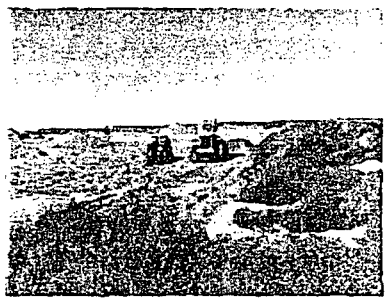
OCD Cell # 11 Sample
N 33° 23' 13.0"
W 103° 50' 00.9"

OCD Cell # 12 Sample
N 33° 23' 10.1"
W 103° 50' 02.4"



OCD Cell # 13 Sample
N 33° 23' 12.6"
W 103° 50' 05.6"

OCD Cell # 14 Sample
N 33° 23' 10.6"
W 103° 50' 07.7"



OCD Cell # 15 Sample
N 33° 23' 13.1"
W 103° 50' 10.7"

Appendix 3
Laboratory Reports

Summary Report

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

Report Date: December 20, 2004

Work Order: 4121406

Project Location: Chaves Co.,NM, Sec 4,5,8,9, T.11.S T31E
Project Name: Gandy Marley Land Farm
Project Number: Remediated Surface Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
50512	Remediated OCD Cell #1 Surface Soil	soil	2004-12-10	14:45	2004-12-14
50513	Remediated OCD Cell #2 Surface Soil	soil	2004-12-10	15:10	2004-12-14
50514	Remediated OCD Cell #3 Surface Soil	soil	2004-12-10	15:30	2004-12-14
50515	Remediated OCD Cell #4 Surface Soil	soil	2004-12-10	16:10	2004-12-14
50516	Remediated OCD Cell #8 Surface Soil	soil	2004-12-11	10:50	2004-12-14
50517	Remediated OCD Cell #9 Surface Soil	soil	2004-12-11	11:15	2004-12-14
50518	Remediated OCD Cell #10 Surface Soil	soil	2004-12-11	11:35	2004-12-14
50519	Remediated OCD Cell #11 Surface Soil	soil	2004-12-11	11:55	2004-12-14
50520	Remediated OCD Cell #12 Surface Soil	soil	2004-12-11	12:11	2004-12-14
50521	Remediated OCD Cell #13 Surface Soil	soil	2004-12-10	12:35	2004-12-14
50522	Remediated OCD Cell #14 Surface Soil	soil	2004-12-11	12:55	2004-12-14

	BTEX				TPH 418.1
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TRPHC (mg/Kg)
50512 - Remediated OCD Cell #1 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	1600
50513 - Remediated OCD Cell #2 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	26.3
50514 - Remediated OCD Cell #3 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	78.9
50515 - Remediated OCD Cell #4 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	74.5
50516 - Remediated OCD Cell #8 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	184
50517 - Remediated OCD Cell #9 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	4050
50518 - Remediated OCD Cell #10 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	99.7
50519 - Remediated OCD Cell #11 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	<10.0
50520 - Remediated OCD Cell #12 Surface Soil	<0.0100	<0.0100	<0.0100	<0.0100	27.2
50521 - Remediated OCD Cell #13 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	503
50522 - Remediated OCD Cell #14 Surface Soil	<0.0500	<0.0500	<0.0500	<0.0500	242

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: December 20, 2004

Work Order: 4121406

Project Location: Chaves Co.,NM, Sec 4,5,8,9, T.11.S T31E
Project Name: Gandy Marley Land Farm
Project Number: Remediated Surface 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
50512	Remediated OCD Cell #1 Surface Soil	soil	2004-12-10	14:45	2004-12-14
50513	Remediated OCD Cell #2 Surface Soil	soil	2004-12-10	15:10	2004-12-14
50514	Remediated OCD Cell #3 Surface Soil	soil	2004-12-10	15:30	2004-12-14
50515	Remediated OCD Cell #4 Surface Soil	soil	2004-12-10	16:10	2004-12-14
50516	Remediated OCD Cell #8 Surface Soil	soil	2004-12-11	10:50	2004-12-14
50517	Remediated OCD Cell #9 Surface Soil	soil	2004-12-11	11:15	2004-12-14
50518	Remediated OCD Cell #10 Surface Soil	soil	2004-12-11	11:35	2004-12-14
50519	Remediated OCD Cell #11 Surface Soil	soil	2004-12-11	11:55	2004-12-14
50520	Remediated OCD Cell #12 Surface Soil	soil	2004-12-11	12:11	2004-12-14
50521	Remediated OCD Cell #13 Surface Soil	soil	2004-12-10	12:35	2004-12-14
50522	Remediated OCD Cell #14 Surface Soil	soil	2004-12-11	12:55	2004-12-14

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

Dr. Blair Leftwich, Director

Analytical Report

Sample: 50512 - Remediated OCD Cell #1 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14737	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13023	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100
Xylene		<0.0100		mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.765	mg/Kg	10	0.100	76	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.877	mg/Kg	10	0.100	88	63.1 - 105

Sample: 50512 - Remediated OCD Cell #1 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
TRPHC		1600		mg/Kg	1	10.0

Sample: 50513 - Remediated OCD Cell #2 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14737	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13023	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100
Xylene		<0.0100		mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.846	mg/Kg	10	0.100	84	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.850	mg/Kg	10	0.100	85	63.1 - 105

Sample: 50513 - Remediated OCD Cell #2 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A

QC Batch: 14682 | Date Analyzed: 2004-12-16 | Analyzed By: DS
Prep Batch: 12974 | Date Prepared: 2004-12-16 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
TRPHC		26.3	mg/Kg	1	10.0

Sample: 50514 - Remediated OCD Cell #3 Surface Soil

Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 14737 | Date Analyzed: 2004-12-17 | Analyzed By: MS
Prep Batch: 13023 | Date Prepared: 2004-12-17 | Prepared By: MS

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene	[1]	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		<0.0500	mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[2]	0.870	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[3]	0.884	mg/Kg	50	0.100	18	63.1 - 105

Sample: 50514 - Remediated OCD Cell #3 Surface Soil

Analysis: TPH 418.1 | Analytical Method: E 418.1 | Prep Method: N/A
QC Batch: 14682 | Date Analyzed: 2004-12-16 | Analyzed By: DS
Prep Batch: 12974 | Date Prepared: 2004-12-16 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
TRPHC		78.9	mg/Kg	1	10.0

Sample: 50515 - Remediated OCD Cell #4 Surface Soil

Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 14737 | Date Analyzed: 2004-12-17 | Analyzed By: MS
Prep Batch: 13023 | Date Prepared: 2004-12-17 | Prepared By: MS

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene	[4]	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		<0.0500	mg/Kg	50	0.00100

[1]Sample diluted due to surfactant content.
[2]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[3]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[4]Sample diluted due to surfactant content.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[5]	0.853	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[6]	0.855	mg/Kg	50	0.100	17	63.1 - 105

Sample: 50515 - Remediated OCD Cell #4 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		74.5	mg/Kg	1	10.0

Sample: 50516 - Remediated OCD Cell #8 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14737	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13023	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	[7]	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		<0.0500	mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[8]	0.867	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[9]	0.856	mg/Kg	50	0.100	17	63.1 - 105

Sample: 50516 - Remediated OCD Cell #8 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		184	mg/Kg	1	10.0

Sample: 50517 - Remediated OCD Cell #9 Surface Soil

[5]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[6]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[7]Sample diluted due to surfactant content.
[8]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[9]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14737	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13023	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene	[10]	<0.0500		mg/Kg	50	0.00100
Toluene		<0.0500		mg/Kg	50	0.00100
Ethylbenzene		<0.0500		mg/Kg	50	0.00100
Xylene		<0.0500		mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[11]	0.844	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[12]	0.791	mg/Kg	50	0.100	16	63.1 - 105

Sample: 50517 - Remediated OCD Cell #9 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
TRPHC		4050		mg/Kg	10	10.0

Sample: 50518 - Remediated OCD Cell #10 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14737	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13023	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene	[13]	<0.0500		mg/Kg	50	0.00100
Toluene		<0.0500		mg/Kg	50	0.00100
Ethylbenzene		<0.0500		mg/Kg	50	0.00100
Xylene		<0.0500		mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[14]	0.854	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[15]	0.859	mg/Kg	50	0.100	17	63.1 - 105

Sample: 50518 - Remediated OCD Cell #10 Surface Soil

[10]Sample diluted due to surfactant content.
[11]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[12]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[13]Sample diluted due to surfactant content.
[14]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[15]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
TRPHC		99.7		mg/Kg	1	10.0

Sample: 50519 - Remediated OCD Cell #11 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene	[16]	<0.0500		mg/Kg	50	0.00100
Toluene		<0.0500		mg/Kg	50	0.00100
Ethylbenzene		<0.0500		mg/Kg	50	0.00100
Xylene		<0.0500		mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[17]	0.835	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[18]	0.845	mg/Kg	50	0.100	17	63.1 - 105

Sample: 50519 - Remediated OCD Cell #11 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50520 - Remediated OCD Cell #12 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100

continued ...

[16]Sample diluted due to surfactant content.
[17]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[18]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.

sample 50520 continued...

Parameter	Flag	Result	RL	Units	Dilution	RL
Xylene		<0.0100		mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.787	mg/Kg	10	0.100	79	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.773	mg/Kg	10	0.100	77	63.1 - 105

Sample: 50520 - Remediated OCD Cell #12 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
TRPHC		27.2		mg/Kg	1	10.0

Sample: 50521 - Remediated OCD Cell #13 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene	[19]	<0.0500		mg/Kg	50	0.00100
Toluene		<0.0500		mg/Kg	50	0.00100
Ethylbenzene		<0.0500		mg/Kg	50	0.00100
Xylene		<0.0500		mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[20]	0.875	mg/Kg	50	0.100	18	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[21]	0.882	mg/Kg	50	0.100	18	63.1 - 105

Sample: 50521 - Remediated OCD Cell #13 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

continued...

[19]Sample diluted due to surfactant content.
[20]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[21]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.

sample 50521 continued...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		503	mg/Kg	1	10.0

Sample: 50522 - Remediated OCD Cell #14 Surface Soil

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	[22]	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		<0.0500	mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[23]	0.840	mg/Kg	50	0.100	17	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[24]	0.843	mg/Kg	50	0.100	17	63.1 - 105

Sample: 50522 - Remediated OCD Cell #14 Surface Soil

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
TRPHC		242	mg/Kg	1	10.0

Method Blank (1) QC Batch: 14682

Parameter	Flag	Result	Units	RL
TRPHC		<10.0	mg/Kg	10

Method Blank (1) QC Batch: 14737

[22]Sample diluted due to surfactant content.
[23]Low TFT surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.
[24]Low BFB surrogate recovery due to matrix interference. ICV/CCV surrogate recovery shows the method to be in control.

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.940	mg/Kg	10	0.100	94	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.699	mg/Kg	10	0.100	70	36.6 - 112

Method Blank (1) QC Batch: 14739

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.931	mg/Kg	10	0.100	93	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.693	mg/Kg	10	0.100	69	36.6 - 112

Laboratory Control Spike (LCS-1) QC Batch: 14682

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	253	255	mg/Kg	1	250	<7.12	101	1	74 - 122	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: 14737

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.936	0.945	mg/Kg	10	0.100	<0.0333	94	1	79.8 - 114	9.4
Toluene	0.918	0.933	mg/Kg	10	0.100	<0.0353	92	2	79.7 - 115	7.5
Ethylbenzene	0.958	0.975	mg/Kg	10	0.100	<0.0339	96	2	78.7 - 116	8
Xylene	2.70	2.76	mg/Kg	10	0.300	<0.103	90	2	78.7 - 118	7.9

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.987	0.915	mg/Kg	10	0.100	99	92	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.932	0.889	mg/Kg	10	0.100	93	89	72.2 - 111

Laboratory Control Spike (LCS-1) QC Batch: 14739

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.990	0.964	mg/Kg	10	0.100	<0.0333	99	3	79.8 - 114	9.4
Toluene	0.967	0.942	mg/Kg	10	0.100	<0.0353	97	3	79.7 - 115	7.5
Ethylbenzene	0.996	0.975	mg/Kg	10	0.100	<0.0339	100	2	78.7 - 116	8
Xylene	2.81	2.74	mg/Kg	10	0.300	<0.103	94	2	78.7 - 118	7.9

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.986	0.948	mg/Kg	10	0.100	99	95	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.961	0.932	mg/Kg	10	0.100	96	93	72.2 - 111

Matrix Spike (MS-1) QC Batch: 14682 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	175	176	mg/Kg	1	250	<7.12	70	0	50 - 142	20

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

Matrix Spike (MS-1) QC Batch: 14739 Spiked Sample: 50511

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	[25][26]	0.752	0.744	mg/Kg	10	0.100	0.254	50	1	63.5 - 98.6	12
Toluene	[27][28]	0.783	0.763	mg/Kg	10	0.100	0.281	50	2	65.8 - 102	11.4
Ethylbenzene	[29][30]	0.854	0.842	mg/Kg	10	0.100	0.368	49	1	66.6 - 106	10.5
Xylene	[31][32]	2.42	2.39	mg/Kg	10	0.300	1.04	46	1	67.4 - 108	10.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.796	0.784	mg/Kg	10	0.1	80	78	60.1 - 104
4-Bromofluorobenzene (4-BFB)	0.851	0.840	mg/Kg	10	0.1	85	84	63.1 - 105

Standard (ICV-1) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.3	91	80 - 120	2004-12-16

Standard (CCV-1) QC Batch: 14682

[25]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[26]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[27]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[28]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[29]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[30]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[31]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[32]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.5	92	80 - 120	2004-12-16

Standard (CCV-2) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.2	91	80 - 120	2004-12-16

Standard (CCV-1) QC Batch: 14737

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0948	95	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0938	94	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0981	98	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-17

Standard (CCV-2) QC Batch: 14737

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0980	98	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0957	96	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0989	99	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.279	93	85 - 115	2004-12-17

Standard (ICV-1) QC Batch: 14739

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0982	98	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0959	96	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0990	99	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-17

Standard (CCV-1) QC Batch: 14739

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0971	97	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0952	95	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0986	99	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-17

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4121406

Company Name: Gandy Marley Inc.
Phone #: 505-347-0434
Address: (Street, City, Zip) PO Box 1658 Roswell NM 88202-1658
Fax #: 505-347-0435
Contact Person: Mike Marley or Larry Gandy
Invoice to: (If different from above)
Project #: Remediated Surface Soil Sampling
Project Name: Gandy Marley Land Farm
Project Location: Chaves Co. N.M. Sec 4,5,8,9 T.11.S R31E.
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.): MTBE 8021B/602; BTEX 8021B/602; TPH 418.1/TX1005; 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; Turn Around Time if different from standard; Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	Matrix: WATER	SOIL	AIR	SLUDGE	Preservative: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	Sampling: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	Other analyses / Hold
50512	OCD Cell #1 Remediated Surface Soil	2	4oz		X								X	12/10/04	1445		X	X	
13	OCD Cell #2 Remediated Surface Soil	2	4oz		X								X	12/10/04	1510		X	X	
14	OCD Cell #3 Remediated Surface Soil	2	4oz		X								X	12/10/04	1530		X	X	
15	OCD Cell #4 Remediated Surface Soil	2	4oz		X								X	12/10/04	1615		X	X	
16	OCD Cell #8 Remediated Surface Soil	2	4oz		X								X	12/11/04	1050		X	X	
17	OCD Cell #9 Remediated Surface Soil	2	4oz		X								X	12/11/04	1115		X	X	
18	OCD Cell #10 Remediated Surface Soil	2	4oz		X								X	12/11/04	1135		X	X	
19	OCD Cell #11 Remediated Surface Soil	2	4oz		X								X	12/11/04	1155		X	X	
20	OCD Cell #12 Remediated Surface Soil	2	4oz		X								X	12/11/04	1211		X	X	
21	OCD Cell #13 Remediated Surface Soil	2	4oz		X								X	12/11/04	1235		X	X	
22	OCD Cell #14 Remediated Surface Soil	2	4oz		X								X	12/11/04	1255		X	X	

Relinquished by: [signature] Date: 12/13/04 Time: 10:41
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: [signature] Date: 12-14-04 Time: 10:18

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 3°C
Log-in Review MA

REMARKS: Bill Gandy Marley directly for Analysis Costs. Please send copy of Results to OCD PO Box 2304 Roswell, NM 88202-2304 or email @ Cabeuvilie@state.nm

☐ Check If Special Reporting Limits Are Needed

Carrier # FedEx 903-293-0236

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #: 412140 C

Company Name: Gandy Marley Inc. Phone #: 505-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202-1658 Fax #: 505-347-0435

Contact Person: Mike Marley or Larry Gandy

Invoice to: (If different from above)

Project #: Remediated Surface Soil Sampling Project Name: Gandy Marley Landfarm

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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
50512	OCD Cell #1 Remediated Surface Soil	2	4oz		X								X	12/10/04	1445
13	OCD Cell #2 Remediated Surface Soil	2	4oz		X								X	12/10/04	1510
14	OCD Cell #3 Remediated Surface Soil	2	4oz		X								X	12/10/04	1530
15	OCD Cell #4 Remediated Surface Soil	2	4oz		X								X	12/10/04	1610
16	OCD Cell #8 Remediated Surface Soil	2	4oz		X								X	12/11/04	1050
17	OCD Cell #9 Remediated Surface Soil	2	4oz		X								X	12/11/04	1115
18	OCD Cell #10 Remediated Surface Soil	2	4oz		X								X	12/11/04	1135
19	OCD Cell #11 Remediated Surface Soil	2	4oz		X								X	12/11/04	1155
20	OCD Cell #12 Remediated Surface Soil	2	4oz		X								X	12/11/04	1211
21	OCD Cell #13 Remediated Surface Soil	2	4oz		X								X	12/11/04	1235
22	OCD Cell #14 Remediated Surface Soil	2	4oz		X								X	12/11/04	1255

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Chris Burchill, PG	12/13/04	10:41			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				12/14/04	10:18

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

ORIGINAL COPY

LAB USE ONLY

Intact: (Y) N
Headspace: Y / N
Temp: 3.2 °
Log-in Review: MA

REMARKS: Bill Gandy Marley directly for Analysis Costs. Please send Copy of Results to CMB PO Box 2304 Roswell, NM 88202-2304 or email@cmbenvironmental.com

☐ Check If Special Reporting Limits Are Needed

12/20 fax

Carrier # FEDEX 993-293-0236

Summary Report

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

Report Date: December 30, 2004

Work Order: 4121407

Project Location: Sec4,Sec5,Sec8,Sec9 T.11.SR.31E
Project Name: Gandy Marley Land Farm
Project Number: Annual Sampling (NM-711-1-0020)

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
50523	OCD Cell #1	soil	2004-12-10	14:25	2004-12-14
50524	OCD Cell #2	soil	2004-12-10	15:02	2004-12-14
50525	OCD Cell #3	soil	2004-12-10	15:25	2004-12-14
50526	OCD Cell #4	soil	2004-12-10	16:00	2004-12-14
50527	OCD Cell #5	soil	2004-12-11	09:51	2004-12-14
50528	OCD Cell #6	soil	2004-12-11	10:04	2004-12-14
50529	OCD Cell #7	soil	2004-12-11	10:18	2004-12-14
50530	OCD Cell #8	soil	2004-12-11	10:42	2004-12-14
50531	OCD Cell #9	soil	2004-12-11	11:08	2004-12-14
50532	OCD Cell #10	soil	2004-12-11	11:28	2004-12-14
50533	OCD Cell #11	soil	2004-12-11	11:35	2004-12-14
50534	OCD Cell #12	soil	2004-12-11	12:07	2004-12-14
50535	OCD Cell #13	soil	2004-12-11	12:28	2004-12-14
50536	OCD Cell #14	soil	2004-12-11	12:50	2004-12-14
50537	OCD Cell #15	soil	2004-12-11	13:25	2004-12-14

	BTEX				TPH 418.1
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TRPHC (mg/Kg)
50523 - OCD Cell #1	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50524 - OCD Cell #2	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50525 - OCD Cell #3	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50526 - OCD Cell #4	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50527 - OCD Cell #5	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50528 - OCD Cell #6	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50529 - OCD Cell #7	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50530 - OCD Cell #8	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50531 - OCD Cell #9	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50532 - OCD Cell #10	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50533 - OCD Cell #11	<0.0100	<0.0100	<0.0100	0.0106	<10.0
50534 - OCD Cell #12	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50535 - OCD Cell #13	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50536 - OCD Cell #14	<0.0100	<0.0100	<0.0100	<0.0100	<10.0
50537 - OCD Cell #15	<0.0100	<0.0100	<0.0100	<0.0100	<10.0

Sample: 50523 - OCD Cell #1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Alkalinity		60.0	mg/Kg as CaCo3	4.00
Total Calcium		98200	mg/Kg	50.0
Chloride		33.4	mg/Kg	1.00
Specific Conductance		732	µMHOS/cm	0.00
Total Potassium		2360	mg/Kg	50.0
Total Magnesium		4130	mg/Kg	50.0
Total Sodium		487	mg/Kg	50.0
pH		8.37	s.u.	0.00
Sulfate		217	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.26	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50524 - OCD Cell #2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Alkalinity		80.0	mg/Kg as CaCo3	4.00
Total Calcium		13500	mg/Kg	50.0
Chloride		28.0	mg/Kg	1.00
Specific Conductance		568	µMHOS/cm	0.00
Total Potassium		2810	mg/Kg	50.0
Total Magnesium		3630	mg/Kg	50.0
Total Sodium		762	mg/Kg	50.0
pH		8.50	s.u.	0.00
Sulfate		85.7	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.18	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50525 - OCD Cell #3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		46.0	mg/Kg as CaCo3	4.00
Total Alkalinity		46.0	mg/Kg as CaCo3	4.00

continued ...

sample 50525 continued ...

Param	Flag	Result	Units	RL
Total Calcium		6300	mg/Kg	50.0
Chloride		29.0	mg/Kg	1.00
Specific Conductance		898	µMHOS/cm	0.00
Total Potassium		1900	mg/Kg	50.0
Total Magnesium		2830	mg/Kg	50.0
Total Sodium		158	mg/Kg	50.0
pH		8.24	s.u.	0.00
Sulfate		359	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.67	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50526 - OCD Cell #4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		154	mg/Kg as CaCo3	4.00
Total Alkalinity		154	mg/Kg as CaCo3	4.00
Total Calcium		42500	mg/Kg	50.0
Chloride		372	mg/Kg	1.00
Specific Conductance		1920	µMHOS/cm	0.00
Total Potassium		1470	mg/Kg	50.0
Total Magnesium		1840	mg/Kg	50.0
Total Sodium		1370	mg/Kg	50.0
pH		8.74	s.u.	0.00
Sulfate		452	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.91	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50527 - OCD Cell #5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		44.0	mg/Kg as CaCo3	4.00
Total Alkalinity		44.0	mg/Kg as CaCo3	4.00
Total Calcium		221000	mg/Kg	50.0
Chloride		11.6	mg/Kg	1.00

continued ...

sample 50527 continued ...

Param	Flag	Result	Units	RL
Specific Conductance		289	µMHOS/cm	0.00
Total Potassium		1010	mg/Kg	50.0
Total Magnesium		2220	mg/Kg	50.0
Total Sodium		208	mg/Kg	50.0
pH		8.49	s.u.	0.00
Sulfate		73.6	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.51	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50528 - OCD Cell #6

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		56.0	mg/Kg as CaCo3	4.00
Total Alkalinity		56.0	mg/Kg as CaCo3	4.00
Total Calcium		78000	mg/Kg	50.0
Chloride		65.5	mg/Kg	1.00
Specific Conductance		1090	µMHOS/cm	0.00
Total Potassium		2780	mg/Kg	50.0
Total Magnesium		6610	mg/Kg	50.0
Total Sodium		738	mg/Kg	50.0
pH		8.29	s.u.	0.00
Sulfate		417	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.81	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50529 - OCD Cell #7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		58.0	mg/Kg as CaCo3	4.00
Total Alkalinity		58.0	mg/Kg as CaCo3	4.00
Total Calcium		88500	mg/Kg	50.0
Chloride		10.5	mg/Kg	1.00
Specific Conductance		375	µMHOS/cm	0.00
Total Potassium		2110	mg/Kg	50.0

continued ...

sample 50529 continued ...

Param	Flag	Result	Units	RL
Total Magnesium		3310	mg/Kg	50.0
Total Sodium		207	mg/Kg	50.0
pH		8.36	s.u.	0.00
Sulfate		94.2	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.51	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50530 - OCD Cell #8

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		40500	mg/Kg	50.0
Chloride		89.3	mg/Kg	1.00
Specific Conductance		1150	µMHOS/cm	0.00
Total Potassium		2920	mg/Kg	50.0
Total Magnesium		6630	mg/Kg	50.0
Total Sodium		718	mg/Kg	50.0
pH		8.24	s.u.	0.00
Sulfate		446	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		1.90	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50531 - OCD Cell #9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Alkalinity		53.3	mg/Kg as CaCo3	4.00
Total Calcium		13200	mg/Kg	50.0
Chloride		356	mg/Kg	1.00
Specific Conductance		1140	µMHOS/cm	0.00
Total Potassium		1300	mg/Kg	50.0
Total Magnesium		3080	mg/Kg	50.0
Total Sodium		218	mg/Kg	50.0

continued ...

sample 50531 continued ...

Param	Flag	Result	Units	RL
pH		8.14	s.u.	0.00
Sulfate		46.8	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		3.05	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50532 - OCD Cell #10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		5.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		90.0	mg/Kg as CaCo3	4.00
Total Alkalinity		95.0	mg/Kg as CaCo3	4.00
Total Calcium		79400	mg/Kg	50.0
Chloride		183	mg/Kg	1.00
Specific Conductance		821	µMHOS/cm	0.00
Total Potassium		2160	mg/Kg	50.0
Total Magnesium		6120	mg/Kg	50.0
Total Sodium		772	mg/Kg	50.0
pH		8.76	s.u.	0.00
Sulfate		44.8	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.77	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50533 - OCD Cell #11

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		48.0	mg/Kg as CaCo3	4.00
Total Alkalinity		48.0	mg/Kg as CaCo3	4.00
Total Calcium		124000	mg/Kg	50.0
Chloride		80.5	mg/Kg	1.00
Specific Conductance		471	µMHOS/cm	0.00
Total Potassium		1620	mg/Kg	50.0
Total Magnesium		4060	mg/Kg	50.0
Total Sodium		663	mg/Kg	50.0
pH		8.42	s.u.	0.00
Sulfate		67.1	mg/Kg	2.00

continued ...

sample 50533 continued ...

Param	Flag	Result	Units	RL
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.29	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50534 - OCD Cell #12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Alkalinity		55.0	mg/Kg as CaCo3	4.00
Total Calcium		41900	mg/Kg	50.0
Chloride		12.5	mg/Kg	1.00
Specific Conductance		577	µMHOS/cm	0.00
Total Potassium		2050	mg/Kg	50.0
Total Magnesium		3070	mg/Kg	50.0
Total Sodium		167	mg/Kg	50.0
pH		8.27	s.u.	0.00
Sulfate		270	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.17	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50535 - OCD Cell #13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Alkalinity		50.0	mg/Kg as CaCo3	4.00
Total Calcium		32700	mg/Kg	50.0
Chloride		372	mg/Kg	1.00
Specific Conductance		1330	µMHOS/cm	0.00
Total Potassium		1900	mg/Kg	50.0
Total Magnesium		3200	mg/Kg	50.0
Total Sodium		206	mg/Kg	50.0
pH		8.14	s.u.	0.00
Sulfate		58.0	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100

continued ...

sample 50535 continued ...

Param	Flag	Result	Units	RL
TCLP Barium		2.40	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50536 - OCD Cell #14

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		62.0	mg/Kg as CaCo3	4.00
Total Alkalinity		62.0	mg/Kg as CaCo3	4.00
Total Calcium		86400	mg/Kg	50.0
Chloride		46.1	mg/Kg	1.00
Specific Conductance		323	µMHOS/cm	0.00
Total Potassium		1450	mg/Kg	50.0
Total Magnesium		3380	mg/Kg	50.0
Total Sodium		365	mg/Kg	50.0
pH		8.78	s.u.	0.00
Sulfate		43.6	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.89	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 50537 - OCD Cell #15

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1.00
Bicarbonate Alkalinity		43.0	mg/Kg as CaCo3	4.00
Total Alkalinity		43.0	mg/Kg as CaCo3	4.00
Total Calcium		8060	mg/Kg	50.0
Chloride		93.7	mg/Kg	1.00
Specific Conductance		489	µMHOS/cm	0.00
Total Potassium		1800	mg/Kg	50.0
Total Magnesium		2040	mg/Kg	50.0
Total Sodium		121	mg/Kg	50.0
pH		8.25	s.u.	0.00
Sulfate		31.5	mg/Kg	2.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		2.33	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500

continued ...

sample 50537 continued ...

Param	Flag	Result	Units	RL
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.0100	mg/L	0.0100
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: December 30, 2004

Work Order: 4121407

Project Location: Sec4,Sec5,Sec8,Sec9 T.11.SR.31E
Project Name: Gandy Marley Land Farm
Project Number: Annual Sampling (NM-711-1-0020)

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
50523	OCD Cell #1	soil	2004-12-10	14:25	2004-12-14
50524	OCD Cell #2	soil	2004-12-10	15:02	2004-12-14
50525	OCD Cell #3	soil	2004-12-10	15:25	2004-12-14
50526	OCD Cell #4	soil	2004-12-10	16:00	2004-12-14
50527	OCD Cell #5	soil	2004-12-11	09:51	2004-12-14
50528	OCD Cell #6	soil	2004-12-11	10:04	2004-12-14
50529	OCD Cell #7	soil	2004-12-11	10:18	2004-12-14
50530	OCD Cell #8	soil	2004-12-11	10:42	2004-12-14
50531	OCD Cell #9	soil	2004-12-11	11:08	2004-12-14
50532	OCD Cell #10	soil	2004-12-11	11:28	2004-12-14
50533	OCD Cell #11	soil	2004-12-11	11:35	2004-12-14
50534	OCD Cell #12	soil	2004-12-11	12:07	2004-12-14
50535	OCD Cell #13	soil	2004-12-11	12:28	2004-12-14
50536	OCD Cell #14	soil	2004-12-11	12:50	2004-12-14
50537	OCD Cell #15	soil	2004-12-11	13:25	2004-12-14

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

Dr. Blair Leftwich, Director

Analytical Report

Sample: 50523 - OCD Cell #1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

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

Sample: 50523 - OCD Cell #1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.834	mg/Kg	10	0.100	83	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.842	mg/Kg	10	0.100	84	63.1 - 105

Sample: 50523 - OCD Cell #1

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		98200	mg/Kg	100	50.0

Sample: 50523 - OCD Cell #1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

continued...

sample 50523 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		33.4	mg/Kg	5	1.00

Sample: 50523 - OCD Cell #1

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14901	Date Analyzed:	2004-12-22	Analyzed By:	RS
Prep Batch:	13154	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		732	µMHOS/cm	1	0.00

Sample: 50523 - OCD Cell #1

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2360	mg/Kg	1	50.0

Sample: 50523 - OCD Cell #1

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		4130	mg/Kg	1	50.0

Sample: 50523 - OCD Cell #1

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		487	mg/Kg	1	50.0

Sample: 50523 - OCD Cell #1

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14904	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13151	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		8.37		s.u.	1	0.00

Sample: 50523 - OCD Cell #1

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		217		mg/Kg	5	2.00

Sample: 50523 - OCD Cell #1

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15030	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.26		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50523 - OCD Cell #1

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50524 - OCD Cell #2

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

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

Sample: 50524 - OCD Cell #2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.799	mg/Kg	10	0.100	80	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.820	mg/Kg	10	0.100	82	63.1 - 105

Sample: 50524 - OCD Cell #2

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		13500	mg/Kg	10	50.0

Sample: 50524 - OCD Cell #2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		28.0	mg/Kg	5	1.00

Sample: 50524 - OCD Cell #2

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14901	Date Analyzed:	2004-12-22	Analyzed By:	RS
Prep Batch:	13154	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Specific Conductance		568	µMHOS/cm	1	0.00

Sample: 50524 - OCD Cell #2

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Potassium		2810	mg/Kg	10	50.0

Sample: 50524 - OCD Cell #2

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		3630	mg/Kg	10	50.0

Sample: 50524 - OCD Cell #2

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		762	mg/Kg	10	50.0

Sample: 50524 - OCD Cell #2

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14904	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13151	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
pH		8.50	s.u.	1	0.00

Sample: 50524 - OCD Cell #2

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		85.7		mg/Kg	5	2.00

Sample: 50524 - OCD Cell #2

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15030	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.18		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50524 - OCD Cell #2

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50525 - OCD Cell #3

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		46.0		mg/Kg as CaCo3	1	4.00

continued ...

sample 50525 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Total Alkalinity		46.0	mg/Kg as CaCo3	1	4.00

Sample: 50525 - OCD Cell #3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.799	mg/Kg	10	0.100	80	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.802	mg/Kg	10	0.100	80	63.1 - 105

Sample: 50525 - OCD Cell #3

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		6300	mg/Kg	10	50.0

Sample: 50525 - OCD Cell #3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		29.0	mg/Kg	5	1.00

Sample: 50525 - OCD Cell #3

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14901	Date Analyzed:	2004-12-22	Analyzed By:	RS
Prep Batch:	13154	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		898	µMHOS/cm	1	0.00

Sample: 50525 - OCD Cell #3

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1900	mg/Kg	1	50.0

Sample: 50525 - OCD Cell #3

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2830	mg/Kg	1	50.0

Sample: 50525 - OCD Cell #3

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		158	mg/Kg	1	50.0

Sample: 50525 - OCD Cell #3

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14904	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13151	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.24	s.u.	1	0.00

Sample: 50525 - OCD Cell #3

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB

Prep Batch: 13146 Date Prepared: 2004-12-22 Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		359	mg/Kg	5	2.00

Sample: 50525 - OCD Cell #3

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15030	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		1.67	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.0100	mg/L	1	0.0100
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 50525 - OCD Cell #3

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50526 - OCD Cell #4

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		154	mg/Kg as CaCo3	1	4.00
Total Alkalinity		154	mg/Kg as CaCo3	1	4.00

Sample: 50526 - OCD Cell #4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14801	Date Analyzed:	2004-12-20	Analyzed By:	AG
Prep Batch:	13072	Date Prepared:	2004-12-20	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100
Xylene		<0.0100		mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.770	mg/Kg	10	0.100	77	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.759	mg/Kg	10	0.100	76	63.1 - 105

Sample: 50526 - OCD Cell #4

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		42500		mg/Kg	10	50.0

Sample: 50526 - OCD Cell #4

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14893	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13146	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		372		mg/Kg	50	1.00

Sample: 50526 - OCD Cell #4

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14901	Date Analyzed:	2004-12-22	Analyzed By:	RS
Prep Batch:	13154	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		1920		µMHOS/cm	1	0.00

Sample: 50526 - OCD Cell #4

Analysis: K, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1470	mg/Kg	1	50.0

Sample: 50526 - OCD Cell #4

Analysis: Mg, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		1840	mg/Kg	1	50.0

Sample: 50526 - OCD Cell #4

Analysis: Na, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		1370	mg/Kg	1	50.0

Sample: 50526 - OCD Cell #4

Analysis: pH | Analytical Method: SM 4500-H+ | Prep Method: N/A
QC Batch: 14904 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13151 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.74	s.u.	1	0.00

Sample: 50526 - OCD Cell #4

Analysis: SO4 (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 14893 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13146 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		452	mg/Kg	50	2.00

Sample: 50526 - OCD Cell #4

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15030	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		1.91		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50526 - OCD Cell #4

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50527 - OCD Cell #5

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		44.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		44.0		mg/Kg as CaCo3	1	4.00

Sample: 50527 - OCD Cell #5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

continued ...

sample 50527 continued...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.757	mg/Kg	10	0.100	76	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.765	mg/Kg	10	0.100	76	63.1 - 105

Sample: 50527 - OCD Cell #5

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		221000	mg/Kg	100	50.0

Sample: 50527 - OCD Cell #5

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11.6	mg/Kg	5	1.00

Sample: 50527 - OCD Cell #5

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		289	µMHOS/cm	1	0.00

Sample: 50527 - OCD Cell #5

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B

QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

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

Sample: 50527 - OCD Cell #5

Analysis: Mg, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		2220	mg/Kg	1	50.0

Sample: 50527 - OCD Cell #5

Analysis: Na, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		208	mg/Kg	1	50.0

Sample: 50527 - OCD Cell #5

Analysis: pH | Analytical Method: SM 4500-H+ | Prep Method: N/A
QC Batch: 14903 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13152 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.49	s.u.	1	0.00

Sample: 50527 - OCD Cell #5

Analysis: SO4 (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 14894 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13147 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		73.6	mg/Kg	5	2.00

Sample: 50527 - OCD Cell #5

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15030	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.51	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.0100	mg/L	1	0.0100
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 50527 - OCD Cell #5

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50528 - OCD Cell #6

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		56.0	mg/Kg as CaCo3	1	4.00
Total Alkalinity		56.0	mg/Kg as CaCo3	1	4.00

Sample: 50528 - OCD Cell #6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100

continued ...

sample 50528 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.822	mg/Kg	10	0.100	82	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.864	mg/Kg	10	0.100	86	63.1 - 105

Sample: 50528 - OCD Cell #6

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		78000	mg/Kg	100	50.0

Sample: 50528 - OCD Cell #6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		65.5	mg/Kg	10	1.00

Sample: 50528 - OCD Cell #6

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1090	µMHOS/cm	1	0.00

Sample: 50528 - OCD Cell #6

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Potassium		2780	mg/Kg	1	50.0

Sample: 50528 - OCD Cell #6

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		6610	mg/Kg	10	50.0

Sample: 50528 - OCD Cell #6

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		738	mg/Kg	1	50.0

Sample: 50528 - OCD Cell #6

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
pH		8.29	s.u.	1	0.00

Sample: 50528 - OCD Cell #6

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		417	mg/Kg	10	2.00

Sample: 50528 - OCD Cell #6

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR

Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		1.81		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50528 - OCD Cell #6

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50529 - OCD Cell #7

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		58.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		58.0		mg/Kg as CaCo3	1	4.00

Sample: 50529 - OCD Cell #7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100

continued ...

sample 50529 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.742	mg/Kg	10	0.100	74	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.753	mg/Kg	10	0.100	75	63.1 - 105

Sample: 50529 - OCD Cell #7

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		88500	mg/Kg	100	50.0

Sample: 50529 - OCD Cell #7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10.5	mg/Kg	5	1.00

Sample: 50529 - OCD Cell #7

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		375	µMHOS/cm	1	0.00

Sample: 50529 - OCD Cell #7

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

continued ...

sample 50529 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2110	mg/Kg	1	50.0

Sample: 50529 - OCD Cell #7

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3310	mg/Kg	1	50.0

Sample: 50529 - OCD Cell #7

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		207	mg/Kg	1	50.0

Sample: 50529 - OCD Cell #7

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.36	s.u.	1	0.00

Sample: 50529 - OCD Cell #7

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		94.2	mg/Kg	5	2.00

Sample: 50529 - OCD Cell #7

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.51		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50529 - OCD Cell #7

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50530 - OCD Cell #8

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

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

Sample: 50530 - OCD Cell #8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

continued ...

sample 50530 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.844	mg/Kg	10	0.100	84	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.860	mg/Kg	10	0.100	86	63.1 - 105

Sample: 50530 - OCD Cell #8

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		40500	mg/Kg	10	50.0

Sample: 50530 - OCD Cell #8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		89.3	mg/Kg	10	1.00

Sample: 50530 - OCD Cell #8

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1150	µMHOS/cm	1	0.00

Sample: 50530 - OCD Cell #8

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B

QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		2920	mg/Kg	1	50.0

Sample: 50530 - OCD Cell #8

Analysis: Mg, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		6630	mg/Kg	10	50.0

Sample: 50530 - OCD Cell #8

Analysis: Na, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		718	mg/Kg	1	50.0

Sample: 50530 - OCD Cell #8

Analysis: pH | Analytical Method: SM 4500-H+ | Prep Method: N/A
QC Batch: 14903 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13152 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.24	s.u.	1	0.00

Sample: 50530 - OCD Cell #8

Analysis: SO4 (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 14894 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13147 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		446	mg/Kg	10	2.00

Sample: 50530 - OCD Cell #8

Analysis:	TCLP Ag	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125

Sample: 50530 - OCD Cell #8

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		1.90		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50530 - OCD Cell #8

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50531 - OCD Cell #9

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		53.3		mg/Kg as CaCo3	1	4.00
Total Alkalinity		53.3		mg/Kg as CaCo3	1	4.00

Sample: 50531 - OCD Cell #9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.800	mg/Kg	10	0.100	80	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.819	mg/Kg	10	0.100	82	63.1 - 105

Sample: 50531 - OCD Cell #9

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Calcium		13200	mg/Kg	100	50.0

Sample: 50531 - OCD Cell #9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		356	mg/Kg	10	1.00

Sample: 50531 - OCD Cell #9

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Specific Conductance		1140	µMHOS/cm	1	0.00

Sample: 50531 - OCD Cell #9

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		1300		mg/Kg	1	50.0

Sample: 50531 - OCD Cell #9

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		3080		mg/Kg	1	50.0

Sample: 50531 - OCD Cell #9

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		218		mg/Kg	1	50.0

Sample: 50531 - OCD Cell #9

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		8.14		s.u.	1	0.00

Sample: 50531 - OCD Cell #9

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		46.8		mg/Kg	10	2.00

Sample: 50531 - OCD Cell #9

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	14998	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		3.05		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50531 - OCD Cell #9

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50532 - OCD Cell #10

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14967	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13172	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		5.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		90.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		95.0		mg/Kg as CaCo3	1	4.00

Sample: 50532 - OCD Cell #10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14739	Date Analyzed:	2004-12-17	Analyzed By:	MS
Prep Batch:	13024	Date Prepared:	2004-12-17	Prepared By:	MS

continued ...

sample 50532 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.802	mg/Kg	10	0.100	80	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.838	mg/Kg	10	0.100	84	63.1 - 105

Sample: 50532 - OCD Cell #10

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14950	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		79400	mg/Kg	100	50.0

Sample: 50532 - OCD Cell #10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		183	mg/Kg	5	1.00

Sample: 50532 - OCD Cell #10

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		821	µMHOS/cm	1	0.00

Sample: 50532 - OCD Cell #10

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B

QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Potassium		2160	mg/Kg	1	50.0

Sample: 50532 - OCD Cell #10

Analysis: Mg, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		6120	mg/Kg	10	50.0

Sample: 50532 - OCD Cell #10

Analysis: Na, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14950 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		772	mg/Kg	1	50.0

Sample: 50532 - OCD Cell #10

Analysis: pH | Analytical Method: SM 4500-H+ | Prep Method: N/A
QC Batch: 14903 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13152 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	Result	RL Units	Dilution	RL
pH		8.76	s.u.	1	0.00

Sample: 50532 - OCD Cell #10

Analysis: SO4 (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 14894 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13147 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		44.8	mg/Kg	5	2.00

Sample: 50532 - OCD Cell #10

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.77		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50532 - OCD Cell #10

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50533 - OCD Cell #11

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14968	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13173	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		48.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		48.0		mg/Kg as CaCo3	1	4.00

Sample: 50533 - OCD Cell #11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14742	Date Analyzed:	2004-12-18	Analyzed By:	AG
Prep Batch:	13027	Date Prepared:	2004-12-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100

continued ...

sample 50533 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		0.0106	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.20	mg/Kg	10	0.100	120	47.1 - 124
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	10	0.100	108	51.7 - 123

Sample: 50533 - OCD Cell #11

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		124000	mg/Kg	100	50.0

Sample: 50533 - OCD Cell #11

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		80.5	mg/Kg	5	1.00

Sample: 50533 - OCD Cell #11

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		471	µMHOS/cm	1	0.00

Sample: 50533 - OCD Cell #11

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		1620		mg/Kg	10	50.0

Sample: 50533 - OCD Cell #11

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		4060		mg/Kg	10	50.0

Sample: 50533 - OCD Cell #11

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		663		mg/Kg	10	50.0

Sample: 50533 - OCD Cell #11

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		8.42		s.u.	1	0.00

Sample: 50533 - OCD Cell #11

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		67.1		mg/Kg	5	2.00

Sample: 50533 - OCD Cell #11

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR

Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.29		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50533 - OCD Cell #11

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50534 - OCD Cell #12

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14968	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13173	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		55.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		55.0		mg/Kg as CaCo3	1	4.00

Sample: 50534 - OCD Cell #12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14742	Date Analyzed:	2004-12-18	Analyzed By:	AG
Prep Batch:	13027	Date Prepared:	2004-12-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100

continued ...

sample 50534 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	2.50	mg/Kg	10	0.200	125	47.1 - 124
4-Bromofluorobenzene (4-BFB)		2.36	mg/Kg	10	0.200	118	51.7 - 123

Sample: 50534 - OCD Cell #12

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		41900	mg/Kg	10	50.0

Sample: 50534 - OCD Cell #12

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12.5	mg/Kg	5	1.00

Sample: 50534 - OCD Cell #12

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		577	µMHOS/cm	1	0.00

Sample: 50534 - OCD Cell #12

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

[1]TFT surrogate recovery is high due to peak interference. BFB surrogate recovery shows the method to be in control.

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		2050		mg/Kg	1	50.0

Sample: 50534 - OCD Cell #12

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		3070		mg/Kg	1	50.0

Sample: 50534 - OCD Cell #12

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		167		mg/Kg	1	50.0

Sample: 50534 - OCD Cell #12

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		8.27		s.u.	1	0.00

Sample: 50534 - OCD Cell #12

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		270		mg/Kg	5	2.00

Sample: 50534 - OCD Cell #12

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR

Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.17		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50534 - OCD Cell #12

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50535 - OCD Cell #13

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14968	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13173	Date Prepared:	2004-12-27	Prepared By:	RS

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

Sample: 50535 - OCD Cell #13

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14742	Date Analyzed:	2004-12-18	Analyzed By:	AG
Prep Batch:	13027	Date Prepared:	2004-12-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100

continued ...

sample 50535 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[2]	2.60	mg/Kg	10	0.200	130	47.1 - 124
4-Bromofluorobenzene (4-BFB)		2.46	mg/Kg	10	0.200	123	51.7 - 123

Sample: 50535 - OCD Cell #13

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		32700	mg/Kg	10	50.0

Sample: 50535 - OCD Cell #13

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		372	mg/Kg	10	1.00

Sample: 50535 - OCD Cell #13

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		1330	µMHOS/cm	1	0.00

Sample: 50535 - OCD Cell #13

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

[2]TFT surrogate recovery is high due to peak interference. BFB surrogate recovery shows the method to be in control.

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		1900		mg/Kg	1	50.0

Sample: 50535 - OCD Cell #13

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		3200		mg/Kg	1	50.0

Sample: 50535 - OCD Cell #13

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		206		mg/Kg	1	50.0

Sample: 50535 - OCD Cell #13

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		8.14		s.u.	1	0.00

Sample: 50535 - OCD Cell #13

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		58.0		mg/Kg	10	2.00

Sample: 50535 - OCD Cell #13

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR

Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.40		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50535 - OCD Cell #13

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50536 - OCD Cell #14

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14968	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13173	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		62.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		62.0		mg/Kg as CaCo3	1	4.00

Sample: 50536 - OCD Cell #14

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14743	Date Analyzed:	2004-12-18	Analyzed By:	AG
Prep Batch:	13028	Date Prepared:	2004-12-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	10	0.00100
Toluene		<0.0100		mg/Kg	10	0.00100
Ethylbenzene		<0.0100		mg/Kg	10	0.00100

continued...

sample 50536 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.986	mg/Kg	10	0.100	99	47.1 - 124
4-Bromofluorobenzene (4-BFB)		0.991	mg/Kg	10	0.100	99	51.7 - 123

Sample: 50536 - OCD Cell #14

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		86400	mg/Kg	100	50.0

Sample: 50536 - OCD Cell #14

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		46.1	mg/Kg	5	1.00

Sample: 50536 - OCD Cell #14

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14900	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13155	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		323	µMHOS/cm	1	0.00

Sample: 50536 - OCD Cell #14

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

continued ...

sample 50536 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		1450	mg/Kg	1	50.0

Sample: 50536 - OCD Cell #14

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		3380	mg/Kg	1	50.0

Sample: 50536 - OCD Cell #14

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		365	mg/Kg	1	50.0

Sample: 50536 - OCD Cell #14

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	14903	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13152	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
pH		8.78	s.u.	1	0.00

Sample: 50536 - OCD Cell #14

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14894	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13147	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		43.6	mg/Kg	5	2.00

Sample: 50536 - OCD Cell #14

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		2.89		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.0100		mg/L	1	0.0100
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 50536 - OCD Cell #14

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Sample: 50537 - OCD Cell #15

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	14968	Date Analyzed:	2004-12-27	Analyzed By:	RS
Prep Batch:	13173	Date Prepared:	2004-12-27	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/Kg as CaCo3	1	1.00
Bicarbonate Alkalinity		43.0		mg/Kg as CaCo3	1	4.00
Total Alkalinity		43.0		mg/Kg as CaCo3	1	4.00

Sample: 50537 - OCD Cell #15

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	14743	Date Analyzed:	2004-12-18	Analyzed By:	AG
Prep Batch:	13028	Date Prepared:	2004-12-17	Prepared By:	AG

continued ...

sample 50537 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	10	0.100	115	47.1 - 124
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	10	0.100	115	51.7 - 123

Sample: 50537 - OCD Cell #15

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	14951	Date Analyzed:	2004-12-27	Analyzed By:	TP
Prep Batch:	13003	Date Prepared:	2004-12-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		8060	mg/Kg	10	50.0

Sample: 50537 - OCD Cell #15

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14928	Date Analyzed:	2004-12-23	Analyzed By:	WB
Prep Batch:	13161	Date Prepared:	2004-12-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		93.7	mg/Kg	5	1.00

Sample: 50537 - OCD Cell #15

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	14899	Date Analyzed:	2004-12-22	Analyzed By:	WB
Prep Batch:	13156	Date Prepared:	2004-12-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		489	µMHOS/cm	1	0.00

Sample: 50537 - OCD Cell #15

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B

QC Batch: 14951 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Potassium		1800	mg/Kg	1	50.0

Sample: 50537 - OCD Cell #15

Analysis: Mg, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14951 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		2040	mg/Kg	1	50.0

Sample: 50537 - OCD Cell #15

Analysis: Na, Total | Analytical Method: S 6010B | Prep Method: S 3050B
QC Batch: 14951 | Date Analyzed: 2004-12-27 | Analyzed By: TP
Prep Batch: 13003 | Date Prepared: 2004-12-17 | Prepared By: DS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		121	mg/Kg	1	50.0

Sample: 50537 - OCD Cell #15

Analysis: pH | Analytical Method: SM 4500-H+ | Prep Method: N/A
QC Batch: 14902 | Date Analyzed: 2004-12-22 | Analyzed By: WB
Prep Batch: 13153 | Date Prepared: 2004-12-22 | Prepared By: WB

Parameter	Flag	Result	RL Units	Dilution	RL
pH		8.25	s.u.	1	0.00

Sample: 50537 - OCD Cell #15

Analysis: SO4 (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 14928 | Date Analyzed: 2004-12-23 | Analyzed By: WB
Prep Batch: 13161 | Date Prepared: 2004-12-23 | Prepared By: WB

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		31.5	mg/Kg	5	2.00

Sample: 50537 - OCD Cell #15

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	15001	Date Analyzed:	2004-12-29	Analyzed By:	RR
Prep Batch:	13232	Date Prepared:	2004-12-29	Prepared By:	DS
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	15031	Date Analyzed:	2004-12-30	Analyzed By:	TP
Prep Batch:	13260	Date Prepared:	2004-12-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		2.33	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.0100	mg/L	1	0.0100
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 50537 - OCD Cell #15

Analysis:	TPH 418.1	Analytical Method:	E 418.1	Prep Method:	N/A
QC Batch:	14682	Date Analyzed:	2004-12-16	Analyzed By:	DS
Prep Batch:	12974	Date Prepared:	2004-12-16	Prepared By:	DS

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

Method Blank (1) QC Batch: 14682

Parameter	Flag	Result	Units	RL
TRPHC		<10.0	mg/Kg	10

Method Blank (2) QC Batch: 14682

Parameter	Flag	Result	Units	RL
TRPHC		<10.0	mg/Kg	10

Method Blank (1) QC Batch: 14739

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001

continued ...

method blank continued . . .

Parameter	Flag	Result	Units	RL
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.931	mg/Kg	10	0.100	93	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.693	mg/Kg	10	0.100	69	36.6 - 112

Method Blank (1) QC Batch: 14742

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.930	mg/Kg	10	0.100	93	47.2 - 109
4-Bromofluorobenzene (4-BFB)	[3]	0.544	mg/Kg	10	0.100	54	63.4 - 130

Method Blank (1) QC Batch: 14743

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/Kg	0.001
Toluene		<0.00100	mg/Kg	0.001
Ethylbenzene		<0.00100	mg/Kg	0.001
Xylene		<0.00100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0935	mg/Kg	1	0.100	94	47.2 - 109
4-Bromofluorobenzene (4-BFB)	[4]	0.0565	mg/Kg	1	0.100	56	63.4 - 130

Method Blank (1) QC Batch: 14801

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

[3]BFB surrogate recovery is low due to prep. TFT surrogate recovery shows the method to be in control. Low BFB was not observed in other samples or QC.
[4]BFB surrogate recovery is low due to prep. TFT surrogate recovery shows the method to be in control. Low BFB was not observed in other samples or QC.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.925	mg/Kg	10	0.100	92	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.570	mg/Kg	10	0.100	57	36.6 - 112

Matrix Blank (1) QC Batch: 14893

Parameter	Flag	Result	Units	RL
Chloride		10.7	mg/Kg	1

Matrix Blank (1) QC Batch: 14893

Parameter	Flag	Result	Units	RL
Sulfate		12.5	mg/Kg	2

Matrix Blank (1) QC Batch: 14894

Parameter	Flag	Result	Units	RL
Chloride		10.8	mg/Kg	1

Matrix Blank (1) QC Batch: 14894

Parameter	Flag	Result	Units	RL
Sulfate		12.6	mg/Kg	2

Method Blank (1) QC Batch: 14899

Parameter	Flag	Result	Units	RL
Specific Conductance		2.76	µMHOS/cm	

Method Blank (1) QC Batch: 14900

Parameter	Flag	Result	Units	RL
Specific Conductance		2.58	µMHOS/cm	

Method Blank (1) QC Batch: 14901

Parameter	Flag	Result	Units	RL
Specific Conductance		2.58	µMHOS/cm	

Matrix Blank (1) QC Batch: 14928

Parameter	Flag	Result	Units	RL
Chloride		17.3	mg/Kg	1

Matrix Blank (1) QC Batch: 14928

Parameter	Flag	Result	Units	RL
Sulfate		16.2	mg/Kg	2

Method Blank (1) QC Batch: 14950

Parameter	Flag	Result	Units	RL
Total Calcium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14950

Parameter	Flag	Result	Units	RL
Total Potassium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14950

Parameter	Flag	Result	Units	RL
Total Magnesium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14950

Parameter	Flag	Result	Units	RL
Total Sodium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14951

Parameter	Flag	Result	Units	RL
Total Calcium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14951

Parameter	Flag	Result	Units	RL
Total Potassium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14951

Parameter	Flag	Result	Units	RL
Total Magnesium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14951

Parameter	Flag	Result	Units	RL
Total Sodium		<50.0	mg/Kg	50

Method Blank (1) QC Batch: 14967

Parameter	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 14968

Parameter	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/Kg as CaCo3	1
Carbonate Alkalinity		<1.00	mg/Kg as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/Kg as CaCo3	4
Total Alkalinity		<4.00	mg/Kg as CaCo3	4

Method Blank (1) QC Batch: 14998

Parameter	Flag	Result	Units	RL
TCLP Silver		<0.125	mg/L	0.125

Method Blank (1) QC Batch: 14998

Parameter	Flag	Result	Units	RL
TCLP Silver		<0.125	mg/L	0.125
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 Lead		<0.100	mg/L	0.1
TCLP Selenium		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 15001

Parameter	Flag	Result	Units	RL
TCLP Silver		<0.125	mg/L	0.125
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 Lead		<0.100	mg/L	0.1
TCLP Selenium		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 15030

Parameter	Flag	Result	Units	RL
TCLP Mercury		<0.0100	mg/L	0.01

Method Blank (1) QC Batch: 15031

Parameter	Flag	Result	Units	RL
TCLP Mercury		<0.0100	mg/L	0.01

Duplicate (1) QC Batch: 14899

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	493	489	µMHOS/cm	1	1	20

Duplicate (1) QC Batch: 14900

continued . . .

duplicate continued . . .

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	325	323	µMHOS/cm	1	1	20

Duplicate (1) QC Batch: 14901

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1890	1920	µMHOS/cm	1	2	20

Duplicate (1) QC Batch: 14902

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.26	8.25	s.u.	1	0	0.6

Duplicate (1) QC Batch: 14903

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.77	8.78	s.u.	1	0	0.6

Duplicate (1) QC Batch: 14904

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.75	8.74	s.u.	1	0	0.6

Duplicate (1) QC Batch: 14967

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	55.6	53.3	mg/Kg as CaCo3	1	4	20
Total Alkalinity	55.6	53.3	mg/Kg as CaCo3	1	4	20

Duplicate (1) QC Batch: 14968

continued . . .

duplicate continued ...

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	43.0	43.0	mg/Kg as CaCo3	1	0	20
Total Alkalinity	43.0	43.0	mg/Kg as CaCo3	1	0	20

Laboratory Control Spike (LCS-1) QC Batch: 14682

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	253	255	mg/Kg	1	250	<7.12	101	1	74 - 122	20

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

Laboratory Control Spike (LCS-2) QC Batch: 14682

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	249	243	mg/Kg	1	250	<7.12	100	2	74 - 122	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: 14739

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.990	0.964	mg/Kg	10	0.100	<0.0333	99	3	79.8 - 114	9.4
Toluene	0.967	0.942	mg/Kg	10	0.100	<0.0353	97	3	79.7 - 115	7.5
Ethylbenzene	0.996	0.975	mg/Kg	10	0.100	<0.0339	100	2	78.7 - 116	8
Xylene	2.81	2.74	mg/Kg	10	0.300	<0.103	94	2	78.7 - 118	7.9

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.986	0.948	mg/Kg	10	0.100	99	95	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.961	0.932	mg/Kg	10	0.100	96	93	72.2 - 111

Laboratory Control Spike (LCS-1) QC Batch: 14742

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.830	0.854	mg/Kg	10	0.100	<0.0153	83	3	71.9 - 117	9.4
Toluene	0.867	0.884	mg/Kg	10	0.100	<0.00954	87	2	74.1 - 115	8.2
Ethylbenzene	0.918	0.937	mg/Kg	10	0.100	<0.00954	92	2	77.8 - 115	9.7
Xylene	3.01	3.06	mg/Kg	10	0.300	<0.0300	100	2	80.6 - 119	10.3

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.817	0.839	mg/Kg	10	0.100	82	84	60.7 - 130
4-Bromofluorobenzene (4-BFB)	0.806	0.836	mg/Kg	10	0.100	81	84	75.3 - 114

Laboratory Control Spike (LCS-1) QC Batch: 14743

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0893	0.0906	mg/Kg	1	0.100	<0.00153	89	1	71.9 - 117	9.4
Toluene	0.0889	0.0907	mg/Kg	1	0.100	<0.000954	89	2	74.1 - 115	8.2
Ethylbenzene	0.0953	0.0966	mg/Kg	1	0.100	<0.000954	95	1	77.8 - 115	9.7
Xylene	0.313	0.316	mg/Kg	1	0.300	<0.00300	104	1	80.6 - 119	10.3

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0860	0.0871	mg/Kg	1	0.100	86	87	60.7 - 130
4-Bromofluorobenzene (4-BFB)	0.0870	0.0868	mg/Kg	1	0.100	87	87	75.3 - 114

Laboratory Control Spike (LCS-1) QC Batch: 14801

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.946	0.952	mg/Kg	10	0.100	<0.0333	95	1	79.8 - 114	9.4
Toluene	0.924	0.933	mg/Kg	10	0.100	<0.0353	92	1	79.7 - 115	7.5
Ethylbenzene	0.963	0.973	mg/Kg	10	0.100	<0.0339	96	1	78.7 - 116	8
Xylene	2.71	2.75	mg/Kg	10	0.300	<0.103	90	1	78.7 - 118	7.9

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.953	0.982	mg/Kg	10	0.100	95	98	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.893	0.926	mg/Kg	10	0.100	89	93	72.2 - 111

Laboratory Control Spike (LCS-1) QC Batch: 14893

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	22.6	23.1	mg/Kg	1	12.5	10.7	95	2	90 - 110	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: 14893

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	24.7	24.7	mg/Kg	1	12.5	12.5	98	0	90 - 110	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: 14894

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	24.3	24.5	mg/Kg	1	12.5	10.8	108	1	90 - 110	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: 14894

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	24.7	24.9	mg/Kg	1	12.5	12.6	97	1	90 - 110	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: 14928

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	29.4	29.4	mg/Kg	1	12.5	17.3	97	0	90 - 110	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: 14928

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	28.5	28.5	mg/Kg	1	12.5	16.2	98	0	90 - 110	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: 14950

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Calcium	12400	11400	mg/Kg	100	100	<64.2	124	8	75 - 125	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: 14950

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Potassium	10300	9690	mg/Kg	100	100	<166	103	6	75 - 125	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: 14950

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Magnesium	10900	10700	mg/Kg	100	100	<642	109	2	75 - 125	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: 14950

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Sodium	10500	9910	mg/Kg	100	100	<174	105	6	75 - 125	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: 14951

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Calcium	12400	11400	mg/Kg	100	100	<64.2	124	8	75 - 125	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: 14951

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Potassium	10300	9690	mg/Kg	100	100	<166	103	6	75 - 125	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: 14951

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Magnesium	10900	10700	mg/Kg	100	100	<642	109	2	75 - 125	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: 14951

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Sodium	10500	9910	mg/Kg	100	100	<174	105	6	75 - 125	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: 14998

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.24	1.25	mg/L	1	1.25	<0.00780	99	1	91.1 - 118	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: 14998

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.24	1.25	mg/L	1	1.25	<0.00780	99	1	91.1 - 118	20
TCLP Arsenic	5.06	5.14	mg/L	1	5.00	<0.0590	101	2	81.1 - 123	20
TCLP Barium	10.1	10.1	mg/L	1	10.0	<0.00340	101	0	86 - 122	20
TCLP Cadmium	2.54	2.56	mg/L	1	2.50	<0.00270	102	1	84.8 - 124	20
TCLP Chromium	1.07	1.08	mg/L	1	1.00	<0.00660	107	1	81.7 - 120	20
TCLP Lead	5.06	5.17	mg/L	1	5.00	<0.0370	101	2	86.4 - 123	20
TCLP Selenium	4.65	4.68	mg/L	1	5.00	<0.100	93	1	84.4 - 111	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: 15001

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.24	1.25	mg/L	1	1.25	<0.00780	99	1	91.1 - 118	20
TCLP Arsenic	5.06	5.14	mg/L	1	5.00	<0.0590	101	2	81.1 - 123	20
TCLP Barium	10.1	10.1	mg/L	1	10.0	<0.00340	101	0	86 - 122	20
TCLP Cadmium	2.54	2.56	mg/L	1	2.50	<0.00270	102	1	84.8 - 124	20
TCLP Chromium	1.07	1.08	mg/L	1	1.00	<0.00660	107	1	81.7 - 120	20
TCLP Lead	5.06	5.17	mg/L	1	5.00	<0.0370	101	2	86.4 - 123	20
TCLP Selenium	4.65	4.68	mg/L	1	5.00	<0.100	93	1	84.4 - 111	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: 15030

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Mercury	0.0546	0.0543	mg/L	1	0.0500	<0.00177	109	0	82.3 - 120	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: 15031

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Mercury	0.0546	0.0543	mg/L	1	0.0500	<0.00177	109	0	82.3 - 120	20

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

Matrix Spike (MS-1) QC Batch: 14682 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	175	176	mg/Kg	1	250	<7.12	70	0	50 - 142	20

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

Matrix Spike (MS-2) QC Batch: 14682 Spiked Sample: 50537

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TRPHC	174	176	mg/Kg	1	250	<7.12	70	1	50 - 142	20

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

Matrix Spike (MS-1) QC Batch: 14739 Spiked Sample: 50511

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	[5,6]	0.752	0.744	mg/Kg	10	0.100	0.254	50	1	63.5 - 98.6	12
Toluene	[7,8]	0.783	0.763	mg/Kg	10	0.100	0.281	50	2	65.8 - 102	11.4
Ethylbenzene	[9,10]	0.854	0.842	mg/Kg	10	0.100	0.368	49	1	66.6 - 106	10.5
Xylene	[11,12]	2.42	2.39	mg/Kg	10	0.300	1.04	46	1	67.4 - 108	10.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.796	0.784	mg/Kg	10	0.1	80	78	60.1 - 104
4-Bromofluorobenzene (4-BFB)	0.851	0.840	mg/Kg	10	0.1	85	84	63.1 - 105

Matrix Spike (MS-1) QC Batch: 14742 Spiked Sample: 50533

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene		1.07	1.05	mg/Kg	10	0.100	<0.0153	107	2	45.5 - 124	17.9
Toluene		1.10	1.07	mg/Kg	10	0.100	<0.00954	109	3	50.2 - 119	16.9
Ethylbenzene	[13]	1.17	1.13	mg/Kg	10	0.100	<0.00954	117	3	51.9 - 115	18.2
Xylene	[14]	3.78	3.69	mg/Kg	10	0.300	<0.0300	126	2	49.2 - 125	15.3

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)	1.19	0.992	mg/Kg	10	0.1	119	99	47.1 - 124
4-Bromofluorobenzene (4-BFB)	1.13	1.11	mg/Kg	10	0.1	113	111	51.7 - 123

Matrix Spike (MS-1) QC Batch: 14743 Spiked Sample: 50536

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.924	1.02	mg/Kg	10	0.100	<0.0153	92	10	45.5 - 124	17.9
Toluene	0.940	1.03	mg/Kg	10	0.100	<0.00954	93	9	50.2 - 119	16.9

continued ...

[5]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[6]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[7]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[8]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[9]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[10]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[11]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[12]Value and RPD falls within acceptable range. LCS/LCSD shows analysis to be under control.
[13]High analyte recovery due to peak interference. LCS and LCSD show the method to be in control.
[14]High analyte recovery due to peak interference. LCS and LCSD show the method to be in control.

matrix spikes continued ...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Ethylbenzene	0.994	1.10	mg/Kg	10	0.100	<0.00954	99	10	51.9 - 115	18.2
Xylene	3.25	3.60	mg/Kg	10	0.300	<0.0300	108	10	49.2 - 125	15.3

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.985	1.15	mg/Kg	10	0.1	98	115	47.1 - 124
4-Bromofluorobenzene (4-BFB)	1.03	1.13	mg/Kg	10	0.1	103	113	51.7 - 123

Matrix Spike (MS-1) QC Batch: 14893 Spiked Sample: 50526

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	967	962	mg/Kg	50	12.5	372	95	0	69.4 - 118	20

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

Matrix Spike (MS-1) QC Batch: 14893 Spiked Sample: 50526

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	1070	1060	mg/Kg	50	12.5	452	99	1	89.8 - 112	20

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

Matrix Spike (MS-1) QC Batch: 14894 Spiked Sample: 50536

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	[15][16]	131	123	mg/Kg	5	12.5	46.1	136	6	69.4 - 118	20

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

Matrix Spike (MS-1) QC Batch: 14894 Spiked Sample: 50536

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	109	109	mg/Kg	5	12.5	43.6	105	0	89.8 - 112	20

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

Matrix Spike (MS-1) QC Batch: 14928 Spiked Sample: 50537

continued ...

[15]Matrix spike due to matrix effects. LCS shows the method to be in control.
[16]Matrix spike due to matrix effects. LCS shows the method to be in control.

matrix spikes continued . . .

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	163	159	mg/Kg	5	12.5	93.7	111	2	69.4 - 118	20

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

Matrix Spike (MS-1) QC Batch: 14928 Spiked Sample: 50537

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	95.2	92.8	mg/Kg	5	12.5	31.5	102	2	89.8 - 112	20

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

Matrix Spike (MS-1) QC Batch: 14950 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Calcium	24300	24800	mg/Kg	100	100	13500	108	2	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14950 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Potassium	12700	12000	mg/Kg	100	100	2810	99	6	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14950 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Magnesium	13400	12600	mg/Kg	100	100	3630	98	6	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14950 Spiked Sample: 50524

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Sodium	10500	10000	mg/Kg	100	100	762	97	5	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14951 Spiked Sample: 50533

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Calcium [17]	122000	136000	mg/Kg	100	100	124000	20	11	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14951 Spiked Sample: 50533

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Potassium	12000	12700	mg/Kg	100	100	1620	104	6	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14951 Spiked Sample: 50533

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Magnesium	14100	14300	mg/Kg	100	100	4060	100	1	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14951 Spiked Sample: 50533

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Sodium	11000	11800	mg/Kg	100	100	663	103	7	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 14998 Spiked Sample: 50343

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.22	1.25	mg/L	1	1.25	<0.00780	98	2	91.1 - 118	20

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

Matrix Spike (MS-1) QC Batch: 14998 Spiked Sample: 50343

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.22	1.25	mg/L	1	1.25	<0.00780	98	2	91.1 - 118	20
TCLP Arsenic	5.05	5.09	mg/L	1	5.00	<0.0590	101	1	81.1 - 123	20
TCLP Barium	10.9	11.1	mg/L	1	10.0	1.53	94	2	86 - 122	20
TCLP Cadmium	2.46	2.51	mg/L	1	2.50	<0.00270	98	2	84.8 - 124	20
TCLP Chromium	1.06	1.07	mg/L	1	1.00	<0.00660	106	1	81.7 - 120	20
TCLP Lead	4.89	4.94	mg/L	1	5.00	<0.0370	98	1	86.4 - 123	20
TCLP Selenium	4.56	4.60	mg/L	1	5.00	<0.100	91	1	84.4 - 111	20

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

[17]No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

Matrix Spike (MS-1) QC Batch: 15001 Spiked Sample: 50533

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Silver	1.21	1.23	mg/L	1	1.25	<0.00780	97	2	91.1 - 118	20
TCLP Arsenic	4.85	4.96	mg/L	1	5.00	<0.0590	97	2	81.1 - 123	20
TCLP Barium	11.8	11.9	mg/L	1	10.0	2.29	95	1	86 - 122	20
TCLP Cadmium	2.44	2.48	mg/L	1	2.50	<0.00270	98	2	84.8 - 124	20
TCLP Chromium	1.03	1.04	mg/L	1	1.00	<0.00660	103	1	81.7 - 120	20
TCLP Lead	4.92	4.98	mg/L	1	5.00	<0.0370	98	1	86.4 - 123	20
TCLP Selenium	4.58	4.63	mg/L	1	5.00	<0.100	92	1	84.4 - 111	20

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

Matrix Spike (MS-1) QC Batch: 15030 Spiked Sample: 51598

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Mercury	0.0510	0.0504	mg/L	1	0.0500	<0.00177	102	1	80 - 120	20

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

Matrix Spike (MS-1) QC Batch: 15031 Spiked Sample: 50528

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
TCLP Mercury	0.0499	0.0507	mg/L	1	0.0500	<0.00177	100	2	80 - 120	20

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

Standard (CCV-1) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.5	92	80 - 120	2004-12-16

Standard (CCV-2) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.2	91	80 - 120	2004-12-16

Standard (CCV-3) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	90.7	91	80 - 120	2004-12-16

Standard (ICV-2) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	91.1	91	80 - 120	2004-12-16

Standard (CCV-4) QC Batch: 14682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	92.9	93	80 - 120	2004-12-16

Standard (ICV-1) QC Batch: 14739

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0982	98	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0959	96	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0990	99	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-17

Standard (CCV-1) QC Batch: 14739

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0971	97	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0952	95	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0986	99	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-17

Standard (CCV-2) QC Batch: 14739

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0962	96	85 - 115	2004-12-17
Toluene		mg/Kg	0.100	0.0950	95	85 - 115	2004-12-17
Ethylbenzene		mg/Kg	0.100	0.0983	98	85 - 115	2004-12-17
Xylene		mg/Kg	0.300	0.280	93	85 - 115	2004-12-17

Standard (ICV-1) QC Batch: 14742

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0871	87	85 - 115	2004-12-18
Toluene		mg/Kg	0.100	0.0864	86	85 - 115	2004-12-18
Ethylbenzene		mg/Kg	0.100	0.0933	93	85 - 115	2004-12-18
Xylene		mg/Kg	0.300	0.307	102	85 - 115	2004-12-18

Standard (CCV-1) QC Batch: 14742

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0888	89	85 - 115	2004-12-18
Toluene		mg/Kg	0.100	0.0914	91	85 - 115	2004-12-18
Ethylbenzene		mg/Kg	0.100	0.0976	98	85 - 115	2004-12-18
Xylene		mg/Kg	0.300	0.320	107	85 - 115	2004-12-18

Standard (CCV-2) QC Batch: 14742

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0877	88	85 - 115	2004-12-18
Toluene		mg/Kg	0.100	0.0899	90	85 - 115	2004-12-18
Ethylbenzene		mg/Kg	0.100	0.0961	96	85 - 115	2004-12-18
Xylene		mg/Kg	0.300	0.315	105	85 - 115	2004-12-18

Standard (ICV-1) QC Batch: 14743

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0851	85	85 - 115	2004-12-18
Toluene		mg/Kg	0.100	0.0874	87	85 - 115	2004-12-18
Ethylbenzene		mg/Kg	0.100	0.0948	95	85 - 115	2004-12-18
Xylene		mg/Kg	0.300	0.311	104	85 - 115	2004-12-18

Standard (CCV-1) QC Batch: 14743

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0865	86	85 - 115	2004-12-18
Toluene		mg/Kg	0.100	0.0881	88	85 - 115	2004-12-18
Ethylbenzene		mg/Kg	0.100	0.0928	93	85 - 115	2004-12-18
Xylene		mg/Kg	0.300	0.305	102	85 - 115	2004-12-18

Standard (CCV-1) QC Batch: 14801

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0951	95	85 - 115	2004-12-20
Toluene		mg/Kg	0.100	0.0933	93	85 - 115	2004-12-20
Ethylbenzene		mg/Kg	0.100	0.0976	98	85 - 115	2004-12-20
Xylene		mg/Kg	0.300	0.275	92	85 - 115	2004-12-20

Standard (CCV-2) QC Batch: 14801

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0966	97	85 - 115	2004-12-20
Toluene		mg/Kg	0.100	0.0946	95	85 - 115	2004-12-20
Ethylbenzene		mg/Kg	0.100	0.0989	99	85 - 115	2004-12-20
Xylene		mg/Kg	0.300	0.278	93	85 - 115	2004-12-20

Standard (ICV-1) QC Batch: 14893

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.9	95	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14893

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.2	98	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14893

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14893

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.2	98	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14894

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14894

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.2	98	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14894

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.7	102	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14894

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.4	99	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14899

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1430	101	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14899

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1440	102	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14900

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1430	101	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14900

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1440	102	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14901

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1440	102	90 - 110	2004-12-22

Standard (CCV-1) QC Batch: 14901

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1450	103	90 - 110	2004-12-22

Standard (ICV-1) QC Batch: 14902

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.11	102	98 - 102	2004-12-22

Standard (CCV-1) QC Batch: 14902

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.09	101	98 - 102	2004-12-22

Standard (ICV-1) QC Batch: 14903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.11	102	98 - 102	2004-12-22

Standard (CCV-1) QC Batch: 14903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.08	101	98 - 102	2004-12-22

Standard (ICV-1) QC Batch: 14904

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.10	101	98 - 102	2004-12-22

Standard (CCV-1) QC Batch: 14904

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.08	101	98 - 102	2004-12-22

Standard (ICV-1) QC Batch: 14928

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.7	102	90 - 110	2004-12-23

Standard (ICV-1) QC Batch: 14928

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.5	100	90 - 110	2004-12-23

Standard (CCV-1) QC Batch: 14928

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.2	98	90 - 110	2004-12-23

Standard (CCV-1) QC Batch: 14928

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/Kg	12.5	12.4	99	90 - 110	2004-12-23

Standard (ICV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	25.0	27.2	109	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	25.0	25.1	100	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	25.0	26.9	108	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	25.0	26.1	104	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	25.0	25.8	103	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	25.0	26.3	105	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	25.0	25.5	102	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14950

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	25.0	26.7	107	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	25.0	27.2	109	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	25.0	25.1	100	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	25.0	26.9	108	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	25.0	26.1	104	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/Kg	25.0	24.5	98	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/Kg	25.0	26.7	107	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/Kg	25.0	24.4	98	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14951

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	25.0	26.1	104	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14967

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	240	96	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14967

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14968

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	246	98	90 - 110	2004-12-27

Standard (CCV-1) QC Batch: 14968

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/Kg as CaCo3	250	242	97	90 - 110	2004-12-27

Standard (ICV-1) QC Batch: 14998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2004-12-29

Standard (ICV-1) QC Batch: 14998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2004-12-29
TCLP Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-12-29
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Cadmium		mg/L	1.00	1.00	100	90 - 110	2004-12-29
TCLP Chromium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Selenium		mg/L	1.00	0.996	100	90 - 110	2004-12-29

Standard (CCV-1) QC Batch: 14998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2004-12-29

Standard (CCV-1) QC Batch: 14998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2004-12-29
TCLP Arsenic		mg/L	1.00	0.997	100	90 - 110	2004-12-29
TCLP Barium		mg/L	1.00	1.00	100	90 - 110	2004-12-29
TCLP Cadmium		mg/L	1.00	1.00	100	90 - 110	2004-12-29
TCLP Chromium		mg/L	1.00	1.00	100	90 - 110	2004-12-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Selenium		mg/L	1.00	0.990	99	90 - 110	2004-12-29

Standard (ICV-1) QC Batch: 15001

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.125	100	90 - 110	2004-12-29
TCLP Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-12-29
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Cadmium		mg/L	1.00	1.00	100	90 - 110	2004-12-29
TCLP Chromium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Selenium		mg/L	1.00	0.996	100	90 - 110	2004-12-29

Standard (CCV-1) QC Batch: 15001

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.126	101	90 - 110	2004-12-29
TCLP Arsenic		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Barium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Cadmium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Chromium		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Lead		mg/L	1.00	1.01	101	90 - 110	2004-12-29
TCLP Selenium		mg/L	1.00	1.01	101	90 - 110	2004-12-29

Standard (ICV-1) QC Batch: 15030

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00493	99	90 - 110	2004-12-30

Standard (CCV-1) QC Batch: 15030

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00468	94	80 - 120	2004-12-30

Standard (ICV-1) QC Batch: 15031

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00493	99	90 - 110	2004-12-30

Standard (CCV-1) QC Batch: 15031

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00469	94	80 - 120	2004-12-30

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TraceAnalysis, Inc.

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4121407

Company Name: Gandy Marley Inc.
Phone #: 505-347-0434
Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202-1658
Fax #: 505-347-0435
Contact Person: Mike Marley or Larry Gandy
Larry Cell - 505-369-5721
Invoice to: (If different from above)
Project #: Annual / Quarterly Sampling (NM-711-1-0020)
Project Name: Gandy Marley Land Farm
Project Location: Chaves Co. NM SW1/4 Sec. 4, SE1/4 Sec. 5, NE1/4 Sec. 8, NW1/4 Sec. 9 T.11.S.R.31E
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	Matrix: WATER	SOIL	AIR	SLUDGE	Preservative: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	Sampling: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	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	Na, Ca, Mg, K, Conductivity, T-Alkalinity	Cl, SO_4, CO_3, HCO_3, pH	Turn Around Time if different from standard	Hold
50523	OCD Cell #1	2	2/4oz		X								X	12/10/04	14:25		X	X			X										X	X		
24	OCD Cell #2	2	2/4oz		X								X	12/10/04	15:02		X	X			X										X	X		
25	OCD Cell #3	2	2/4oz		X								X	12/10/04	15:25		X	X			X										X	X		
26	OCD Cell #4	2	2/4oz		X								X	12/10/04	16:00		X	X			X										X	X		
27	OCD Cell #5	2	2/4oz		X								X	12/11/04	0951		X	X			X										X	X		
28	OCD Cell #6	2	2/4oz		X								X	12/11/04	1004		X	X			X										X	X		
29	OCD Cell #7	2	2/4oz		X								X	12/11/04	1018		X	X			X										X	X		
30	OCD Cell #8	2	2/4oz		X								X	12/11/04	1042		X	X			X										X	X		
31	OCD Cell #9	2	2/4oz		X								X	12/11/04	1108		X	X			X										X	X		
32	OCD Cell #10	2	2/4oz		X								X	12/11/04	1128		X	X			X										X	X		
33	OCD Cell #11	2	2/4oz		X								X	12/11/04	1135		X	X			X										X	X		

Relinquished by: [signature] Date: 12/13/04 Time: 10:16
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Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: [signature] Date: 12-14-04 Time: 10:24

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 2°C
Log-in Review [initials]
Carrier # TNMO 903 293-0236

REMARKS: Bill Gandy Marley Inc direct for analysis costs. Please send copy of results to CMB PO Box 2304 Roswell, NM 88202 or email: Cmbenviro@dfn.com

☐ Check if Special Reporting Limits Are Needed

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Page 2 of 2

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Fax (806) 794-1298
1 (800) 378-1296

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 # 4121407

Company Name: Gandy Marley, Inc.
Phone #: 505-347-0434
Address: (Street, City, Zip) PO Box 1658
Fax #: 505-347-0435
Contact Person: Mike Marley or Larry Gandy
Invoice to: (If different from above)
Project #: Annual Sampling (NM-711-1-0020)
Project Name: Gandy Marley Land Farm
Project Location: Chaves Co., NM; SW/4 Sec 4, SE/4 Sec 5, NE/4 Sec 8, NW/4 Sec 9 T11S R31E
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.): MTBE 8021B/602; BTEX 8021B/602 (circled); TPH 418.1/TX1005; 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; Na, Ca, Mg, K, Alkalinity, T-Alkalinity; Cl, SO4, CO3, HCO3, pH; Turn Around Time if different from standard; Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	Matrix: SOIL	Preservative: NONE	DATE	TIME	BTEX 8021B/602	TPH 418.1/TX1005	TCLP Metals	Na, Ca, Mg, K, Alkalinity	Cl, SO4, CO3, HCO3, pH
505 34	OCD Cell # 12	2	4oz	X	X	12/11/04	1210	X	X	X	X	X
35	OCD Cell # 13	2	4oz	X	X	12/11/04	1220	X	X	X	X	X
36	OCD Cell # 14	2	4oz	X	X	12/11/04	1250	X	X	X	X	X
37	OCD Cell # 15	2	4oz	X	X	12/11/04	1320	X	X	X	X	X
	Temp Blank											

Relinquished by: [signature] Date: 12/13/04 Time: 10:16
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: [signature] Date: 12-14-04 Time: 10:24

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 2°C
Log-in Review MK

REMARKS: Bill Gandy Marley Directly For Analysis Costs. Send Copy of Results to CMB PO Box 2314 Roswell NM 88202-2314 or email: [illegible]

☐ Check If Special Reporting Limits Are Needed

Carrier # TNMHO 903 293-0236

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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 # 4121407

Company Name: Gandy Marley Inc.
Phone #: 505-347-0434

Address: (Street, City, Zip) PO Box 1658 Roswell, NM 88202-1658
Fax #: 505-347-0435

Contact Person: Mike Marley or Larry Gandy
LARRY Cell - 505-369-5721

Invoice to: (If different from above)

Project #: ~~Quarterly~~ Annual Sampling (NM-711-1-0020)
Project Name: Gandy Marley LandFarm

Project Location: Chaves Co. NM SW 1/4 Sec. 4, SE 1/4 Sec. 5, NE 1/4 Sec. 8, NW 1/4 Sec 9 T.11.S. R.31 E
Sampler Signature: [illegible]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX (8021B)/602	TPH (418.1) TX1005	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	Na, Ca, Mg, K, Conductivity, T-Alkalinity	Cl, SO_4, CO_3, HCO_3, pH				Turn Around Time if different from standard	Hold
50523	OCD Cell #1	2	2/4oz		X								X	12/10/04	14:25		X	X			X										X	X					
24	OCD Cell #2	2	2/4oz		X								X	12/10/04	15:02		X	X			X										X	X					
25	OCD Cell #3	2	2/4oz		X								X	12/10/04	15:25		X	X			X										X	X					
26	OCD Cell #4	2	2/4oz		X								X	12/10/04	16:00		X	X			X										X	X					
27	OCD Cell #5	2	2/4oz		X								X	12/11/04	0951		X	X			X										X	X					
28	OCD Cell #6	2	2/4oz		X								X	12/11/04	1004		X	X			X										X	X					
29	OCD Cell #7	2	2/4oz		X								X	12/11/04	1018		X	X			X										X	X					
30	OCD Cell #8	2	2/4oz		X								X	12/11/04	1042		X	X			X										X	X					
31	OCD Cell #9	2	2/4oz		X								X	12/11/04	1108		X	X			X										X	X					
32	OCD Cell #10	2	2/4oz		X								X	12/11/04	1128		X	X			X										X	X					
33	OCD Cell #11	2	2/4oz		X								X	12/11/04	1135		X	X			X										X	X					

Relinquished by: Clifton M Barnhill, PG [signature] Date: 12/13/04 Time: 10:16
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received at Laboratory by: Vicki [illegible] Date: 12-14-04 Time: 1024

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 2°C
Log-in Review MA

REMARKS: Bill Gandy Marley Inc direct for Analysis costs. Please send copy of Results to CMB PO Box 2304 Roswell, NM 88202 or email: Cmbenviro@dfn.com

☐ Check if Special Reporting Limits Are Needed

12/31 FP

Carrier # TNMO 903 293-0236 1/4 FP

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 412140 7

Company Name: Gandy Marley, Inc. Phone #: 505-347-0434

Address: (Street, City, Zip) PO Box 1658 Fax #: 505-347-0435

Contact Person: Mike Marley or Larry Gandy

Invoice to: (If different from above)

Project #: Annual Sampling (NM-711-1-0020 Project Name: Gandy Marley Landfarm

Project Location: Chaves Co, NM. SW/4 Sec 4, SE/4 Sec 5, NE/4 Sec 8 NW/4 Sec 9 T11S R31E Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	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	Na, Ca, Mg, K, Conductivity, T-Alkalinity	Cl, SO4, CO3, HCO3, pH	Turn Around Time if different from standard	Hold
505 34	OCD Cell # 12	2	4oz		X								X	12/11/04	1207		X	X			X										X	X		
35	OCD Cell # 13	2	4oz		X								X	12/11/04	1228		X	X			X										X	X		
36	OCD Cell # 14	2	4oz		X								X	12/11/04	1250		X	X			X										X	X		
37	OCD Cell # 15	2	4oz		X								X	12/11/04	1323		X	X			X										X	X		
	Temp Blank																																	

Relinquished by: Chapman Barnhill III [signature]	Date: 12/13/04	Time: 10:16	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Vicki [signature]	Date: 12-14-04	Time: 10:24

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp: 2°c
Log-in Review: MK

REMARKS: Bill Gandy Marley Directly for Analysis Costs. Send Copy of Results to CMB PO Box 2314 Roswell NM 88202-2308 or email: Cmbenvironme (?)

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Carrier # TNM10 903 293-0236

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