1R - 1595

WORKPLANS

DATE:

11-1-07

SITE INFORMATION 1RP-1595

REPORT TYPE: Work Plan

Report Date: November 1, 2007

MW

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General Site Information:	
Site:	Rock Queen Unit Tract 11 Tank Battery
Company:	Celero Energy II LP
Section, Township and Range	Section 26 Township 13S Range 31E
Unit Letter:	G
Lease Number:	
County:	Chaves County, New Mexico
GPS:	N33.16250° W103.78889°
Surface Owner:	State
Mineral Owner:	State
Directions:	

Release Data:	
Date Released:	NA
Type Release:	NA
Source of Contamination:	Production Pit Investigation
Fluid Released:	NA
Fluids Recovered:	NA

Official Communication:			
Name:	Bruce Woodard		Tim Reed
Company:	Celero Energy II LP		Highlander Environmental Corp.
Address:	400 W. Illinois, Suite 1601		1910 N. Big Spring
P.O. Box			
City:	Midland, Tx 79701		Midland, Texas
Phone number:	(432) 686-1883		(432) 682- 4559
Email:	bwoodard@celeroenergy.com		treed@hec-enviro.com

Ranking Criteria		
Depth to Groundwater:	*Ranking Score*	*Site Data*
<50 ft	20	
50-99 ft	10	
>100 ft.	0	*Average Depth >100 BS*
WellHead Protection:	*Ranking Score*	*Site Data*
Water Source <1,000 ft., Private <200 ft.	*20*	*None*
Water Source >1,000 ft., Private >200 ft.	*0*	
Surface Body of Water:	*Ranking Score*	*Site Data*
<200 ft.	*20*	*None*
200 ft - 1,000 ft.	10	*None*
>1,000 ft.	0	
Total Ranking Score:	0	

Acceptable Soil RRAL (mg/kg)		
Benzene	*Total BTEX*	*TPH*
10	50	5,000

Highlander Environmental Corp.

Midland, Texas

November 1, 2007

Mr. Larry Johnson
Environmental Engineer Specialist
Oil Conservation Division- District I
1625 N. French Drive
Hobbs, New Mexico 88240

RE: 1RP-1595, Workplan for Capping and Site Closure for the Pit Located at the Rock Queen Unit Tract #11 Tank Battery, Section 26, Township 13 South, Range 31 East, Chaves County, New Mexico, Operated by Celero Energy II LP.

Dear Mr. Johnson:

Celero retained Highlander Environmental (Highlander) of Midland, Texas to investigate this site as part of a due diligence in an acquisition of property operated by Palisades Asset Holding Company, LLC (Palisades).

Background & Previous Work

This production was originally developed in the mid-1950's. Highlander installed one monitoring well at the pit location. The monitoring well (MW-1) at the pit had elevated chlorides. A Groundwater Impact Notification was submitted to the NMOCD on June 18, 2007. The site is shown on Figures 1 and 2.

The Tract 11 Tank Battery pit was dewatered and the residual sludge, tank bottom materials, and liner removed in September 2007. Removed fluids were placed into an existing SWD system or taken to disposal, while the sludge, tank bottom materials, and liner were disposed of at Gandy-Marley, Inc landfill site of Lovington, New Mexico. Upon completion of the removal of the fluids, sludge and liner, the underlying soils were visually inspected for obvious signs of impact. Approximately 960 cubic yard of soil were excavated and hauled to Gandy-Marley, Inc. for disposal. The pit was excavated to a point where the subsoil would support a soil boring rig.

Hydrology

Chaves County is located in the southeastern corner of New Mexico. The area is located in the High Plains Valley section of the Great Plains physiographic province. Rocks of Quaternary, Tertiary, and Triassic age are exposed and contain the principal aquifers. The most prominent aquifer is the Ogallala formation, which underlies the Llano Estacado and forms outliers south of it. Below the Cenozoic rocks are sandstones and shales of the Dockum group of Late Triassic age, from which small quantities of water are obtained. No usable groundwater is obtained from rocks older than the Triassic.

The Ogallala formation consists chiefly of sediments deposited by streams that had their headwaters in the mountainous regions to the west and northwest. The Ogallala formation rests unconformably upon an erosional surface of the underlying Triassic and Cretaceous rocks. The Ogallala is made of beds and lenses of clay, silt, sand, and gravel. Caliche occurs as a secondary deposit in many places in the formation.

Uncontaminated water from the Ogallala formation is high in silica (49 to 73 ppm), and contains moderate concentrations of calcium and magnesium. The dissolved solids content is relatively low, being typically less than 1,100 ppm. Water wells east of Mescalero Ridge derive their water from the Ogallala. The reported depth to groundwater in this area ranges from 100' to 200'. Water wells west of Mescalero Ridge derive water from the Triassic Dockum or Quaternary alluvium. No reported depths to groundwater were found for this area.

Regulatory

Neither the New Mexico State Engineer's Office database nor the USGS database show any wells in Section 26, Township 13 South, Range 31 East. The monitor well installed at this site had a depth to groundwater of 138'.

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Borings

On October 16, 2007, Highlander supervised the installation of soil borings at the pit. Prior to the installation of the borings, a visual inspection was performed around the perimeter of the pit. The area of the pit excavation measured approximately 93' x 105'.

One soil boring (SB-1) was installed in the center of the pit. The remaining boreholes (SB-2, SB-3, SB-4 SB-5, SB-6, SB-7, SB-8 and SB-9) were installed outside the edges of the pit. The boring locations and the approximate edge of the pit are shown on Figure 3.

The boreholes were installed using an air-rotary type drilling rig. Soil samples from soil boring SB-1 were collected at 5 foot intervals to 20' and then 10' intervals thereafter during drilling operations. The samples were field screened for hydrocarbons with a PID, and field screened for chlorides. Soil Samples from the remaining soil borings were collected at 10' intervals to depths up to 100' below ground surface.

The soil samples were field screened for chlorides to determine if impacts showed a distinctive decline with depth. Selected soil samples were analyzed for Total Petroleum Hydrocarbon (TPH) by method modified 8015 DRO/GRO, benzene, toluene, ethylbenzene, and xylene (BTEX) by method 8021B and chloride by method 4500 Cl-B. All samples were collected and preserved in laboratory prepared sample containers with standard QA/QC procedures. All samples were shipped under proper chain-of-custody control and analyzed within the standard holding times. The results of the sampling are shown in Table 1. The laboratory reports and chain of custody are included in Appendix A.

All down hole equipment was washed between boreholes or sampling events using potable water and laboratory grade detergent. All down hole equipment (i.e., drill rods, drill bits, etc.) were thoroughly decontaminated between each use with a high-pressure hot water wash and rinse. Soil cuttings from drilling were stockpiled adjacent to the borehole. Following the completion of the drilling activities, all boreholes were grouted to surface.

Borehole Sample Results

Referring to Table 1, the samples selected for TPH and BTEX analysis were all below the reporting limit. Chloride impact was found throughout SB-1. Horizontal chloride impact was defined inside the perimeter boreholes.

Soil Capping

Highlander proposes the installation of either a one foot compacted clay barrier or a 40 mil impervious, synthetic liner to encapsulate the impacted subsurface soil. The cap area is shown on Figure 3. The pit area will be excavated out approximately 25' north, and 50' to the east and west of the current excavation to provide adequate coverage. The soils will be excavated to a depth of 4.0' below ground surface. The soils removed from the expansion of the pit area will be placed back into the center of the original excavation up to a depth of 4.0'. If a liner is utilized, it will be properly bedded to ensure no ruptures from underlying rock. If clay is used, a copy of the sieve analysis/permeability data is included in Appendix B. Upon completion of the liner/barrier placement, any additional overburden material stripped from the expansion will be utilized to backfill the site and bring it to grade.

When capping activities have been concluded, a work plan for additional groundwater delineation will be submitted to the NMOCD for review. If you require any additional information or have any questions or comments, please call.

Highlander Environmental Corp.

Tim Reed

Timothy M. Reed, P.G.
Vice President

cc: Bruce Woodard – Celero
Wayne Price - NMOCD

FIGURES

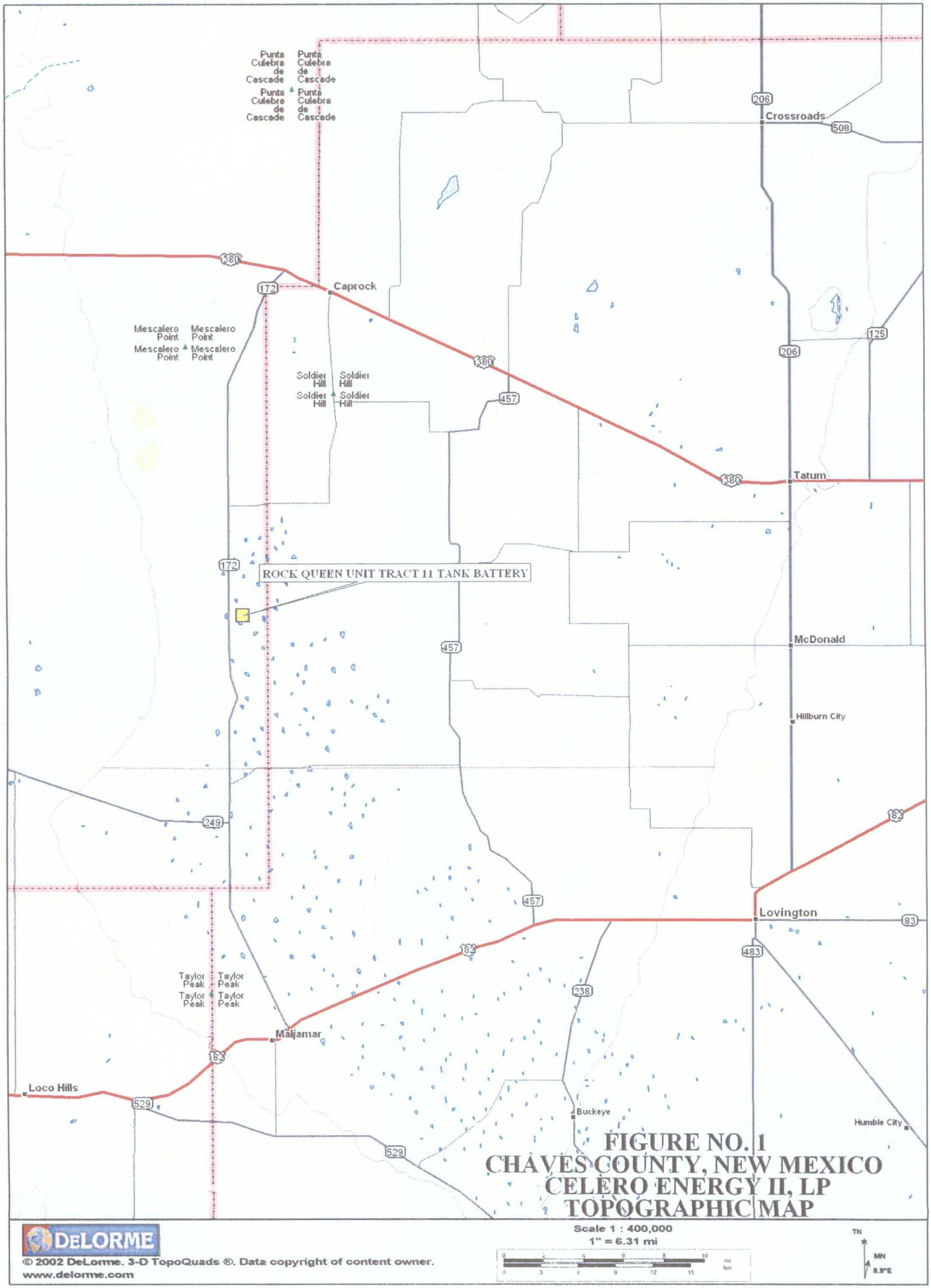


FIGURE NO. 1
CHAVES COUNTY, NEW MEXICO
CELERO ENERGY II, LP
TOPOGRAPHIC MAP

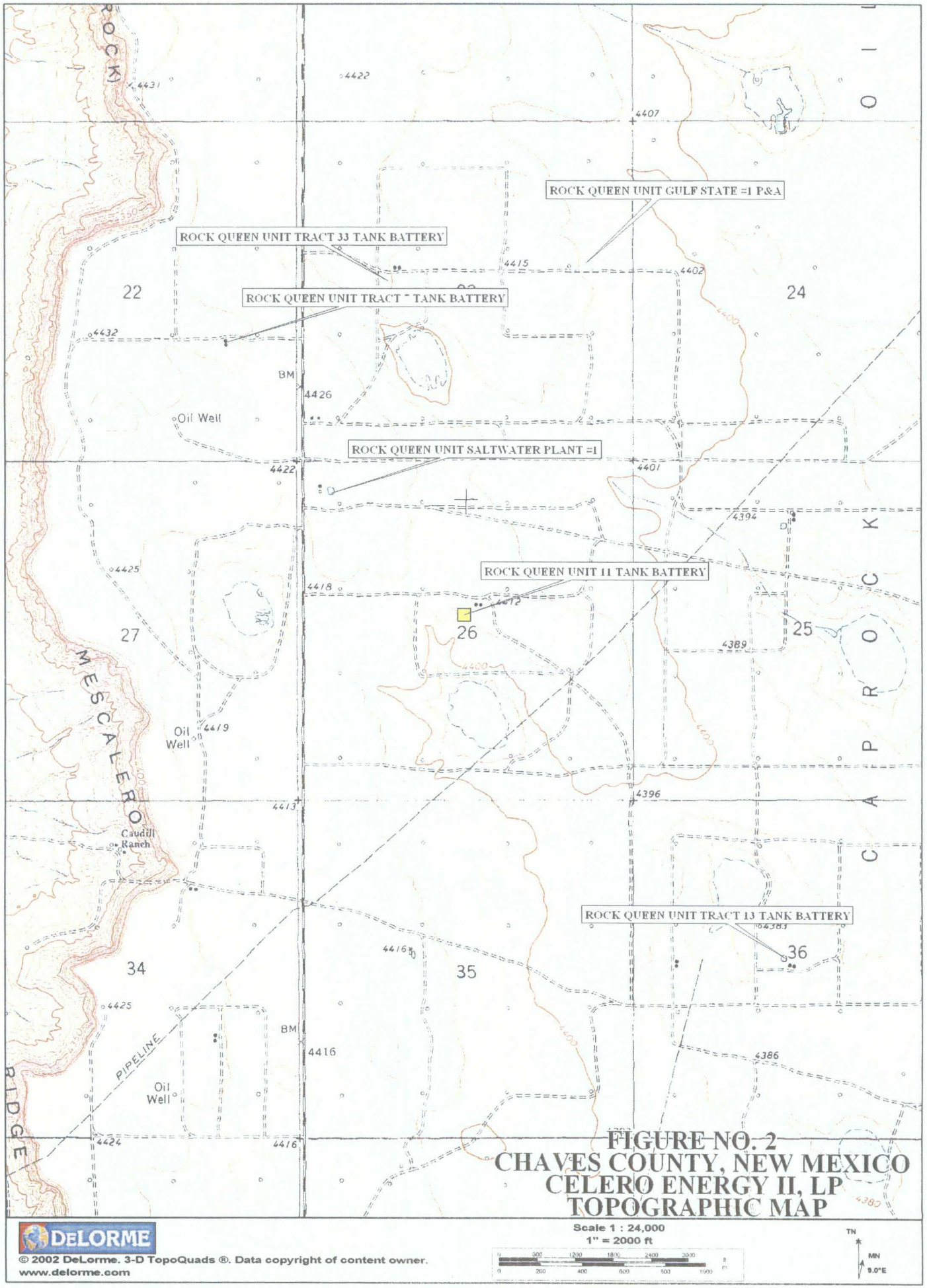
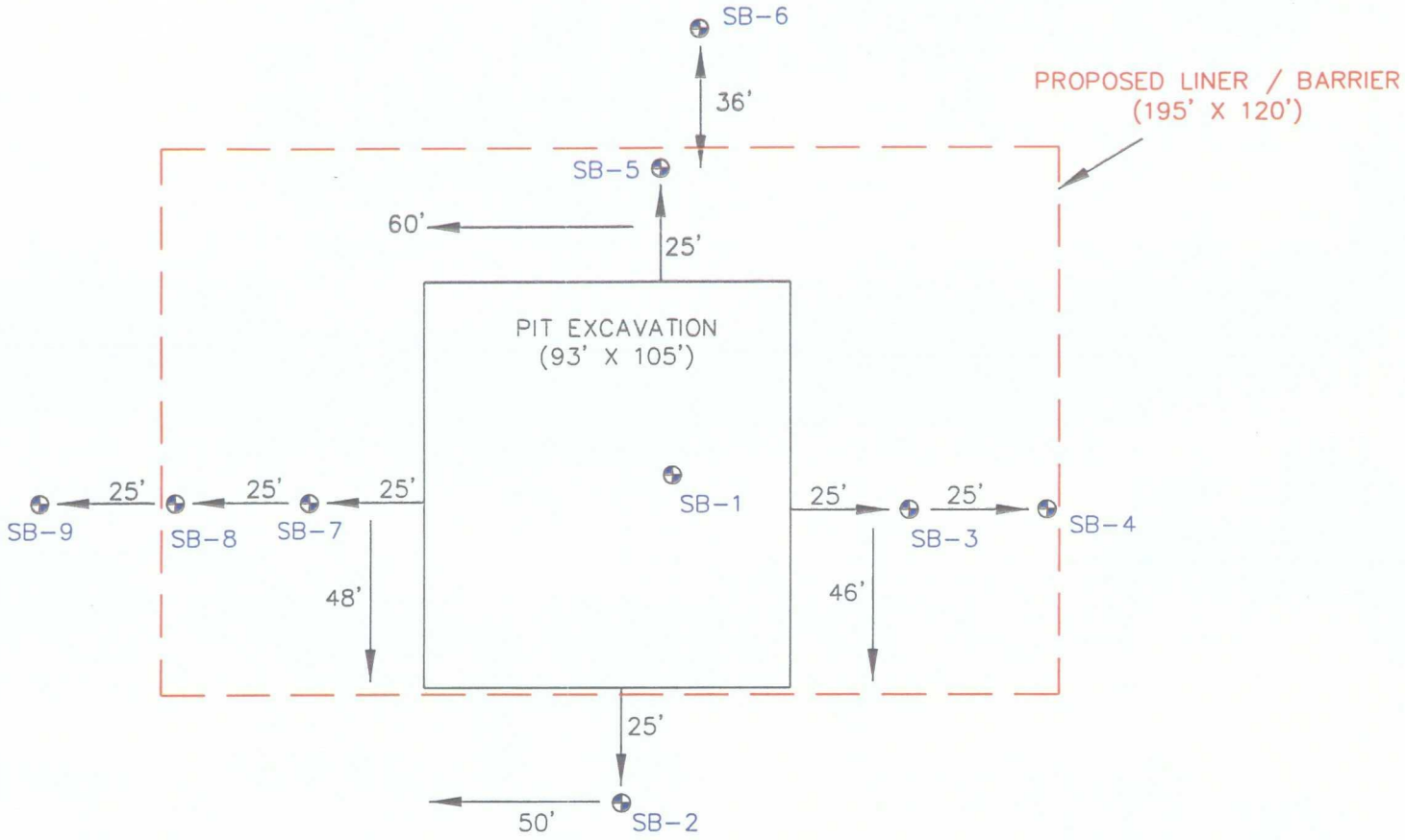


FIGURE NO. 2
CHAVES COUNTY, NEW MEXICO
CELERO ENERGY II, LP
TOPOGRAPHIC MAP



NOT TO SCALE

FIGURE NO. 3

CHAVES COUNTY, NEW MEXICO

CELERO ENERGY
CELERO ROCK QUEEN UNIT TRACT #11
SOIL BORING LOCATIONS

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE: 10/30/07
DWN. BY: RC
FILE: C:\CELERO\3131\CELERO R Q UNIT 11

TABLES

Table 1
Celero Energy
Rock Queen Unit Tract #11
Chaves County, New Mexico

Sample ID	Date Sampled	Excavation Depth (ft)	TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			DRO	GRO	Total					
SB-1	10/16/2007	(3-5')	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	13,400
SB-1	10/16/2007	(8-10')	-	-	-	-	-	-	-	9,330
SB-1	10/16/2007	(13-15')	-	-	-	-	-	-	-	16,400
SB-1	10/16/2007	(18-20')	-	-	-	-	-	-	-	14,700
SB-1	10/16/2007	(28-30')	-	-	-	-	-	-	-	12,600
SB-1	10/16/2007	(38-40')	-	-	-	-	-	-	-	13,600
SB-1	10/16/2007	(48-50')	-	-	-	-	-	-	-	9,020
SB-1	10/16/2007	(58-60')	-	-	-	-	-	-	-	7,590
SB-1	10/16/2007	(68-70')	-	-	-	-	-	-	-	12,200
SB-1	10/16/2007	(78-80')	-	-	-	-	-	-	-	15,200
SB-1	10/16/2007	(88-90')	-	-	-	-	-	-	-	7,710
SB-1	10/16/2007	(98-100')	-	-	-	-	-	-	-	7,540
SB-2	10/16/2007	(8-10')	-	-	-	-	-	-	-	1,280
SB-2	10/16/2007	(18-20')	-	-	-	-	-	-	-	709
SB-2	10/16/2007	(28-30')	-	-	-	-	-	-	-	117
SB-2	10/16/2007	(38-40')	-	-	-	-	-	-	-	<100
SB-2	10/16/2007	(48-50')	-	-	-	-	-	-	-	260
SB-3	10/16/2007	(8-10')	-	-	-	-	-	-	-	5,080
SB-3	10/16/2007	(18-20')	-	-	-	-	-	-	-	6,250
SB-3	10/16/2007	(28-30')	-	-	-	-	-	-	-	2,560
SB-3	10/16/2007	(38-40')	-	-	-	-	-	-	-	3,410
SB-3	10/16/2007	(48-50')	-	-	-	-	-	-	-	3,600
SB-4	10/16/2007	(8-10')	-	-	-	-	-	-	-	3,300
SB-4	10/16/2007	(18-20')	-	-	-	-	-	-	-	1,030
SB-4	10/16/2007	(28-30')	-	-	-	-	-	-	-	532
SB-4	10/16/2007	(38-40')	-	-	-	-	-	-	-	237
SB-4	10/16/2007	(48-50')	-	-	-	-	-	-	-	142
SB-5	10/16/2007	(8-10')	-	-	-	-	-	-	-	954
SB-5	10/16/2007	(18-20')	-	-	-	-	-	-	-	1,770
SB-5	10/16/2007	(28-30')	-	-	-	-	-	-	-	2,720
SB-5	10/16/2007	(38-40')	-	-	-	-	-	-	-	4,350
SB-5	10/16/2007	(48-50')	-	-	-	-	-	-	-	5,560
SB-6	10/16/2007	(8-10')	-	-	-	-	-	-	-	208

Table 1
Celero Energy
Rock Queen Unit Tract #11
Chaves County, New Mexico

Sample ID	Date Sampled	Excavation Depth (ft)	TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			DRO	GRO	Total					
SB-6	10/16/2007	(18-20')	-	-	-	-	-	-	-	172
SB-6	10/16/2007	(28-30')	-	-	-	-	-	-	-	325
SB-6	10/16/2007	(38-40')	-	-	-	-	-	-	-	604
SB-6	10/16/2007	(48-50')	-	-	-	-	-	-	-	807
SB-7	10/16/2007	(8-10')	-	-	-	-	-	-	-	1,500
SB-7	10/16/2007	(18-20')	-	-	-	-	-	-	-	2,670
SB-7	10/16/2007	(28-30')	-	-	-	-	-	-	-	3,640
SB-7	10/16/2007	(38-40')	-	-	-	-	-	-	-	5,490
SB-7	10/16/2007	(48-50')	-	-	-	-	-	-	-	6,320
SB-8	10/16/2007	(8-10')	-	-	-	-	-	-	-	604
SB-8	10/16/2007	(18-20')	-	-	-	-	-	-	-	4,150
SB-8	10/16/2007	(28-30')	-	-	-	-	-	-	-	4,990
SB-8	10/16/2007	(38-40')	-	-	-	-	-	-	-	5,930
SB-8	10/16/2007	(48-50')	-	-	-	-	-	-	-	3,290
SB-9	10/16/2007	(8-10')	-	-	-	-	-	-	-	200
SB-9	10/16/2007	(18-20')	-	-	-	-	-	-	-	2,680
SB-9	10/16/2007	(28-30')	-	-	-	-	-	-	-	220
SB-9	10/16/2007	(38-40')	-	-	-	-	-	-	-	374
SB-9	10/16/2007	(48-50')	-	-	-	-	-	-	-	<100

(-) Not Analyzed

APPENDIX A

Summary Report

Tim Reed
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 1, 2007

Work Order: 7102210

Project Name: Rock Queen Unit 11
Project Number: 3131

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139812	SB-1 (3-5')	soil	2007-10-16	00:00	2007-10-22
139813	SB-1 (8-10')	soil	2007-10-16	00:00	2007-10-22
139814	SB-1 (13-15')	soil	2007-10-16	00:00	2007-10-22
139815	SB-1 (18-20')	soil	2007-10-16	00:00	2007-10-22
139816	SB-1 (28-30')	soil	2007-10-16	00:00	2007-10-22
139817	SB-1 (38-40')	soil	2007-10-16	00:00	2007-10-22
139818	SB-1 (48-50')	soil	2007-10-16	00:00	2007-10-22
139819	SB-1 (58-60')	soil	2007-10-16	00:00	2007-10-22
139820	SB-1 (68-70')	soil	2007-10-16	00:00	2007-10-22
139821	SB-1 (78-80')	soil	2007-10-16	00:00	2007-10-22
139822	SB-1 (88-90')	soil	2007-10-16	00:00	2007-10-22
139823	SB-1 (98-100')	soil	2007-10-16	00:00	2007-10-22
139824	SB-2 (8-10')	soil	2007-10-16	00:00	2007-10-22
139825	SB-2 (18-20')	soil	2007-10-16	00:00	2007-10-22
139826	SB-2 (28-30')	soil	2007-10-16	00:00	2007-10-22
139827	SB-2 (38-40')	soil	2007-10-16	00:00	2007-10-22
139828	SB-2 (48-50')	soil	2007-10-16	00:00	2007-10-22
139829	SB-3 (8-10')	soil	2007-10-16	00:00	2007-10-22
139830	SB-3 (18-20')	soil	2007-10-16	00:00	2007-10-22
139831	SB-3 (28-30')	soil	2007-10-16	00:00	2007-10-22
139832	SB-3 (38-40')	soil	2007-10-16	00:00	2007-10-22
139833	SB-3 (48-50')	soil	2007-10-16	00:00	2007-10-22
139834	SB-4 (8-10')	soil	2007-10-16	00:00	2007-10-22
139835	SB-4 (18-20')	soil	2007-10-16	00:00	2007-10-22
139836	SB-4 (28-30')	soil	2007-10-16	00:00	2007-10-22
139837	SB-4 (38-40')	soil	2007-10-16	00:00	2007-10-22
139838	SB-4 (48-50')	soil	2007-10-16	00:00	2007-10-22
139839	SB-5 (8-10')	soil	2007-10-16	00:00	2007-10-22
139840	SB-5 (18-20')	soil	2007-10-16	00:00	2007-10-22
139841	SB-5 (28-30')	soil	2007-10-16	00:00	2007-10-22
139842	SB-5 (38-40')	soil	2007-10-16	00:00	2007-10-22
139843	SB-5 (48-50')	soil	2007-10-16	00:00	2007-10-22
139844	SB-6 (8-10')	soil	2007-10-16	00:00	2007-10-22
139845	SB-6 (18-20')	soil	2007-10-16	00:00	2007-10-22
139846	SB-6 (28-30')	soil	2007-10-16	00:00	2007-10-22
139847	SB-6 (38-40')	soil	2007-10-16	00:00	2007-10-22
139848	SB-6 (48-50')	soil	2007-10-16	00:00	2007-10-22

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139849	SB-7 (8-10')	soil	2007-10-16	00:00	2007-10-22
139850	SB-7 (18-20')	soil	2007-10-16	00:00	2007-10-22
139851	SB-7 (28-30')	soil	2007-10-16	00:00	2007-10-22
139852	SB-7 (38-40')	soil	2007-10-16	00:00	2007-10-22
139853	SB-7 (48-50')	soil	2007-10-16	00:00	2007-10-22
139854	SB-8 (8-10')	soil	2007-10-16	00:00	2007-10-22
139855	SB-8 (18-20')	soil	2007-10-16	00:00	2007-10-22
139856	SB-8 (28-30')	soil	2007-10-16	00:00	2007-10-22
139857	SB-8 (38-40')	soil	2007-10-16	00:00	2007-10-22
139858	SB-8 (48-50')	soil	2007-10-16	00:00	2007-10-22
139859	SB-9 (8-10')	soil	2007-10-16	00:00	2007-10-22
139860	SB-9 (18-20')	soil	2007-10-16	00:00	2007-10-22
139861	SB-9 (28-30')	soil	2007-10-16	00:00	2007-10-22
139862	SB-9 (38-40')	soil	2007-10-16	00:00	2007-10-22
139863	SB-9 (48-50')	soil	2007-10-16	00:00	2007-10-22

	BTEX				TPH DRO	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
139812 - SB-1 (3-5')	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00

Sample: 139812 - SB-1 (3-5')

Param	Flag	Result	Units	RL
Chloride		**13400**	mg/Kg	2.00

Sample: 139813 - SB-1 (8-10')

Param	Flag	Result	Units	RL
Chloride		**9330**	mg/Kg	2.00

Sample: 139814 - SB-1 (13-15')

Param	Flag	Result	Units	RL
Chloride		**16400**	mg/Kg	2.00

Sample: 139815 - SB-1 (18-20')

Param	Flag	Result	Units	RL
Chloride		**14700**	mg/Kg	2.00

Sample: 139816 - SB-1 (28-30')

Param	Flag	Result	Units	RL
Chloride		**12600**	mg/Kg	2.00

Sample: 139817 - SB-1 (38-40')

Param	Flag	Result	Units	RL
Chloride		**13600**	mg/Kg	2.00

Sample: 139818 - SB-1 (48-50')

Param	Flag	Result	Units	RL
Chloride		**9020**	mg/Kg	2.00

Sample: 139819 - SB-1 (58-60')

Param	Flag	Result	Units	RL
Chloride		**7590**	mg/Kg	2.00

Sample: 139820 - SB-1 (68-70')

Param	Flag	Result	Units	RL
Chloride		**12200**	mg/Kg	2.00

Sample: 139821 - SB-1 (78-80')

Param	Flag	Result	Units	RL
Chloride		**15200**	mg/Kg	2.00

Sample: 139822 - SB-1 (88-90')

Param	Flag	Result	Units	RL
Chloride		**7710**	mg/Kg	2.00

Sample: 139823 - SB-1 (98-100')

Param	Flag	Result	Units	RL
Chloride		**7540**	mg/Kg	2.00

Sample: 139824 - SB-2 (8-10')

Param	Flag	Result	Units	RL
Chloride		**1280**	mg/Kg	2.00

Sample: 139825 - SB-2 (18-20')

continued ...

sample 139825 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**709**	mg/Kg	2.00

Sample: 139826 - SB-2 (28-30')

Param	Flag	Result	Units	RL
Chloride		**117**	mg/Kg	2.00

Sample: 139827 - SB-2 (38-40')

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 139828 - SB-2 (48-50')

Param	Flag	Result	Units	RL
Chloride		**260**	mg/Kg	2.00

Sample: 139829 - SB-3 (8-10')

Param	Flag	Result	Units	RL
Chloride		**5080**	mg/Kg	2.00

Sample: 139830 - SB-3 (18-20')

Param	Flag	Result	Units	RL
Chloride		**6250**	mg/Kg	2.00

Sample: 139831 - SB-3 (28-30')

Param	Flag	Result	Units	RL
Chloride		**2560**	mg/Kg	2.00

Sample: 139832 - SB-3 (38-40')

Param	Flag	Result	Units	RL
Chloride		**3410**	mg/Kg	2.00

Sample: 139833 - SB-3 (48-50')

Param	Flag	Result	Units	RL
Chloride		**3600**	mg/Kg	2.00

Sample: 139834 - SB-4 (8-10')

Param	Flag	Result	Units	RL
Chloride		**3300**	mg/Kg	2.00

Sample: 139835 - SB-4 (18-20')

Param	Flag	Result	Units	RL
Chloride		**1030**	mg/Kg	2.00

Sample: 139836 - SB-4 (28-30')

Param	Flag	Result	Units	RL
Chloride		**532**	mg/Kg	2.00

Sample: 139837 - SB-4 (38-40')

Param	Flag	Result	Units	RL
Chloride		**237**	mg/Kg	2.00

Sample: 139838 - SB-4 (48-50')

Param	Flag	Result	Units	RL
Chloride		**142**	mg/Kg	2.00

Sample: 139839 - SB-5 (8-10')

Param	Flag	Result	Units	RL
Chloride		**954**	mg/Kg	2.00

Sample: 139840 - SB-5 (18-20')

Param	Flag	Result	Units	RL
Chloride		**1770**	mg/Kg	2.00

Sample: 139841 - SB-5 (28-30')

Param	Flag	Result	Units	RL
Chloride		**2720**	mg/Kg	2.00

Sample: 139842 - SB-5 (38-40')

Param	Flag	Result	Units	RL
Chloride		**4350**	mg/Kg	2.00

Sample: 139843 - SB-5 (48-50')

Param	Flag	Result	Units	RL
Chloride		**5560**	mg/Kg	2.00

Sample: 139844 - SB-6 (8-10')

Param	Flag	Result	Units	RL
Chloride		**208**	mg/Kg	2.00

Sample: 139845 - SB-6 (18-20')

Param	Flag	Result	Units	RL
Chloride		**172**	mg/Kg	2.00

Sample: 139846 - SB-6 (28-30')

Param	Flag	Result	Units	RL
Chloride		**325**	mg/Kg	2.00

Sample: 139847 - SB-6 (38-40')

Param	Flag	Result	Units	RL
Chloride		**604**	mg/Kg	2.00

Sample: 139848 - SB-6 (48-50')

Param	Flag	Result	Units	RL
Chloride		**807**	mg/Kg	2.00

Sample: 139849 - SB-7 (8-10')

Param	Flag	Result	Units	RL
Chloride		**1500**	mg/Kg	2.00

Sample: 139850 - SB-7 (18-20')

continued ...

sample 139850 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**2670**	mg/Kg	2.00

Sample: 139851 - SB-7 (28-30')

Param	Flag	Result	Units	RL
Chloride		**3640**	mg/Kg	2.00

Sample: 139852 - SB-7 (38-40')

Param	Flag	Result	Units	RL
Chloride		**5490**	mg/Kg	2.00

Sample: 139853 - SB-7 (48-50')

Param	Flag	Result	Units	RL
Chloride		**6320**	mg/Kg	2.00

Sample: 139854 - SB-8 (8-10')

Param	Flag	Result	Units	RL
Chloride		**604**	mg/Kg	2.00

Sample: 139855 - SB-8 (18-20')

Param	Flag	Result	Units	RL
Chloride		**4150**	mg/Kg	2.00

Sample: 139856 - SB-8 (28-30')

Param	Flag	Result	Units	RL
Chloride		**4990**	mg/Kg	2.00

Sample: 139857 - SB-8 (38-40')

Param	Flag	Result	Units	RL
Chloride		**5930**	mg/Kg	2.00

Sample: 139858 - SB-8 (48-50')

Param	Flag	Result	Units	RL
Chloride		**3290**	mg/Kg	2.00

Sample: 139859 - SB-9 (8-10')

Param	Flag	Result	Units	RL
Chloride		**200**	mg/Kg	2.00

Sample: 139860 - SB-9 (18-20')

Param	Flag	Result	Units	RL
Chloride		**2680**	mg/Kg	2.00

Sample: 139861 - SB-9 (28-30')

Param	Flag	Result	Units	RL
Chloride		**220**	mg/Kg	2.00

Sample: 139862 - SB-9 (38-40')

Param	Flag	Result	Units	RL
Chloride		**374**	mg/Kg	2.00

Sample: 139863 - SB-9 (48-50')

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

TRACEANALYSIS, INC.

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

Analytical and Quality Control Report

Tim Reed
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 1, 2007

Work Order: 7102210

Project Name: Rock Queen Unit 11
Project Number: 3131

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
139812	SB-1 (3-5')	soil	2007-10-16	00:00	2007-10-22
139813	SB-1 (8-10')	soil	2007-10-16	00:00	2007-10-22
139814	SB-1 (13-15')	soil	2007-10-16	00:00	2007-10-22
139815	SB-1 (18-20')	soil	2007-10-16	00:00	2007-10-22
139816	SB-1 (28-30')	soil	2007-10-16	00:00	2007-10-22
139817	SB-1 (38-40')	soil	2007-10-16	00:00	2007-10-22
139818	SB-1 (48-50')	soil	2007-10-16	00:00	2007-10-22
139819	SB-1 (58-60')	soil	2007-10-16	00:00	2007-10-22
139820	SB-1 (68-70')	soil	2007-10-16	00:00	2007-10-22
139821	SB-1 (78-80')	soil	2007-10-16	00:00	2007-10-22
139822	SB-1 (88-90')	soil	2007-10-16	00:00	2007-10-22
139823	SB-1 (98-100')	soil	2007-10-16	00:00	2007-10-22
139824	SB-2 (8-10')	soil	2007-10-16	00:00	2007-10-22
139825	SB-2 (18-20')	soil	2007-10-16	00:00	2007-10-22
139826	SB-2 (28-30')	soil	2007-10-16	00:00	2007-10-22
139827	SB-2 (38-40')	soil	2007-10-16	00:00	2007-10-22
139828	SB-2 (48-50')	soil	2007-10-16	00:00	2007-10-22
139829	SB-3 (8-10')	soil	2007-10-16	00:00	2007-10-22
139830	SB-3 (18-20')	soil	2007-10-16	00:00	2007-10-22
139831	SB-3 (28-30')	soil	2007-10-16	00:00	2007-10-22
139832	SB-3 (38-40')	soil	2007-10-16	00:00	2007-10-22
139833	SB-3 (48-50')	soil	2007-10-16	00:00	2007-10-22
139834	SB-4 (8-10')	soil	2007-10-16	00:00	2007-10-22
139835	SB-4 (18-20')	soil	2007-10-16	00:00	2007-10-22

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139836	SB-4 (28-30')	soil	2007-10-16	00:00	2007-10-22
139837	SB-4 (38-40')	soil	2007-10-16	00:00	2007-10-22
139838	SB-4 (48-50')	soil	2007-10-16	00:00	2007-10-22
139839	SB-5 (8-10')	soil	2007-10-16	00:00	2007-10-22
139840	SB-5 (18-20')	soil	2007-10-16	00:00	2007-10-22
139841	SB-5 (28-30')	soil	2007-10-16	00:00	2007-10-22
139842	SB-5 (38-40')	soil	2007-10-16	00:00	2007-10-22
139843	SB-5 (48-50')	soil	2007-10-16	00:00	2007-10-22
139844	SB-6 (8-10')	soil	2007-10-16	00:00	2007-10-22
139845	SB-6 (18-20')	soil	2007-10-16	00:00	2007-10-22
139846	SB-6 (28-30')	soil	2007-10-16	00:00	2007-10-22
139847	SB-6 (38-40')	soil	2007-10-16	00:00	2007-10-22
139848	SB-6 (48-50')	soil	2007-10-16	00:00	2007-10-22
139849	SB-7 (8-10')	soil	2007-10-16	00:00	2007-10-22
139850	SB-7 (18-20')	soil	2007-10-16	00:00	2007-10-22
139851	SB-7 (28-30')	soil	2007-10-16	00:00	2007-10-22
139852	SB-7 (38-40')	soil	2007-10-16	00:00	2007-10-22
139853	SB-7 (48-50')	soil	2007-10-16	00:00	2007-10-22
139854	SB-8 (8-10')	soil	2007-10-16	00:00	2007-10-22
139855	SB-8 (18-20')	soil	2007-10-16	00:00	2007-10-22
139856	SB-8 (28-30')	soil	2007-10-16	00:00	2007-10-22
139857	SB-8 (38-40')	soil	2007-10-16	00:00	2007-10-22
139858	SB-8 (48-50')	soil	2007-10-16	00:00	2007-10-22
139859	SB-9 (8-10')	soil	2007-10-16	00:00	2007-10-22
139860	SB-9 (18-20')	soil	2007-10-16	00:00	2007-10-22
139861	SB-9 (28-30')	soil	2007-10-16	00:00	2007-10-22
139862	SB-9 (38-40')	soil	2007-10-16	00:00	2007-10-22
139863	SB-9 (48-50')	soil	2007-10-16	00:00	2007-10-22

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

This report consists of a total of 28 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project Rock Queen Unit 11 were received by TraceAnalysis, Inc. on 2007-10-22 and assigned to work order 7102210. Samples for work order 7102210 were received intact at a temperature of 1.8 deg C.

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

Test	Method
BTEX	S 8021B
Chloride (Titration)	SM 4500-Cl B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7102210 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Analytical Report

Sample: 139812 - SB-1 (3-5')

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42329	Date Analyzed:	2007-10-23	Analyzed By:	DC
Prep Batch:	36547	Sample Preparation:	2007-10-23	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.762	mg/Kg	1	1.00	76	39.6 - 116
4-Bromofluorobenzene (4-BFB)		0.727	mg/Kg	1	1.00	73	47.3 - 144.2

Sample: 139812 - SB-1 (3-5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**13400**	mg/Kg	50	2.00

Sample: 139812 - SB-1 (3-5')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42274	Date Analyzed:	2007-10-23	Analyzed By:	LD
Prep Batch:	36501	Sample Preparation:	2007-10-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	150	88	17.3 - 169.6

Sample: 139812 - SB-1 (3-5')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42333	Date Analyzed:	2007-10-23	Analyzed By:	DC
Prep Batch:	36547	Sample Preparation:	2007-10-23	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.630	mg/Kg	1	1.00	63	50.2 - 89.3
4-Bromofluorobenzene (4-BFB)		0.776	mg/Kg	1	1.00	78	51.2 - 107.4

Sample: 139813 - SB-1 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**9330**	mg/Kg	50	2.00

Sample: 139814 - SB-1 (13-15')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**16400**	mg/Kg	50	2.00

Sample: 139815 - SB-1 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**14700**	mg/Kg	50	2.00

Sample: 139816 - SB-1 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12600**	mg/Kg	50	2.00

Sample: 139817 - SB-1 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**13600**	mg/Kg	50	2.00

Sample: 139818 - SB-1 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42441	Date Analyzed:	2007-10-26	Analyzed By:	AR
Prep Batch:	36634	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**9020**	mg/Kg	50	2.00

Sample: 139819 - SB-1 (58-60')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7590**	mg/Kg	50	2.00

Sample: 139820 - SB-1 (68-70')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12200**	mg/Kg	50	2.00

Sample: 139821 - SB-1 (78-80')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

continued ...

sample 139821 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**15200**	mg/Kg	50	2.00

Sample: 139822 - SB-1 (88-90')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7710**	mg/Kg	50	2.00

Sample: 139823 - SB-1 (98-100')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7540**	mg/Kg	50	2.00

Sample: 139824 - SB-2 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1280**	mg/Kg	50	2.00

Sample: 139825 - SB-2 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**709**	mg/Kg	50	2.00

Sample: 139826 - SB-2 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**117**	mg/Kg	50	2.00

Sample: 139827 - SB-2 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Sample: 139828 - SB-2 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42544	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36716	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**260**	mg/Kg	50	2.00

Sample: 139829 - SB-3 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5080**	mg/Kg	50	2.00

Sample: 139830 - SB-3 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

continued ...

sample 139830 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6250**	mg/Kg	50	2.00

Sample: 139831 - SB-3 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2560**	mg/Kg	50	2.00

Sample: 139832 - SB-3 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3410**	mg/Kg	50	2.00

Sample: 139833 - SB-3 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3600**	mg/Kg	50	2.00

Sample: 139834 - SB-4 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3300**	mg/Kg	50	2.00

Sample: 139835 - SB-4 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1030**	mg/Kg	50	2.00

Sample: 139836 - SB-4 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**532**	mg/Kg	50	2.00

Sample: 139837 - SB-4 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**237**	mg/Kg	50	2.00

Sample: 139838 - SB-4 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42545	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36717	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**142**	mg/Kg	50	2.00

Sample: 139839 - SB-5 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

continued ...

sample 139839 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**954**	mg/Kg	50	2.00

Sample: 139840 - SB-5 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1770**	mg/Kg	50	2.00

Sample: 139841 - SB-5 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2720**	mg/Kg	50	2.00

Sample: 139842 - SB-5 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4350**	mg/Kg	50	2.00

Sample: 139843 - SB-5 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5560**	mg/Kg	50	2.00

Sample: 139844 - SB-6 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**208**	mg/Kg	50	2.00

Sample: 139845 - SB-6 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**172**	mg/Kg	50	2.00

Sample: 139846 - SB-6 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**325**	mg/Kg	50	2.00

Sample: 139847 - SB-6 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**604**	mg/Kg	50	2.00

Sample: 139848 - SB-6 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42546	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36718	Sample Preparation:		Prepared By:	AR

continued ...

sample 139848 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**807**	mg/Kg	50	2.00

Sample: 139849 - SB-7 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1500**	mg/Kg	50	2.00

Sample: 139850 - SB-7 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2670**	mg/Kg	50	2.00

Sample: 139851 - SB-7 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3640**	mg/Kg	50	2.00

Sample: 139852 - SB-7 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5490**	mg/Kg	50	2.00

Sample: 139853 - SB-7 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6320**	mg/Kg	50	2.00

Sample: 139854 - SB-8 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**604**	mg/Kg	50	2.00

Sample: 139855 - SB-8 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4150**	mg/Kg	50	2.00

Sample: 139856 - SB-8 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4990**	mg/Kg	50	2.00

Sample: 139857 - SB-8 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

continued ...

sample 139857 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5930**	mg/Kg	50	2.00

Sample: 139858 - SB-8 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42547	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36719	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3290**	mg/Kg	50	2.00

Sample: 139859 - SB-9 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42558	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36730	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**200**	mg/Kg	50	2.00

Sample: 139860 - SB-9 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42558	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36730	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2680**	mg/Kg	50	2.00

Sample: 139861 - SB-9 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42558	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36730	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**220**	mg/Kg	50	2.00

Sample: 139862 - SB-9 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42558	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36730	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**374**	mg/Kg	50	2.00

Sample: 139863 - SB-9 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42558	Date Analyzed:	2007-10-30	Analyzed By:	AR
Prep Batch:	36730	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Method Blank (1) QC Batch: 42274

QC Batch:	42274	Date Analyzed:	2007-10-23	Analyzed By:	LD
Prep Batch:	36501	QC Preparation:	2007-10-23	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		23.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		109	mg/Kg	1	150	73	32.9 - 156.1

Method Blank (1) QC Batch: 42329

QC Batch:	42329	Date Analyzed:	2007-10-23	Analyzed By:	DC
Prep Batch:	36547	QC Preparation:	2007-10-23	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.747	mg/Kg	1	1.00	75	58.2 - 121.3
4-Bromofluorobenzene (4-BFB)		0.543	mg/Kg	1	1.00	54	53.1 - 111.6

Method Blank (1) QC Batch: 42333

QC Batch:	42333	Date Analyzed:	2007-10-23
Prep Batch:	36547	QC Preparation:	2007-10-23

Analyzed By: DC
Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.706	mg/Kg	1	1.00	71	67.8 - 103
4-Bromofluorobenzene (4-BFB)		0.576	mg/Kg	1	1.00	58	24.6 - 123

Method Blank (1) QC Batch: 42441

QC Batch:	42441	Date Analyzed:	2007-10-26
Prep Batch:	36634	QC Preparation:	2007-10-26

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 42544

QC Batch:	42544	Date Analyzed:	2007-10-30
Prep Batch:	36716	QC Preparation:	2007-10-30

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 42545

QC Batch:	42545	Date Analyzed:	2007-10-30
Prep Batch:	36717	QC Preparation:	2007-10-30

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 42546

QC Batch:	42546	Date Analyzed:	2007-10-30
Prep Batch:	36718	QC Preparation:	2007-10-30

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 42547

QC Batch: 42547 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36719 QC Preparation: 2007-10-30 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 42558

QC Batch: 42558 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36730 QC Preparation: 2007-10-30 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 42274 Date Analyzed: 2007-10-23 Analyzed By: LD
Prep Batch: 36501 QC Preparation: 2007-10-23 Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	333	mg/Kg	1	250	<13.4	133	49.1 - 142.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	317	mg/Kg	1	250	<13.4	127	49.1 - 142.3	5	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	140	129	mg/Kg	1	150	93	86	49 - 133.2

Laboratory Control Spike (LCS-1)

QC Batch: 42329 Date Analyzed: 2007-10-23 Analyzed By: DC
Prep Batch: 36547 QC Preparation: 2007-10-23 Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.878	mg/Kg	1	1.00	<0.00110	88	71.2 - 119
Toluene	0.893	mg/Kg	1	1.00	<0.00150	89	76.3 - 116.5
Ethylbenzene	0.892	mg/Kg	1	1.00	<0.00160	89	77.6 - 114
Xylene	2.71	mg/Kg	1	3.00	<0.00410	90	78.8 - 113.9

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.933	mg/Kg	1	1.00	<0.00110	93	71.2 - 119	6	20
Toluene	0.980	mg/Kg	1	1.00	<0.00150	98	76.3 - 116.5	9	20
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00160	102	77.6 - 114	13	20
Xylene	3.10	mg/Kg	1	3.00	<0.00410	103	78.8 - 113.9	13	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.658	0.650	mg/Kg	1	1.00	66	65	56.1 - 107.8
4-Bromofluorobenzene (4-BFB)	0.660	0.722	mg/Kg	1	1.00	66	72	56.2 - 118.8

Laboratory Control Spike (LCS-1)

QC Batch: 42333 Date Analyzed: 2007-10-23 Analyzed By: DC
Prep Batch: 36547 QC Preparation: 2007-10-23 Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.43	mg/Kg	1	10.0	<0.739	74	56 - 105.2

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.65	mg/Kg	1	10.0	<0.739	76	56 - 105.2	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.865	0.890	mg/Kg	1	1.00	86	89	61.1 - 148.1
4-Bromofluorobenzene (4-BFB)	0.738	0.728	mg/Kg	1	1.00	74	73	67.2 - 119.2

Laboratory Control Spike (LCS-1)

QC Batch: 42441 Date Analyzed: 2007-10-26 Analyzed By: AR
Prep Batch: 36634 QC Preparation: 2007-10-26 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<0.500	101	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 42544 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36716 QC Preparation: 2007-10-30 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	91.7	mg/Kg	1	100	<0.500	92	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	92.8	mg/Kg	1	100	<0.500	93	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 42545 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36717 QC Preparation: 2007-10-30 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<0.500	101	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<0.500	102	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 42546 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36718 QC Preparation: 2007-10-30 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	mg/Kg	1	100	<0.500	98	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.6	mg/Kg	1	100	<0.500	100	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 42547 | Date Analyzed: 2007-10-30 | Analyzed By: AR
Prep Batch: 36719 | QC Preparation: 2007-10-30 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.0	mg/Kg	1	100	<0.500	99	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 42558 | Date Analyzed: 2007-10-30 | Analyzed By: AR
Prep Batch: 36730 | QC Preparation: 2007-10-30 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.0	mg/Kg	1	100	<0.500	97	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.0	mg/Kg	1	100	<0.500	98	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 139812

QC Batch: 42274 | Date Analyzed: 2007-10-23 | Analyzed By: LD
Prep Batch: 36501 | QC Preparation: 2007-10-23 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	223	mg/Kg	1	250	<13.4	89	30.2 - 201.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	249	mg/Kg	1	250	<13.4	100	30.2 - 201.4	11	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	127	120	mg/Kg	1	150	85	80	10 - 194

Matrix Spike (MS-1) Spiked Sample: 139757

QC Batch: 42329 | Date Analyzed: 2007-10-23 | Analyzed By: DC
Prep Batch: 36547 | QC Preparation: 2007-10-23 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.847	mg/Kg	1	1.00	<0.00110	85	65.7 - 119.1
Toluene	0.900	mg/Kg	1	1.00	<0.00150	90	47.7 - 153.8
Ethylbenzene	0.939	mg/Kg	1	1.00	<0.00160	94	73.5 - 126.3
Xylene	2.87	mg/Kg	1	3.00	<0.00410	96	73.6 - 125.9

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.910	mg/Kg	1	1.00	<0.00110	91	65.7 - 119.1	7	20
Toluene	0.952	mg/Kg	1	1.00	<0.00150	95	47.7 - 153.8	6	20
Ethylbenzene	0.966	mg/Kg	1	1.00	<0.00160	97	73.5 - 126.3	3	20
Xylene	2.94	mg/Kg	1	3.00	<0.00410	98	73.6 - 125.9	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.651	0.662	mg/Kg	1	1	65	66	51 - 109.6
4-Bromofluorobenzene (4-BFB)	0.707	0.636	mg/Kg	1	1	71	64	60.3 - 124.3

Matrix Spike (MS-1) Spiked Sample: 139812

QC Batch: 42333 | Date Analyzed: 2007-10-23 | Analyzed By: DC
Prep Batch: 36547 | QC Preparation: 2007-10-23 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	5.99	mg/Kg	1	10.0	<0.739	60	10 - 102.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	5.56	mg/Kg	1	10.0	<0.739	56	10 - 102.2	7	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.514	0.553	mg/Kg	1	1	51	55	47.2 - 84.2
4-Bromofluorobenzene (4-BFB)	0.823	0.825	mg/Kg	1	1	82	82	58 - 162.6

Matrix Spike (MS-1) Spiked Sample:

QC Batch: 42441 | Date Analyzed: 2007-10-26 | Analyzed By: AR
Prep Batch: 36634 | QC Preparation: 2007-10-26 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	4640	mg/Kg	50	5000	<25.0	93	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	4690	mg/Kg	50	5000	<25.0	94	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 139828

QC Batch: 42544 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36716 QC Preparation: 2007-10-30 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	4940	mg/Kg	50	5000	260	94	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	4990	mg/Kg	50	5000	260	95	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 139838

QC Batch: 42545 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36717 QC Preparation: 2007-10-30 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5240	mg/Kg	50	5000	142.255	102	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	5290	mg/Kg	50	5000	142.255	103	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 139848

QC Batch: 42546 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36718 QC Preparation: 2007-10-30 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5980	mg/Kg	50	5000	807.107	103	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	5990	mg/Kg	50	5000	807.107	104	85 - 115	0	20

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

Matrix Spike (MS-1) Spiked Sample: 139858

QC Batch: 42547 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36719 QC Preparation: 2007-10-30 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	8180	mg/Kg	50	5000	3291.71	98	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	8230	mg/Kg	50	5000	3291.71	99	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 139868

QC Batch: 42558 Date Analyzed: 2007-10-30 Analyzed By: AR
Prep Batch: 36730 QC Preparation: 2007-10-30 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	17500	mg/Kg	50	5000	12855.7	93	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	17500	mg/Kg	50	5000	12855.7	93	85 - 115	0	20

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

Standard (ICV-1)

QC Batch: 42274 Date Analyzed: 2007-10-23 Analyzed By: LD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	235	94	85 - 115	2007-10-23

Standard (CCV-1)

QC Batch: 42274 Date Analyzed: 2007-10-23 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	85 - 115	2007-10-23

Standard (ICV-1)

QC Batch: 42329 Date Analyzed: 2007-10-23 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.106	106	85 - 115	2007-10-23
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2007-10-23
Ethylbenzene		mg/Kg	0.100	0.106	106	85 - 115	2007-10-23
Xylene		mg/Kg	0.300	0.322	107	85 - 115	2007-10-23

Standard (CCV-1)

QC Batch: 42329 Date Analyzed: 2007-10-23 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0855	86	85 - 115	2007-10-23
Toluene		mg/Kg	0.100	0.0864	86	85 - 115	2007-10-23
Ethylbenzene		mg/Kg	0.100	0.0862	86	85 - 115	2007-10-23
Xylene		mg/Kg	0.300	0.262	87	85 - 115	2007-10-23

Standard (ICV-1)

QC Batch: 42333 Date Analyzed: 2007-10-23 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.926	93	85 - 115	2007-10-23

Standard (CCV-1)

QC Batch: 42333 Date Analyzed: 2007-10-23 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.957	96	85 - 115	2007-10-23

Standard (ICV-1)

QC Batch: 42441 Date Analyzed: 2007-10-26 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.0	98	85 - 115	2007-10-26

Standard (CCV-1)

QC Batch: 42441 Date Analyzed: 2007-10-26 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-10-26

Standard (ICV-1)

QC Batch: 42544 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	106	106	85 - 115	2007-10-30

Standard (CCV-1)

QC Batch: 42544 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	93.8	94	85 - 115	2007-10-30

Standard (ICV-1)

QC Batch: 42545 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	96.8	97	85 - 115	2007-10-30

Standard (CCV-1)

QC Batch: 42545 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2007-10-30

Standard (ICV-1)

QC Batch: 42546 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2007-10-30

Standard (CCV-1)

QC Batch: 42546 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-10-30

Standard (ICV-1)

QC Batch: 42547 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.0	99	85 - 115	2007-10-30

Standard (CCV-1)

QC Batch: 42547 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-10-30

Standard (ICV-1)

QC Batch: 42558 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-10-30

Standard (CCV-1)

QC Batch: 42558 Date Analyzed: 2007-10-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.0	99	85 - 115	2007-10-30

work orders 7102210

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 6

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

PROJECT NAME: Rock Queen Unit 11

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8020/602	MTBE 8020/602	TPH 8015 MOD. / TX1005 / 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	ECI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
139612	10/16/07		S		✓	SB-1 (3-5')	1				✓	✓	✓		✓											✓			
813	10/16/07		S		✓	SB-1 (8-10')	1				✓	✓	*		*											✓			
814	10/16/07		S		✓	SB-1 (13-15')	1				✓	✓														✓			
815	10/16/07		S		✓	SB-1 (18-20')	1				✓	✓														✓			
816	10/16/07		S		✓	SB-1 (28-30')	1				✓	✓														✓			
817	10/16/07		S		✓	SB-1 (38-40')	1				✓	✓														✓			
818	10/16/07		S		✓	SB-1 (48-50')	1				✓	✓														✓			
819	10/16/07		S		✓	SB-1 (58-60')	1				✓	✓														✓			
820	10/16/07		S		✓	SB-1 (68-70')	1				✓	✓														✓			
821	10/16/07		S		✓	SB-1 (78-80')	1				✓	✓														✓			

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:30 — RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: — RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: — RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Jeffrey Kindley Date: October 17, 2007 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 10.22.07 TIME: 14.30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8° C intact

MATRIX: W-Water S-Soil A-Air SL-Sludge SD-Solid O-Other

REMARKS: * Run these if TPH > 5000 ppm, BTEX > 50 ppm or Benzene > 10 ppm

All tests - Midland

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Enviromental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

SC

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

PROJECT NAME: Rock Queen Unit II

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	PCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
139822	10/16/07		S		✓	SB-1 (88-90')	1				✓	✓														✓			
823	10/16/07		S		✓	SB-1 (98-100')	1				✓	✓														✓			
824	10/16/07		S		✓	SB-2 (8-10')	1				✓	✓														✓			
825	10/16/07		S		✓	SB-2 (18-20')	1				✓	✓														✓			
826	10/16/07		S		✓	SB-2 (28-30')	1				✓	✓														✓			
827	10/16/07		S		✓	SB-2 (38-40')	1				✓	✓														✓			
828	10/16/07		S		✓	SB-2 (48-50')	1				✓	✓														✓			
829	10/16/07		S		✓	SB-3 (8-10')	1				✓	✓														✓			
830	10/16/07		S		✓	SB-3 (18-20')	1				✓	✓														✓			
831	10/16/07		S		✓	SB-3 (28-30')	1				✓	✓														✓			

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2130

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeff Kindley Date: 10/22/07 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 10-22-07 TIME: 14:30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8° C intact

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: All tests. Midland

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

PROJECT NAME: Rock Queen Unit II

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/808	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
139832	10/16/07		S		✓	SB-3 (38-40')	1				✓	✓														✓			
833	10/16/07		S		✓	SB-3 (48-50')	1				✓	✓														✓			
834	10/17/07		S		✓	SB-4 (8-10')	1				✓	✓														✓			
835	10/17/07		S		✓	SB-4 (18-20')	1				✓	✓														✓			
836	10/17/07		S		✓	SB-4 (28-30')	1				✓	✓														✓			
837	10/17/07		S		✓	SB-4 (38-40')	1				✓	✓														✓			
838	10/17/07		S		✓	SB-4 (48-50')	1				✓	✓														✓			
839	10/17/07		S		✓	SB-5 (8-10')	1				✓	✓														✓			
840	10/17/07		S		✓	SB-5 (18-20')	1				✓	✓														✓			
841	10/17/07		S		✓	SB-5 (28-30')	1				✓	✓														✓			

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:30

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeff Kindley Jeffrey Kindley Date: October 17, 2007 Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #

HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: Tx ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 10.22.07 TIME: 14:30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8°C intact

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: All tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

PROJECT NAME: Red Queen Unit 11

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1	8015 MOD.	TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, (Chloride)	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
139842	10/17/07		S		✓	SB-5 (38-40')	1				✓	✓																✓			
843	10/17/07		S		✓	SB-5 (48-50')	1				✓	✓																✓			
844	10/17/07		S		✓	SB-6 (8-10')	1				✓	✓																✓			
845	10/17/07		S		✓	SB-6 (18-20')	1				✓	✓																✓			
846	10/17/07		S		✓	SB-6 (28-30')	1				✓	✓																✓			
847	10/17/07		S		✓	SB-6 (38-40')	1				✓	✓																✓			
848	10/17/07		S		✓	SB-6 (48-50')	1				✓	✓																✓			
849	10/17/07		S		✓	SB-7 (8-10')	1				✓	✓																✓			
850	10/17/07		S		✓	SB-7 (18-20')	1				✓	✓																✓			
851	10/17/07		S		✓	SB-7 (28-30')	1				✓	✓																✓			

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:30

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Jeffrey Kindley Date: October 17, 2007 Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 10.22.07 TIME: 14:30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8°C, intact

MATRIX: W-Water S-Soil A-Air SL-Sludge SD-Solid O-Other

REMARKS: All tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

PROJECT NAME: Rock Queen Unit II

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	8015 MOD. TX1005
139852	10/17/07		S		✓	SB-7 (38-40)	1				✓	✓														✓				
853	10/17/07		S		✓	SB-7 (48-50')	1				✓	✓														✓				
854	10/17/07		S		✓	SB-8 (8-10')	1				✓	✓														✓				
855	10/17/07		S		✓	SB-8 (18-20')	1				✓	✓														✓				
856	10/17/07		S		✓	SB-8 (28-30')	1				✓	✓														✓				
857	10/17/07		S		✓	SB-8 (38-40')	1				✓	✓														✓				
858	10/17/07		S		✓	SB-8 (48-50')	1				✓	✓														✓				
859	10/17/07		S		✓	SB-9 (8-10')	1				✓	✓														✓				
860	10/17/07		S		✓	SB-9 (18-20')	1				✓	✓														✓				
861	10/17/07		S		✓	SB-9 (28-30')	1				✓	✓														✓				

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:30

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeff Kindley Jeff Kindley Date: October 17, 2007 Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #

HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 10-22-07 TIME: 14:30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8°C intact

MATRIX: W-Water S-Soil A-Air SL-Sludge SD-Solid O-Other

REMARKS: All tests- Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

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Analysis Request and Chain of Custody Record

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PAGE: 6 OF: 6

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SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3131

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LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
39862	10/17/07		S		✓	SB-9 (38-40')	1				✓	✓
863	10/17/07		S		✓	SB-9 (48-50')	1				✓	✓

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602 | MTBE 8020/602 | TPH 418.1 / 8015 MOD. / TX1005 | PAH 8270 | RCRA Metals Ag As Ba Cd Cr Pb Hg Se | TCLP Metals Ag As Ba Cd Cr Pd Hg Se | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC.MS Vol. 8240/8260/624 | GC.MS Semi. Vol. 8270/625 | PCB's 8080/608 | Pest. 608/608 | BOD, TSS, pH, TDS, Chloride | Gamma Spec. | Alpha Beta (Air) | PLM (Asbestos)

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:30
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RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Jeffrey Kindley Date: October 17, 2007 Time:

SAMPLE SHIPPED BY: (Circle)
~~FEDEX~~ BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 10.22.07 TIME: 14:30

HIGHLANDER CONTACT PERSON: Ike Tavarez / Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.8°C int act

MATRIX: W—Water A—Air SD—Solid S—Soil SL—Sludge O—Other

REMARKS: All tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

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APPENDIX B

Hines, Joleen

From: Hines, Joleen
Sent: Monday, September 26, 2005 3:46 PM
To: 'John P Pelliger'
Subject: Cover Bucket Density & Clay K-Sat

John,

I have attached the results for the density of the cover material 'as-is' in the 5-gal bucket, and the saturated hydraulic conductivity for the clay (remolded at 90%). Please let me know how to proceed.

Thank you,

Joleen

Joleen Hines
Daniel B. Stephens & Associates Laboratory
5640 Osuna Rd., NE
Albuquerque, NM 87109

505.889.7752
505.889.0258(fax)
jhines@dbstephens.com
www.dbstephens.com

Daniel B. Stephens & Associates, Inc.

Data for Initial Moisture Content, Bulk Density, Porosity, and Percent Saturation

Job Name: Gandy Marley
Job Number: LB05.0208.00
Sample Number: Cover (Bucket)
Ring Number: N/A
Depth: N/A

Test Date: 23-Sep-05

Field weight of sample (g):* 21536.00
Tare weight, ring (g): 0.00
Tare weight, cap/plate/epoxy (g): 0.00

Dry weight of sample (g): 20511.00
Sample volume (cm^3): 14884.53
Assumed particle density: 2.65

Initial Volumetric Moisture Content (% vol): 6.9
Initial Grevimetric Moisture Content (% g/g): 5.0
Dry bulk density (g/cm^3): 1.38
Wet bulk density (g/cm^3): 1.45
Calculated Porosity (% vol): 48.0
Percent Saturation: 14.3

Comments:

* Weight including tares
NA = Not analyzed

Laboratory analysis by: D. O'Dowd
Data entered by: D. O'Dowd
Checked by: J. Hines

Daniel B. Stephens & Associates, Inc.

Summary of Saturated Hydraulic Conductivity Tests

Sample Number	K_{sat} (cm/sec)	Method of Analysis: Constant Head Flexible Wall	Method of Analysis: Falling Head Flexible Wall
Clay	1.5E-08		X

Daniel B. Stephens & Associates, Inc.

SAMPLE RECEIPT FORM

CLIENT: Gandy Marley, Inc. DATE RECEIVED: 9/16/05

PROJECT #:

DBS&A
PROJECT #:

1) Are the custody seals on the cooler intact?	NA
2) Are the custody seals on the sample containers intact?	Yes
3) Are there Chain of Custody(COC), or other directive shipping papers?	Yes
4) Is the COC complete?	See Notes
5) Is the COC in agreement with the samples received?	See Notes
6) Did all the samples arrive intact?	Yes

7) Comments

Three samples arrived, each in full 5-gallon buckets, in good condition. The clay sample is being prepared today and testing will begin soon. Will await further instuction on the Cover and Caliche samples. Also awaiting in-situ clay core sample.

If you have any questions or concerns please contact Joleen Hines at (505) 889-7752.

NOTE: Samples will be held for a period of 30 days after the completion of testing. After 30 days samples will be disposed of locally unless DBS&A receives other instructions.

Signature:

5840 OSUNA RD NE, ALBUQUERQUE, NM 87109
(505) 889-7752 FAX (505) 889-0258

Disclaimer:
Interpretations of test results, interim reports of laboratory work, and research and development of special equipment or test procedures will be charged at our regular schedule of professional services fees, which is available upon request. The testing utilized to generate laboratory reports follows methods that are standard for the industry. The results do not constitute a professional or expert opinion by DBS&A, nor can the results affect any professional or expert opinions rendered with respect thereto by DBS&A. All testing undertaken by DBS&A, and any and all reports provided from said testing, constitute mere test results using standardized methods, and cannot be used to disqualify DBS&A from rendering any professional or expert opinion. Because of the nature of the results of our testing, and the limited scope of the Lab's undertaking, you hereby waive any claim of conflict of interest by DBS&A in the event professional or expert opinion is requested of qualified professionals or experts within DBS&A, for or against any party. Other than the express warranty that the testing utilized under this Contract uses standard methods, DBS&A disclaims any and all other warranties of any kind whatsoever.