1RP-1594

Assessment and Workplan Report

DATE:
Oct. 2009

TETRA TECH

October 12, 2009

Mr. Glenn von Gonten
Senior Hydrologist/Acting Environmental Bureau Chief
Environmental Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Assessment Report and Workplan for a Pit Located at the Rock Queen Unit Saltwater Plant #1, Unit Letter D, Section 26, Township 13 South, Range 31 East, Chaves County, New Mexico, Operated by Celero Energy II, LP (NMOCD 1RP#1594)

Dear Mr. von Gonten:

Tetra Tech was contacted by Celero Energy (Celero) to assist in the closure of a pit at the Rock Queen Unit Saltwater Plant #1, located in Unit Letter D, Section 26, Township 13 South, Range 31 East, Chaves County, New Mexico (Site). The pit coordinates are N 33.16667° W 103.79917°. Both the State of New Mexico C-141 and C-144 (Initial) are included in Appendix D. The Site is shown on Figures 1 and 2.

Background

On September 21, 2007, Highlander submitted an Investigation and Characterization work plan (ICP) for an open pit at this site. The ICP was approved by the New Mexico Oil Conservation Division (NMOCD).

The Saltwater Plant #1 pit was dewatered and the residual sludge, tank bottom materials, and liner were removed in late July and early August 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 2,200 cubic yards of soil were excavated and transported to Gandy-Marley, Inc. for disposal. The pit was excavated to a point where the subsoil would support a soil boring rig.

Tetra Tech
1910 North Big Spring, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

Groundwater and 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. However, a monitor well installed at this site had a depth to groundwater of approximately 136 feet below ground surface (bgs).

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.

Assessment and Results

On October 15, 2007 and March 24, 2008, 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 115 feet by 115 feet. One soil boring (SB-1) was installed in the center of the pit. The remaining boreholes (SB-2 through SB-12) were installed outside the edges of the pit. The boring locations and the approximate edge of the pit are shown on Figure 3.

The borings were installed using an air-rotary type drilling rig. Soil samples from soil boring SB-1 were collected at 5 foot intervals to 20 feet and 10 foot 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 foot intervals to maximum depths of 50 feet bgs.

The soil samples were field screened for chlorides to determine if impacts showed a distinctive decline with depth. Select soil samples were analyzed for Total Petroleum Hydrocarbons (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 a 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 the surface.

Referring to Table 1, the samples selected for TPH and BTEX analysis were all below the reporting limits. Chloride impact was found throughout SB-1 through SB-3, SB-5, SB-6, SB-10 and SB-11, while decreasing with depth in soil borings SB-4 and SB-7. Due to a belling out effect from the source pit area, chloride concentrations increased with depth in soil borings SB-8 and SB-12. Chloride concentrations were below 250 mg/L for perimeter soil boring SB-9.

Soil Capping

In late November-December 2007, Gandy-Marley Corporation of Lovington, New Mexico was onsite to install a one foot thick clay liner for the pit. The pit area was further extended out approximately 25 feet north, south, and west of the original dimensions. See Figure 3 for pit liner dimensions. The soils were excavated to a depth of 4 feet bgs. The soils excavated were placed back into the center of the original excavation in order to bring the original excavation up to a depth of 4 feet bgs. Upon completion of the clay liner, overburden material stripped from the expansion of the pit was utilized as backfill for the site and brought up to grade. A copy of the sieve analysis/permeability data for the clay is included in Appendix B.

In order to complete the capping of the soils at the site, the clay liner will need to be extended north of the pit approximately 50 feet and west approximately 100 feet and encompassing the same area northwest of the original pit.

Monitor Well Installation

On May 24, 2007, Tetra Tech was onsite to oversee the installation of monitor well MW-1 located south of the closed pit. Monitor well MW-1 was drilled to a depth of 145 feet. Fifty feet of 0.02" slotted screen was installed at the bottom of the monitor well. The remainder of the well boring was fitted with blank schedule 40 blank PVC to the top of the boring. Groundwater was encountered at 136 feet below ground surface (bgs) in both wells. On June 1, 2007, Tetra Tech was onsite to develop and sample monitor well MW-1. Approximately 100 gallons of water were removed from the well and stored in onsite 55-gallon drums. Once the well stabilized, a sample was collected and submitted to Trace Analysis, Inc. of Midland, Texas for analysis of of major anions/cations along with pH and TDS. Monitor well MW-1 had results of 154,000 mg/L chlorides. The results of the sampling are shown

in Table 2. A copy of the laboratory reports and chain-of-custody are included in Appendix A, while the boring logs and monitor well installation diagrams are included in Appendix C.

Based on the results of the sampling, additional monitor wells will be required at the site to complete delineation of the groundwater.

Conclusions

Between November and December 2007, the pit area was excavated to dimensions of 165 feet by 140 feet. Approximately 2,200 cubic yards of soil were excavated and transported offsite for disposal at Gandy-Marley of Lovington, New Mexico. A one foot thick clay liner was placed at 4 feet bgs in the excavation in order to impede the remaining chlorides at the site from migrating to the underlying groundwater. Upon completion of the clay liner, the site was backfilled with overburden material and brought up to surface grade.

Recommendations

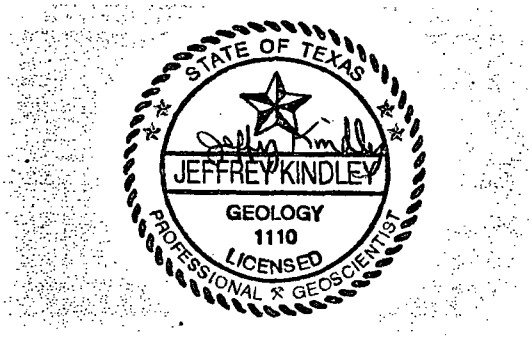
In order to complete the capping of the soils at the site, the clay liner will need to be extended north of the pit approximately 50 feet and west approximately 100 feet and encompassing the same area northwest of the original pit.

In addition, additional monitor wells will be required at the facility in order to complete delineation of the chloride impacted groundwater at the Site.

If you require any additional information or have any questions or comments concerning the assessment/closure report, please call at (432) 682-4559.

Respectfully submitted,

Tetra Tech



Jeffrey Kindley, P.G.

Senior Environmental Geologist

cc: Bruce Woodard – Celero Energy II LP

Larry Johnson – NMOCD – Hobbs, NM

FIGURES

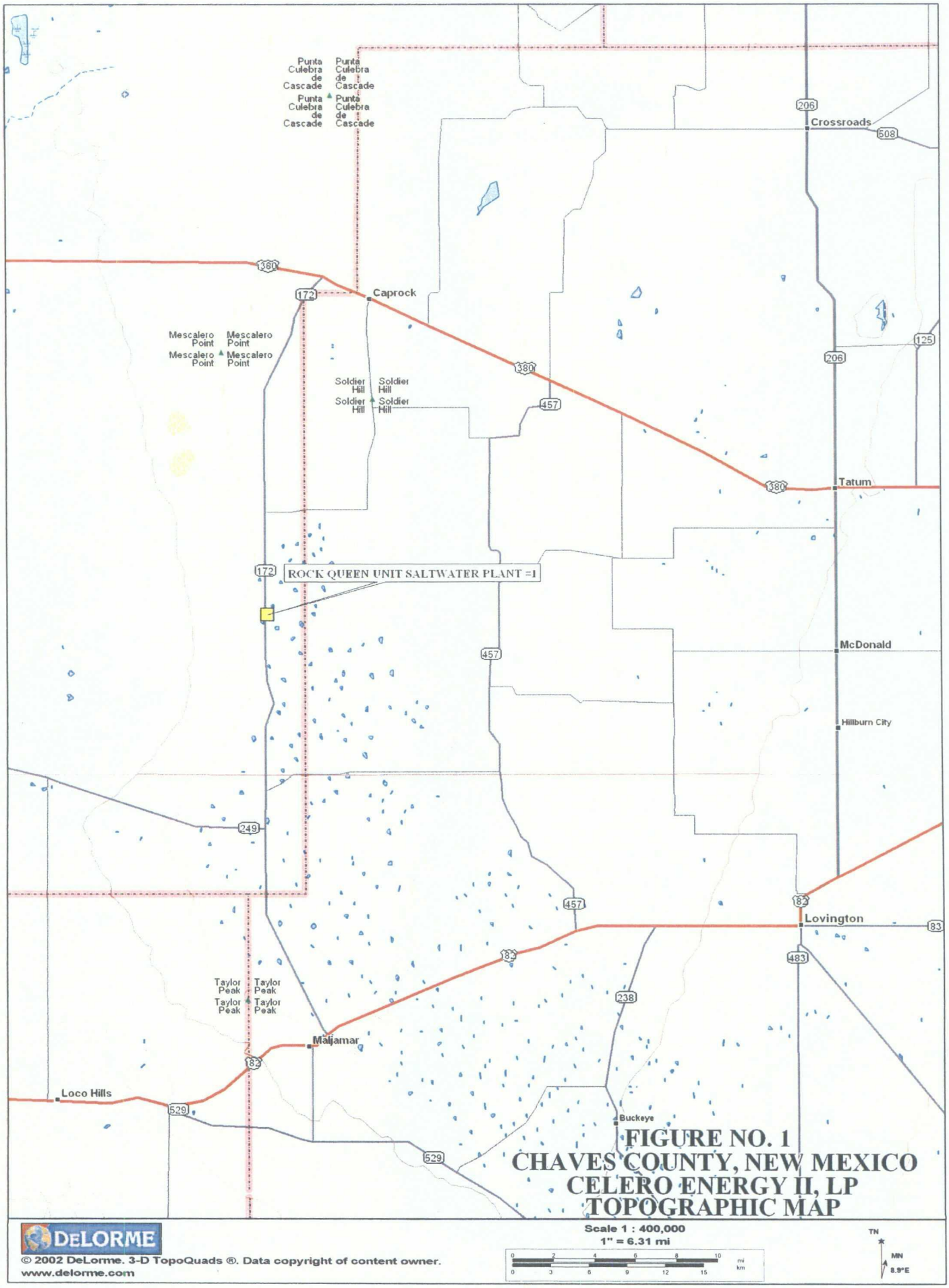


FIGURE NO. 1
CHAVES COUNTY, NEW MEXICO
CELERO ENERGY II, LP
TOPOGRAPHIC MAP

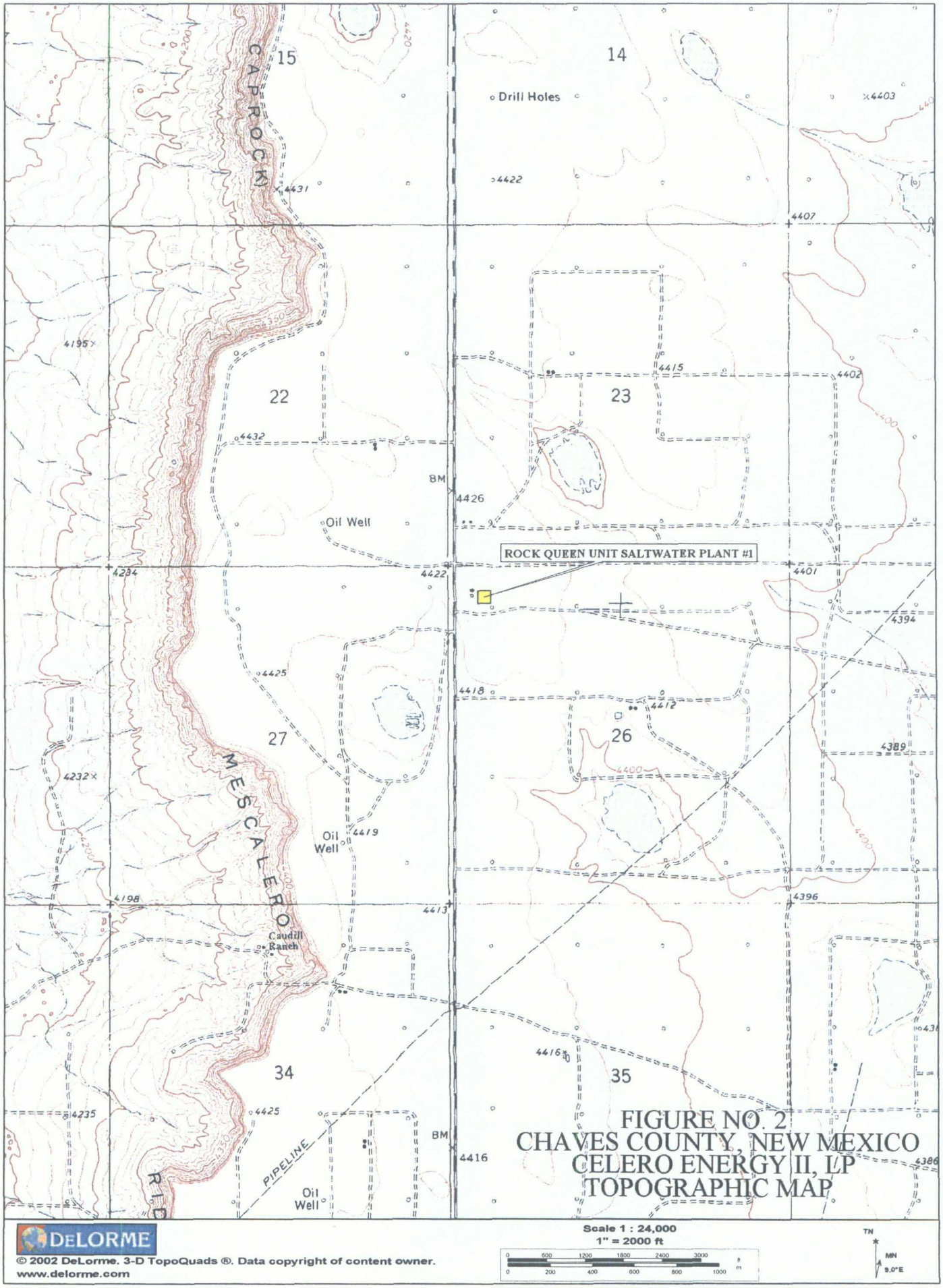
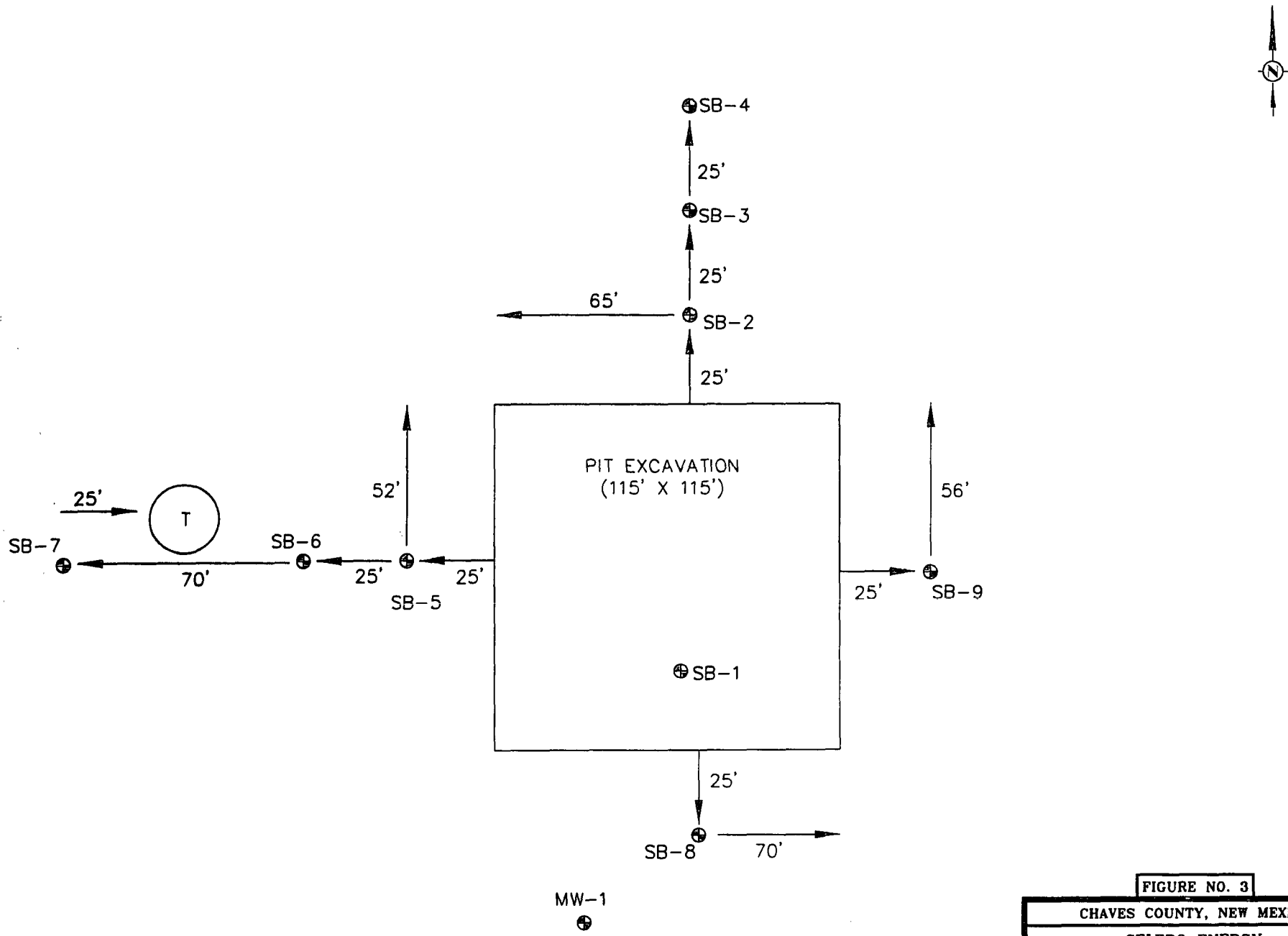


FIGURE NO. 2
CHAVES COUNTY, NEW MEXICO
CELERO ENERGY II, LP
TOPOGRAPHIC MAP



NOT TO SCALE

FIGURE NO. 3

CHAVES COUNTY, NEW MEXICO

CELERO ENERGY
ROCK QUEEN UNIT SWD PLANT #1
SOIL BORING LOCATIONS

DATE: 10/30/07
DWN. BY: RC
FILE: C:\CELERO\3134\R Q UNIT SWD PLNT 1

TETRA TECH, INC.
MIDLAND, TEXAS

TABLES

Table 1
Celero Energy
Rock Queen Plant #1
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	10/15/07	(3-5')	<50.0	**3.37**	**3.37**	<0.0100	<0.0100	<0.0100	**0.0671**	**7,640**
	10/15/07	(8-10')	-	-	-	-	-	-	-	**8,780**
	10/15/07	(13-15')	-	-	-	-	-	-	-	**8,380**
	10/15/07	(18-20')	-	-	-	-	-	-	-	**9,980**
	10/15/07	(28-30')	-	-	-	-	-	-	-	**7,310**
	10/15/07	(38-40')	-	-	-	-	-	-	-	**8,070**
	10/15/07	(48-50')	-	-	-	-	-	-	-	**7,510**
	10/15/07	(58-60')	-	-	-	-	-	-	-	**6,170**
	10/15/07	(68-70')	-	-	-	-	-	-	-	**5,720**
	10/15/07	(78-80')	-	-	-	-	-	-	-	**4,570**
	10/15/07	(88-90')	-	-	-	-	-	-	-	**5,400**
	10/15/07	(98-100')	-	-	-	-	-	-	-	**4,200**
SB-2	10/15/07	(8-10')	-	-	-	-	-	-	-	**2,610**
	10/15/07	(18-20')	-	-	-	-	-	-	-	**969**
	10/15/07	(28-30')	-	-	-	-	-	-	-	**1,090**
	10/15/07	(38-40')	-	-	-	-	-	-	-	**1,920**
	10/15/07	(48-50')	-	-	-	-	-	-	-	**2,170**
SB-3	10/15/07	(8-10')	-	-	-	-	-	-	-	**1,200**
	10/15/07	(18-20')	-	-	-	-	-	-	-	**1,780**
	10/15/07	(28-30')	-	-	-	-	-	-	-	**1,700**
	10/15/07	(38-40')	-	-	-	-	-	-	-	**1,700**
	10/15/07	(48-50')	-	-	-	-	-	-	-	**1,410**
SB-4	10/15/07	(8-10')	-	-	-	-	-	-	-	**2,340**
	10/15/07	(18-20')	-	-	-	-	-	-	-	**2,010**
	10/15/07	(28-30')	-	-	-	-	-	-	-	**366**
	10/15/07	(38-40')	-	-	-	-	-	-	-	170
	10/15/07	(48-50')	-	-	-	-	-	-	-	127
SB-5	10/15/07	(8-10')	-	-	-	-	-	-	-	**6,730**
SB-6	10/15/07	(8-10')	-	-	-	-	-	-	-	**7,880**
	10/15/07	(18-20')	-	-	-	-	-	-	-	**12,300**
	10/15/07	(28-30')	-	-	-	-	-	-	-	**11,000**
	10/15/07	(38-40')	-	-	-	-	-	-	-	**7,240**
	10/15/07	(48-50')	-	-	-	-	-	-	-	**4,320**

Table 1
Celero Energy
Rock Queen Plant #1
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-7	10/15/07	(8-10')	-	-	-	-	-	-	-	**990**
	10/15/07	(18-20')	-	-	-	-	-	-	-	244
	10/15/07	(28-30')	-	-	-	-	-	-	-	214
	10/15/07	(38-40')	-	-	-	-	-	-	-	114
	10/15/07	(48-50')	-	-	-	-	-	-	-	232
SB-8	10/15/07	(8-10')	-	-	-	-	-	-	-	146
	10/15/07	(18-20')	-	-	-	-	-	-	-	<100
	10/15/07	(28-30')	-	-	-	-	-	-	-	156
	10/15/07	(38-40')	-	-	-	-	-	-	-	**720**
	10/15/07	(48-50')	-	-	-	-	-	-	-	**1,110**
SB-9	10/15/07	(8-10')	-	-	-	-	-	-	-	<100
	10/15/07	(18-20')	-	-	-	-	-	-	-	<100
	10/15/07	(28-30')	-	-	-	-	-	-	-	<100
	10/15/07	(38-40')	-	-	-	-	-	-	-	<100
	10/15/07	(48-50')	-	-	-	-	-	-	-	<100
SB-10	03/24/08	(8-10')	-	-	-	-	-	-	-	**2,000**
	03/24/08	(18-20')	-	-	-	-	-	-	-	**3,140**
	03/24/08	(28-30')	-	-	-	-	-	-	-	**4,080**
	03/24/08	(38-40')	-	-	-	-	-	-	-	**3,890**
	03/24/08	(48-50')	-	-	-	-	-	-	-	**2,330**
SB-11	03/24/08	(8-10')	-	-	-	-	-	-	-	**4,470**
	03/24/08	(18-20')	-	-	-	-	-	-	-	**3,280**
	03/24/08	(28-30')	-	-	-	-	-	-	-	**4,850**
	03/24/08	(38-40')	-	-	-	-	-	-	-	**4,040**
	03/24/08	(48-50')	-	-	-	-	-	-	-	**1,270**
SB-12	03/24/08	(8-10')	-	-	-	-	-	-	-	<100
	03/24/08	(18-20')	-	-	-	-	-	-	-	<100
	03/24/08	(28-30')	-	-	-	-	-	-	-	**311**
	03/24/08	(38-40')	-	-	-	-	-	-	-	**903**
	03/24/08	(48-50')	-	-	-	-	-	-	-	**777**

(-) Not Analyzed

Table 2

Celero Energy

Groundwater Analytical Results

Rock Queen Unit Saltwater Injection Plant #1

Chaves County, New Mexico

Monitor Well	Date Sampled	Dissolved Calcium (mg/L)	Dissolved Magnesium (mg/L)	Dissolved Sodium (mg/L)	Dissolved Potassium (mg/L)	Hydroxide Alkalinity (mg/L)	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TDS (mg/L)	Hardness (mg/L)	pH
MW-1	05/24/07	3,040	4,620	79,100	1950	<1.00	<1.00	154	154	1,800	154,000	231,100	26,600	6.45

NS - Not sampled

APPENDIX A
LABORATORY ANALYTICAL

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

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 2, 2007

Work Order: 7102209

Project Name: Rock Queen Plant #1
Project Number: 3134

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
139764	SB-1 (3-5')	soil	2007-10-15	00:00	2007-10-22
139765	SB-1 (8-10')	soil	2007-10-15	00:00	2007-10-22
139766	SB-1 (13-15')	soil	2007-10-15	00:00	2007-10-22
139767	SB-1 (18-20')	soil	2007-10-15	00:00	2007-10-22
139768	SB-1 (28-30')	soil	2007-10-15	00:00	2007-10-22
139769	SB-1 (38-40')	soil	2007-10-15	00:00	2007-10-22
139770	SB-1 (48-50')	soil	2007-10-15	00:00	2007-10-22
139771	SB-1 (58-60')	soil	2007-10-15	00:00	2007-10-22
139772	SB-1 (68-70')	soil	2007-10-15	00:00	2007-10-22
139773	SB-1 (78-80')	soil	2007-10-15	00:00	2007-10-22
139774	SB-1 (88-90')	soil	2007-10-15	00:00	2007-10-22
139775	SB-1 (98-100')	soil	2007-10-15	00:00	2007-10-22
139776	SB-2 (8-10')	soil	2007-10-15	00:00	2007-10-22
139777	SB-2 (18-20')	soil	2007-10-15	00:00	2007-10-22
139778	SB-2 (28-30')	soil	2007-10-15	00:00	2007-10-22
139779	SB-2 (38-40')	soil	2007-10-15	00:00	2007-10-22
139780	SB-2 (48-50')	soil	2007-10-15	00:00	2007-10-22
139781	SB-3 (8-10')	soil	2007-10-15	00:00	2007-10-22
139782	SB-3 (18-20')	soil	2007-10-15	00:00	2007-10-22
139783	SB-3 (28-30')	soil	2007-10-15	00:00	2007-10-22
139784	SB-3 (38-40')	soil	2007-10-15	00:00	2007-10-22
139785	SB-3 (48-50')	soil	2007-10-15	00:00	2007-10-22
139786	SB-4 (8-10')	soil	2007-10-15	00:00	2007-10-22
139787	SB-4 (18-20')	soil	2007-10-15	00:00	2007-10-22

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139788	SB-4 (28-30')	soil	2007-10-15	00:00	2007-10-22
139789	SB-4 (38-40')	soil	2007-10-15	00:00	2007-10-22
139790	SB-4 (48-50')	soil	2007-10-15	00:00	2007-10-22
139791	SB-5 (8-10')	soil	2007-10-15	00:00	2007-10-22
139792	SB-6 (8-10')	soil	2007-10-15	00:00	2007-10-22
139793	SB-6 (18-20')	soil	2007-10-15	00:00	2007-10-22
139794	SB-6 (28-30')	soil	2007-10-15	00:00	2007-10-22
139795	SB-6 (38-40')	soil	2007-10-15	00:00	2007-10-22
139796	SB-6 (48-50')	soil	2007-10-15	00:00	2007-10-22
139797	SB-7 (8-10')	soil	2007-10-15	00:00	2007-10-22
139798	SB-7 (18-20')	soil	2007-10-15	00:00	2007-10-22
139799	SB-7 (28-30')	soil	2007-10-15	00:00	2007-10-22
139800	SB-7 (38-40')	soil	2007-10-15	00:00	2007-10-22
139801	SB-7 (48-50')	soil	2007-10-15	00:00	2007-10-22
139802	SB-8 (8-10')	soil	2007-10-15	00:00	2007-10-22
139803	SB-8 (18-20')	soil	2007-10-15	00:00	2007-10-22
139804	SB-8 (28-30')	soil	2007-10-15	00:00	2007-10-22
139805	SB-8 (38-40')	soil	2007-10-15	00:00	2007-10-22
139806	SB-8 (48-50')	soil	2007-10-15	00:00	2007-10-22
139807	SB-9 (8-10')	soil	2007-10-15	00:00	2007-10-22
139808	SB-9 (18-20')	soil	2007-10-15	00:00	2007-10-22
139809	SB-9 (28-30')	soil	2007-10-15	00:00	2007-10-22
139810	SB-9 (38-40')	soil	2007-10-15	00:00	2007-10-22
139811	SB-9 (48-50')	soil	2007-10-15	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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 139764 - 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		**0.0671**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.756	mg/Kg	1	1.00	76	39.6 - 116
4-Bromofluorobenzene (4-BFB)		0.738	mg/Kg	1	1.00	74	47.3 - 144.2

Sample: 139764 - SB-1 (3-5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7640**	mg/Kg	50	2.00

Sample: 139764 - 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		135	mg/Kg	1	150	90	17.3 - 169.6

Sample: 139764 - 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		**3.37**	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)		0.808	mg/Kg	1	1.00	81	51.2 - 107.4

Sample: 139765 - SB-1 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**8780**	mg/Kg	50	2.00

Sample: 139766 - SB-1 (13-15')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**8380**	mg/Kg	50	2.00

Sample: 139767 - SB-1 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**9980**	mg/Kg	50	2.00

Sample: 139768 - SB-1 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7310**	mg/Kg	50	2.00

Sample: 139769 - SB-1 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**8070**	mg/Kg	50	2.00

Sample: 139770 - SB-1 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7510**	mg/Kg	50	2.00

Sample: 139771 - SB-1 (58-60')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42369	Date Analyzed:	2007-10-24	Analyzed By:	AR
Prep Batch:	36579	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6170**	mg/Kg	50	2.00

Sample: 139772 - SB-1 (68-70')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5720**	mg/Kg	50	2.00

Sample: 139773 - SB-1 (78-80')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

continued ...

sample 139773 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4570**	mg/Kg	50	2.00

Sample: 139774 - SB-1 (88-90')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5400**	mg/Kg	50	2.00

Sample: 139775 - SB-1 (98-100')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4200**	mg/Kg	50	2.00

Sample: 139776 - SB-2 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2610**	mg/Kg	50	2.00

Sample: 139777 - SB-2 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**969**	mg/Kg	50	2.00

Sample: 139778 - SB-2 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1090**	mg/Kg	50	2.00

Sample: 139779 - SB-2 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1920**	mg/Kg	50	2.00

Sample: 139780 - SB-2 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2170**	mg/Kg	50	2.00

Sample: 139781 - SB-3 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42411	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36618	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1200**	mg/Kg	50	2.00

Sample: 139782 - SB-3 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

continued ...

sample 139782 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1780**	mg/Kg	50	2.00

Sample: 139783 - SB-3 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1700**	mg/Kg	50	2.00

Sample: 139784 - SB-3 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1700**	mg/Kg	50	2.00

Sample: 139785 - SB-3 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1410**	mg/Kg	50	2.00

Sample: 139786 - SB-4 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2340**	mg/Kg	50	2.00

Sample: 139787 - SB-4 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2010**	mg/Kg	50	2.00

Sample: 139788 - SB-4 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**366**	mg/Kg	50	2.00

Sample: 139789 - SB-4 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**170**	mg/Kg	50	2.00

Sample: 139790 - SB-4 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42414	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36619	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**127**	mg/Kg	50	2.00

Sample: 139791 - SB-5 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

continued ...

sample 139791 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6730**	mg/Kg	50	2.00

Sample: 139792 - SB-6 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7880**	mg/Kg	50	2.00

Sample: 139793 - SB-6 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12300**	mg/Kg	50	2.00

Sample: 139794 - SB-6 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11000**	mg/Kg	50	2.00

Sample: 139795 - SB-6 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7240**	mg/Kg	50	2.00

Sample: 139796 - SB-6 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4320**	mg/Kg	50	2.00

Sample: 139797 - SB-7 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**990**	mg/Kg	50	2.00

Sample: 139798 - SB-7 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**244**	mg/Kg	50	2.00

Sample: 139799 - SB-7 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**214**	mg/Kg	50	2.00

Sample: 139800 - SB-7 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42417	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36620	Sample Preparation:		Prepared By:	AR

continued ...

sample 139800 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**114**	mg/Kg	50	2.00

Sample: 139801 - SB-7 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**232**	mg/Kg	50	2.00

Sample: 139802 - SB-8 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**146**	mg/Kg	50	2.00

Sample: 139803 - SB-8 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

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

Sample: 139804 - SB-8 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**156**	mg/Kg	50	2.00

Sample: 139805 - SB-8 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**720**	mg/Kg	50	2.00

Sample: 139806 - SB-8 (48-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1110**	mg/Kg	50	2.00

Sample: 139807 - SB-9 (8-10')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

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

Sample: 139808 - SB-9 (18-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

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

Sample: 139809 - SB-9 (28-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

continued ...

sample 139809 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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

Sample: 139810 - SB-9 (38-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42424	Date Analyzed:	2007-10-25	Analyzed By:	AR
Prep Batch:	36623	Sample Preparation:		Prepared By:	AR

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

Sample: 139811 - SB-9 (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		<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 Analyzed By: DC
Prep Batch: 36547 QC Preparation: 2007-10-23 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: 42369

QC Batch: 42369 Date Analyzed: 2007-10-24 Analyzed By: AR
Prep Batch: 36579 QC Preparation: 2007-10-24 Prepared By: AR

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

Method Blank (1) QC Batch: 42411

QC Batch: 42411 Date Analyzed: 2007-10-25 Analyzed By: AR
Prep Batch: 36618 QC Preparation: 2007-10-25 Prepared By: AR

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

Method Blank (1) QC Batch: 42414

QC Batch: 42414 Date Analyzed: 2007-10-25 Analyzed By: AR
Prep Batch: 36619 QC Preparation: 2007-10-25 Prepared By: AR

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

Method Blank (1) QC Batch: 42417

QC Batch: 42417 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36620 | QC Preparation: 2007-10-25 | Prepared By: AR

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

Method Blank (1) QC Batch: 42424

QC Batch: 42424 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36623 | QC Preparation: 2007-10-25 | Prepared By: AR

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

Method Blank (1) QC Batch: 42441

QC Batch: 42441 | Date Analyzed: 2007-10-26 | Analyzed By: AR
Prep Batch: 36634 | QC Preparation: 2007-10-26 | 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: 42369 | Date Analyzed: 2007-10-24 | Analyzed By: AR
Prep Batch: 36579 | QC Preparation: 2007-10-24 | 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: 42411 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36618 | QC Preparation: 2007-10-25 | 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: 42414 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36619 | QC Preparation: 2007-10-25 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	94.5	mg/Kg	1	100	<0.500	94	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	95.5	mg/Kg	1	100	<0.500	95	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: 42417 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36620 | QC Preparation: 2007-10-25 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.4	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: 42424 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36623 | QC Preparation: 2007-10-25 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	95.4	mg/Kg	1	100	<0.500	95	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	96.4	mg/Kg	1	100	<0.500	96	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: 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.

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: 139771

QC Batch: 42369 Date Analyzed: 2007-10-24 Analyzed By: AR
Prep Batch: 36579 QC Preparation: 2007-10-24 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10700	mg/Kg	50	5000	6171.8	90	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	10700	mg/Kg	50	5000	6171.8	90	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: 139781

QC Batch: 42411 Date Analyzed: 2007-10-25 Analyzed By: AR
Prep Batch: 36618 QC Preparation: 2007-10-25 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5940	mg/Kg	50	5000	1201.55	95	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	1201.55	96	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: 139790

QC Batch: 42414 Date Analyzed: 2007-10-25 Analyzed By: AR
Prep Batch: 36619 QC Preparation: 2007-10-25 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5100	mg/Kg	50	5000	126.644	99	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	5180	mg/Kg	50	5000	126.644	101	85 - 115	2	20

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

Matrix Spike (MS-1) Spiked Sample: 139800

QC Batch: 42417 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36620 | QC Preparation: 2007-10-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	4820	mg/Kg	50	5000	114.485	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	4870	mg/Kg	50	5000	114.485	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: 139810

QC Batch: 42424 | Date Analyzed: 2007-10-25 | Analyzed By: AR
Prep Batch: 36623 | QC Preparation: 2007-10-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5220	mg/Kg	50	5000	<25.0	104	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	5270	mg/Kg	50	5000	<25.0	105	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:

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.

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: 42369 Date Analyzed: 2007-10-24 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.2	97	85 - 115	2007-10-24

Standard (CCV-1)

QC Batch: 42369 Date Analyzed: 2007-10-24 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	2007-10-24

Standard (ICV-1)

QC Batch: 42411 Date Analyzed: 2007-10-25 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.0	97	85 - 115	2007-10-25

Standard (CCV-1)

QC Batch: 42411 Date Analyzed: 2007-10-25 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	2007-10-25

Standard (ICV-1)

QC Batch: 42414 Date Analyzed: 2007-10-25 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	104	104	85 - 115	2007-10-25

Standard (CCV-1)

QC Batch: 42414 | Date Analyzed: 2007-10-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	96.4	96	85 - 115	2007-10-25

Standard (ICV-1)

QC Batch: 42417 | Date Analyzed: 2007-10-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.6	98	85 - 115	2007-10-25

Standard (CCV-1)

QC Batch: 42417 | Date Analyzed: 2007-10-25 | 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	2007-10-25

Standard (ICV-1)

QC Batch: 42424 | Date Analyzed: 2007-10-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2007-10-25

Standard (CCV-1)

QC Batch: 42424 | Date Analyzed: 2007-10-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.4	97	85 - 115	2007-10-25

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

Work order: 7102209

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.: 3134

PROJECT NAME: Rock Queen Pad #1

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 8080/602	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	BCI	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)
139764	10/15/07		S		✓	SB-1 (3-5')	1				✓	✓	✓		✓											✓			
765	10/15/07		S		✓	SB-1 (8-10')	1				✓	✓	*		*											✓			
766	10/15/07		S		✓	SB-1 (13-15')	1				✓	✓														✓			
767	10/15/07		S		✓	SB-1 (18-20')	1				✓	✓														✓			
768	10/15/07		S		✓	SB-1 (28-30')	1				✓	✓														✓			
769	10/15/07		S		✓	SB-1 (38-40')	1				✓	✓														✓			
770	10/15/07		S		✓	SB-1 (48-50')	1				✓	✓														✓			
771	10/15/07		S		✓	SB-1 (58-60')	1				✓	✓														✓			
772	10/15/07		S		✓	SB-1 (68-70')	1				✓	✓														✓			
773	10/15/07		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 HAND DELIVERED BUS UPS AIRBILL #: OTHER:

RECEIVING LABORATORY: Trace Analysis — RECEIVED BY: (Signature) — DATE: 10-22-07 TIME: 14:30

ADDRESS: CITY: Midland STATE: TX ZIP: CONTACT: PHONE:

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 4 Samples above are > 5000 ppm TPH, 50 ppm BTEX or 10 ppm Benzene

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.

All tests - Midland

JD

Work order: 7102209

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.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

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. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
139774	10/15/07		S		✓	SB-1 (88-90)	1				✓	✓														✓			
775	10/15/07		S		✓	SB-1 (98-100')	1				✓	✓														✓			
776	10/15/07		S		✓	SB-2 (8-10')	1				✓	✓														✓			
777	10/15/07		S		✓	SB-2 (18-20')	1				✓	✓														✓			
778	10/15/07		S		✓	SB-2 (28-30)	1				✓	✓														✓			
779	10/15/07		S		✓	SB-2 (38-40')	1				✓	✓														✓			
780	10/15/07		S		✓	SB-2 (48-50')	1				✓	✓														✓			
781	10/15/07		S		✓	SB-3 (8-10')	1				✓	✓														✓			
782	10/15/07		S		✓	SB-3 (18-20')	1				✓	✓														✓			
783	10/15/07		S		✓	SB-3 (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 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 to Trace-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.

LD

work order: 7102209

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.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

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	8015 MOD. TX1005	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)
139784	10/15/07		S		✓	SB-3 (38-40')	1				✓	✓															✓			
785	10/15/07		S		✓	SB-3 (48-50')	1				✓	✓															✓			
786	10/15/07		S		✓	SB-4 (8-10')	1				✓	✓															✓			
787	10/15/07		S		✓	SB-4 (18-20')	1				✓	✓															✓			
788	10/15/07		S		✓	SB-4 (28-30')	1				✓	✓															✓			
789	10/15/07		S		✓	SB-4 (38-40')	1				✓	✓															✓			
790	10/15/07		S		✓	SB-4 (48-50')	1				✓	✓															✓			
791	10/15/07		S		✓	SB-5 (8-10')	1				✓	✓															✓			
	10/15/07		S		✓	SB-5 (18-20')	1				✓	✓															✓			
	10/15/07		S		✓	SB-5 (28-30')	1				✓	✓															✓			

g 11/12

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 8:30
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 Sally 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 Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

28

work order: 7107209

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.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

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 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	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)
	10/15/07		S		✓	SB-5 (38-40')	1				✓	✓														✓			
	10/15/07		S		✓	SB-5 (48-50')	1				✓	✓														✓			
139792	10/15/07		S		✓	SB-6 (8-10')	1				✓	✓														✓			
793	10/15/07		S		✓	SB-6 (18-20')	1				✓	✓														✓			
794	10/15/07		S		✓	SB-6 (28-30')	1				✓	✓														✓			
795	10/15/07		S		✓	SB-6 (38-40')	1				✓	✓														✓			
796	10/15/07		S		✓	SB-6 (48-50')	1				✓	✓														✓			
797	10/16/07		S		✓	SB-7 (8-10')	1				✓	✓														✓			
798	10/16/07		S		✓	SB-7 (18-20')	1				✓	✓														✓			
799	10/16/07		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 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 to Trace 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.

Work order: 7102209

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.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

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 8020/608	TPH TX1005 / 8015 MOD. / 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)
139800	10/16/07		S		✓	SB-7 (38-40)	1				✓	✓														✓			
801	10/16/07		S		✓	SB-7 (48-50)	1				✓	✓														✓			
802	10/16/07		S		✓	SB-8 (8-10')	1				✓	✓														✓			
803	10/16/07		S		✓	SB-8 (18-20')	1				✓	✓														✓			
804	10/16/07		S		✓	SB-8 (28-30')	1				✓	✓														✓			
805	10/16/07		S		✓	SB-8 (38-40)	1				✓	✓														✓			
806	10/16/07		S		✓	SB-8 (48-50')	1				✓	✓														✓			
807	10/16/07		S		✓	SB-9 (8-10')	1				✓	✓														✓			
808	10/16/07		S		✓	SB-9 (18-20')	1				✓	✓														✓			
809	10/16/07		S		✓	SB-9 (28-30')	1				✓	✓														✓			

RELINQUISHED BY: (Signature) Date: 10-22-07 Time: 2:50

RECEIVED BY: (Signature) Date: Time:

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

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

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: I.B.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.

work order: 7102209

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: 6 OF: 6

CLIENT NAME: Celero Energy

SITE MANAGER: Ike Tavarez / Jeff Kindley

PROJECT NO.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
139810	10/16/07		S		✓	SB-9 (38-40')					✓	✓
811	10/16/07		S		✓	SB-9 (48-50')					✓	✓

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 6020/602	MTBE 8020/602	TX1005 8015 MOD.	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)
														✓			
														✓			

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

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Date: 10-16-07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

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

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

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.

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

Jeff Kindley
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: March 31, 2008

Work Order: 8032656

Project Name: Celero/Rock Queen Unit Plant #1
Project Number: 3134

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
154765	SB-10 8-10'	soil	2008-03-24	00:00	2008-03-26
154766	SB-10 18-20'	soil	2008-03-24	00:00	2008-03-26
154767	SB-10 28-30'	soil	2008-03-24	00:00	2008-03-26
154768	SB-10 38-40'	soil	2008-03-24	00:00	2008-03-26
154769	SB-10 48-50'	soil	2008-03-24	00:00	2008-03-26
154770	SB-11 8-10'	soil	2008-03-24	00:00	2008-03-26
154771	SB-11 18-20'	soil	2008-03-24	00:00	2008-03-26
154772	SB-11 28-30'	soil	2008-03-24	00:00	2008-03-26
154773	SB-11 38-40'	soil	2008-03-24	00:00	2008-03-26
154774	SB-11 48-50'	soil	2008-03-24	00:00	2008-03-26
154775	SB-12 8-10'	soil	2008-03-24	00:00	2008-03-26
154776	SB-12 18-20'	soil	2008-03-24	00:00	2008-03-26
154777	SB-12 28-30'	soil	2008-03-24	00:00	2008-03-26
154778	SB-12 38-40'	soil	2008-03-24	00:00	2008-03-26
154779	SB-12 48-50'	soil	2008-03-24	00:00	2008-03-26

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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 154765 - SB-10 8-10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	Sample Preparation:	2008-03-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2000**	mg/Kg	50	2.00

Sample: 154766 - SB-10 18-20'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	Sample Preparation:	2008-03-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3140**	mg/Kg	50	2.00

Sample: 154767 - SB-10 28-30'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	Sample Preparation:	2008-03-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4080**	mg/Kg	50	2.00

Sample: 154768 - SB-10 38-40'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	Sample Preparation:	2008-03-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3890**	mg/Kg	50	2.00

Sample: 154769 - SB-10 48-50'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2330**	mg/Kg	50	2.00

Sample: 154770 - SB-11 8-10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4470**	mg/Kg	50	2.00

Sample: 154771 - SB-11 18-20'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3280**	mg/Kg	50	2.00

Sample: 154772 - SB-11 28-30'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4850**	mg/Kg	50	2.00

Sample: 154773 - SB-11 38-40'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4040**	mg/Kg	50	2.00

Sample: 154774 - SB-11 48-50'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1270**	mg/Kg	50	2.00

Sample: 154775 - SB-12 8-10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

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

Sample: 154776 - SB-12 18-20'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

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

Sample: 154777 - SB-12 28-30'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**311**	mg/Kg	50	2.00

Sample: 154778 - SB-12 38-40'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**903**	mg/Kg	50	2.00

Sample: 154779 - SB-12 48-50'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46932	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40367	Sample Preparation:	2008-03-28	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**777**	mg/Kg	50	2.00

Method Blank (1) QC Batch: 46929

QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	QC Preparation:	2008-03-27	Prepared By:	AR

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

Method Blank (1) QC Batch: 46930

QC Batch:	46930	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40366	QC Preparation:	2008-03-28	Prepared By:	AR

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

Method Blank (1) QC Batch: 46932

QC Batch:	46932	Date Analyzed:	2008-03-28	Analyzed By:	AR
Prep Batch:	40367	QC Preparation:	2008-03-28	Prepared By:	AR

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

Laboratory Control Spike (LCS-1)

QC Batch:	46929	Date Analyzed:	2008-03-27	Analyzed By:	AR
Prep Batch:	40365	QC Preparation:	2008-03-27	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	96.0	mg/Kg	1	100	<0.500	96	85 - 115	4	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: 46930 | Date Analyzed: 2008-03-28 | Analyzed By: AR
Prep Batch: 40366 | QC Preparation: 2008-03-28 | 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	97.9	mg/Kg	1	100	<0.500	98	85 - 115	4	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: 46932 | Date Analyzed: 2008-03-28 | Analyzed By: AR
Prep Batch: 40367 | QC Preparation: 2008-03-28 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	103	mg/Kg	1	100	<0.500	103	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	96.9	mg/Kg	1	100	<0.500	97	85 - 115	6	20

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

Matrix Spike (MS-1) Spiked Sample: 154768

QC Batch: 46929 | Date Analyzed: 2008-03-27 | Analyzed By: AR
Prep Batch: 40365 | QC Preparation: 2008-03-27 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	8600	mg/Kg	50	5000	3891.63	94	85 - 115

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

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	8710	mg/Kg	50	5000	3891.63	96	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: 154778

QC Batch: 46930 | Date Analyzed: 2008-03-28 | Analyzed By: AR
Prep Batch: 40366 | QC Preparation: 2008-03-28 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5860	mg/Kg	50	5000	903.258	99	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	5720	mg/Kg	50	5000	903.258	96	85 - 115	2	20

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

Matrix Spike (MS-1) Spiked Sample: 154788

QC Batch: 46932 | Date Analyzed: 2008-03-28 | Analyzed By: AR
Prep Batch: 40367 | QC Preparation: 2008-03-28 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5070	mg/Kg	50	5000	175.439	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	5000	mg/Kg	50	5000	175.439	96	85 - 115	1	20

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

Standard (ICV-1)

QC Batch: 46929 | Date Analyzed: 2008-03-27 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2008-03-27

Standard (CCV-1)

QC Batch: 46929 Date Analyzed: 2008-03-27 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-03-27

Standard (ICV-1)

QC Batch: 46930 Date Analyzed: 2008-03-28 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-03-28

Standard (CCV-1)

QC Batch: 46930 Date Analyzed: 2008-03-28 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.5	100	85 - 115	2008-03-28

Standard (ICV-1)

QC Batch: 46932 Date Analyzed: 2008-03-28 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	2008-03-28

Standard (CCV-1)

QC Batch: 46932 Date Analyzed: 2008-03-28 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.9	99	85 - 115	2008-03-28

WO # 8032656

Analysis Request of 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: 2

CLIENT NAME: Celero Energy

SITE MANAGER: Jeff Kindley

PROJECT NO.: 3134

PROJECT NAME: Rock Queen Unit Plant #1

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr 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	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
154765	03/24/08		S		✓	SB-10 (8-10')	1					✓												✓				
766	03/24/08		S		✓	SB-10 (18-20')	1					✓												✓				
767	03/24/08		S		✓	SB-10 (28-30')	1					✓												✓				
768	03/24/08		S		✓	SB-10 (38-40')	1					✓												✓				
769	03/24/08		S		✓	SB-10 (48-50')	1					✓												✓				
770	03/24/08		S		✓	SB-11 (8-10')	1					✓												✓				
771	03/24/08		S		✓	SB-11 (18-20')	1					✓												✓				
772	03/24/08		S		✓	SB-11 (28-30')	1					✓												✓				
773	03/24/08		S		✓	SB-11 (38-40')	1					✓												✓				
774	03/24/08		S		✓	SB-11 (48-50')	1					✓												✓				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Jeffrey Kindley — Date: March 24, 2008 Time: 1115

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

SAMPLED BY: (Print & Initial) Jeffrey Kindley JWK — Date: 03/26/08 Time: 1200

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

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

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

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

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

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: Tx ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature) Dawn Caffall

DATE: 9/26/08 TIME: 11:15

HIGHLANDER CONTACT PERSON: Jeffrey Kindley

Results by:

RUSH Charges Authorized: Yes (No)

SAMPLE CONDITION WHEN RECEIVED: 3.0

REMARKS: all tests - midland

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Highlander Environmental Corp. - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 8032656

Analysis Request of 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: Jeff Kindley
PROJECT NO.: 3134
PROJECT NAME: Rock Queen Unit Plant #1

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr 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	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
154775	03/24/08		S		✓	SB-12 (8-10')	1					✓												✓				
776	03/24/08		S		✓	SB-12 (18-20')	1					✓												✓				
777	03/24/08		S		✓	SB-12 (28-30')	1					✓												✓				
778	03/24/08		S		✓	SB-12 (38-40')	1					✓												✓				
779	03/24/08		S		✓	SB-12 (48-50')	1					✓												✓				
3																												

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Jeffrey Kindley Date: March 24, 2008 Time: 1115
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 & Initial) Jeffrey Kindley JWK Date: 03/24/08 Time: 1200
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RECEIVING LABORATORY: Trace Analysis
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature) Lauren Ortega
DATE: 3/24/08 TIME: 11:15

HIGHLANDER CONTACT PERSON: Jeffrey Kindley
Results by:
RUSH Charges Authorized: Yes (No)

SAMPLE CONDITION WHEN RECEIVED: 3.0
REMARKS: all tests - Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Highlander Environmental Corp. - Project Manager retains Pink copy - Accounting receives Gold copy.

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

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: June 14, 2007

Work Order: 7052924

Project Name: Rock Queen ESA
Project Number: 2972

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
125727	Water Station #1 MW-1	water	2007-05-24	17:25	2007-05-29

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

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 125727 - Water Station #1 MW-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	37938	Date Analyzed:	2007-06-07	Analyzed By:	SM
Prep Batch:	32854	Sample Preparation:	2007-06-06	Prepared By:	SM

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

Sample: 125727 - Water Station #1 MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	37812	Date Analyzed:	2007-06-03	Analyzed By:	AG
Prep Batch:	32729	Sample Preparation:	2007-06-02	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00500		mg/L	5	0.00100
Toluene		<0.00500		mg/L	5	0.00100
Ethylbenzene		<0.00500		mg/L	5	0.00100
Xylene		<0.00500		mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.510	mg/L	5	0.500	102	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.449	mg/L	5	0.500	90	22.2 - 104.5

Sample: 125727 - Water Station #1 MW-1

Analysis:	Ca, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38029	Date Analyzed:	2007-06-11	Analyzed By:	TP
Prep Batch:	32755	Sample Preparation:	2007-06-04	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		**3040**		mg/L	100	1.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	Hardness	Analytical Method:	S 6010B	Prep Method:	N/A
QC Batch:	38029	Date Analyzed:	2007-06-11	Analyzed By:	TP
Prep Batch:	32755	Sample Preparation:	2007-06-04	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Hardness (by ICP)		**26600**	mg eq CaCO3/L	1	0.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37610	Date Analyzed:	2007-05-29	Analyzed By:	AR
Prep Batch:	32592	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**154000**	mg/L	5000	0.500
Sulfate		**1800**	mg/L	50	0.500

Sample: 125727 - Water Station #1 MW-1

Analysis:	K, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38029	Date Analyzed:	2007-06-11	Analyzed By:	TP
Prep Batch:	32755	Sample Preparation:	2007-06-04	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**1950**	mg/L	100	1.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	Mg, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38029	Date Analyzed:	2007-06-11	Analyzed By:	TP
Prep Batch:	32755	Sample Preparation:	2007-06-04	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**4620**	mg/L	100	1.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38029	Date Analyzed:	2007-06-11	Analyzed By:	TP
Prep Batch:	32755	Sample Preparation:	2007-06-04	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**79100**	mg/L	1000	1.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	37604	Date Analyzed:	2007-05-29	Analyzed By:	AR
Prep Batch:	32588	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**6.45**		s.u.	1	0.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38129	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	32980	Sample Preparation:	2007-06-12	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**2790**		mg/L	100	0.500
Dissolved Magnesium		**4530**		mg/L	100	0.500
Dissolved Potassium		**2210**		mg/L	100	0.500
Dissolved Sodium		**88400**		mg/L	1000	0.500

Sample: 125727 - Water Station #1 MW-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	37709	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32678	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**231100**		mg/L	100	10.00

Sample: 125727 - Water Station #1 MW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37730	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32692	Sample Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<5.00		mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		11.3	mg/L	1	15.0	75	70 - 130

Sample: 125727 - Water Station #1 MW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	37813	Date Analyzed:	2007-06-03	Analyzed By:	AG
Prep Batch:	32729	Sample Preparation:	2007-06-02	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.500	mg/L	5	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.435	mg/L	5	0.500	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.390	mg/L	5	0.500	78	70 - 130

Method Blank (1) QC Batch: 37610

QC Batch:	37610	Date Analyzed:	2007-05-29	Analyzed By:	AR
Prep Batch:	32592	QC Preparation:	2007-05-29	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		2.14	mg/L	0.5
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 37709

QC Batch:	37709	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32678	QC Preparation:	2007-05-31	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		16.00	mg/L	10

Method Blank (1) QC Batch: 37730

QC Batch:	37730	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32692	QC Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
DRO		1.13	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		13.0	mg/L	1	15.0	87	70 - 130

Method Blank (1) QC Batch: 37812

QC Batch: 37812 | Date Analyzed: 2007-06-03 | Analyzed By: AG
Prep Batch: 32729 | QC Preparation: 2007-06-02 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0887	mg/L	1	0.100	89	54.4 - 112.5

Method Blank (1) QC Batch: 37813

QC Batch: 37813 | Date Analyzed: 2007-06-03 | Analyzed By: AG
Prep Batch: 32729 | QC Preparation: 2007-06-02 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		0.0689	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0875	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0776	mg/L	1	0.100	78	70 - 130

Method Blank (1) QC Batch: 37938

QC Batch: 37938 | Date Analyzed: 2007-06-07 | Analyzed By: SM
Prep Batch: 32854 | QC Preparation: 2007-06-06 | Prepared By: JS

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

Method Blank (1) QC Batch: 38029

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.517	mg/L	1

Method Blank (1) QC Batch: 38029

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP
Prep Batch: 32755 QC Preparation: 2007-06-04 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<0.866	mg/L	1

Method Blank (1) QC Batch: 38029

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP
Prep Batch: 32755 QC Preparation: 2007-06-04 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<0.203	mg/L	1

Method Blank (1) QC Batch: 38029

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP
Prep Batch: 32755 QC Preparation: 2007-06-04 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.668	mg/L	1

Method Blank (1) QC Batch: 38129

QC Batch: 38129 Date Analyzed: 2007-06-13 Analyzed By: TP
Prep Batch: 32980 QC Preparation: 2007-06-12 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.0290	mg/L	0.5
Dissolved Magnesium		<0.0740	mg/L	0.5
Dissolved Potassium		0.451	mg/L	0.5
Dissolved Sodium		<0.529	mg/L	0.5

Duplicates (1)

QC Batch: 37604 Date Analyzed: 2007-05-29 Analyzed By: AR
Prep Batch: 32588 QC Preparation: 2007-05-29 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	6.46	6.45	s.u.	1	0	1.5

Duplicates (1)

QC Batch: 37709 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32678 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	230000	231100	mg/L	100	0	20

Duplicates (1)

QC Batch: 37938 | Date Analyzed: 2007-06-07 | Analyzed By: SM
Prep Batch: 32854 | QC Preparation: 2007-06-06 | Prepared By: JS

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	206	208	mg/L as CaCo3	1	1	20
Total Alkalinity	206	208	mg/L as CaCo3	1	1	20

Laboratory Control Spike (LCS-1)

QC Batch: 37610 | Date Analyzed: 2007-05-29 | Analyzed By: AR
Prep Batch: 32592 | QC Preparation: 2007-05-29 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.8	mg/L	1	12.5	<0.0181	102	90 - 110
Sulfate	13.0	mg/L	1	12.5	<0.0485	104	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.6	mg/L	1	12.5	<0.0181	101	90 - 110	2	
Sulfate	13.0	mg/L	1	12.5	<0.0485	104	90 - 110	0	

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

Laboratory Control Spike (LCS-1)

QC Batch: 37730 | Date Analyzed: 2007-05-31 | Analyzed By: AG
Prep Batch: 32692 | QC Preparation: 2007-05-31 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.6	mg/L	1	25.0	<0.711	106	70 - 130

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	27.2	mg/L	1	25.0	<0.711	109	70 - 130	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	13.0	13.1	mg/L	1	15.0	86	87	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 37812 | Date Analyzed: 2007-06-03 | Analyzed By: AG
Prep Batch: 32729 | QC Preparation: 2007-06-02 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000200	103	76.4 - 120.5
Toluene	0.103	mg/L	1	0.100	<0.000200	103	79.2 - 117.8
Ethylbenzene	0.0997	mg/L	1	0.100	<0.000200	100	78.8 - 117.9
Xylene	0.299	mg/L	1	0.300	<0.000300	100	80 - 120.1

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	0.103	mg/L	1	0.100	<0.000200	103	76.4 - 120.5	0	20
Toluene	0.104	mg/L	1	0.100	<0.000200	104	79.2 - 117.8	1	20
Ethylbenzene	0.100	mg/L	1	0.100	<0.000200	100	78.8 - 117.9	0	20
Xylene	0.301	mg/L	1	0.300	<0.000300	100	80 - 120.1	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0939	0.0915	mg/L	1	0.100	94	92	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0981	0.0978	mg/L	1	0.100	98	98	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 37813 | Date Analyzed: 2007-06-03 | Analyzed By: AG
Prep Batch: 32729 | QC Preparation: 2007-06-02 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.841	mg/L	1	1.00	<0.0590	84	70 - 130

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	0.793	mg/L	1	1.00	<0.0590	79	70 - 130	6	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)	0.105	0.114	mg/L	1	0.100	105	114	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0949	0.0887	mg/L	1	0.100	95	89	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	51.7	mg/L	1	50.0	<0.517	103	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	52.1	mg/L	1	50.0	<0.517	104	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: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	51.5	mg/L	1	50.0	<0.866	103	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	52.0	mg/L	1	50.0	<0.866	104	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: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	50.7	mg/L	1	50.0	<0.203	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
Total Magnesium	51.0	mg/L	1	50.0	<0.203	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: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	51.3	mg/L	1	50.0	<0.668	103	87.3 - 124

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	52.0	mg/L	1	50.0	<0.668	104	87.3 - 124	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: 38129 | Date Analyzed: 2007-06-13 | Analyzed By: TP
Prep Batch: 32980 | QC Preparation: 2007-06-12 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Calcium	51.4	mg/L	1	50.0	<0.0290	103	79.1 - 121
Dissolved Magnesium	51.4	mg/L	1	50.0	<0.0740	103	80.2 - 120
Dissolved Potassium	51.2	mg/L	1	50.0	<0.307	102	78.8 - 114
Dissolved Sodium	52.1	mg/L	1	50.0	<0.529	104	79.4 - 123

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
Dissolved Calcium	51.6	mg/L	1	50.0	<0.0290	103	79.1 - 121	0	20
Dissolved Magnesium	51.5	mg/L	1	50.0	<0.0740	103	80.2 - 120	0	20
Dissolved Potassium	51.3	mg/L	1	50.0	<0.307	103	78.8 - 114	0	20
Dissolved Sodium	51.6	mg/L	1	50.0	<0.529	103	79.4 - 123	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: 125727

QC Batch: 37610 | Date Analyzed: 2007-05-29 | Analyzed By: AR
Prep Batch: 32592 | QC Preparation: 2007-05-29 | Prepared By: AR

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [1]	177000	mg/L	50	625	179679	-427	90 - 110
Sulfate	2390	mg/L	50	625	1796.67	95	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride [2]	178000	mg/L	50	625	179679	-267	90 - 110	1	
Sulfate	2420	mg/L	50	625	1796.67	100	90 - 110	1	

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

Matrix Spike (MS-1) Spiked Sample: 126001

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	65.9	mg/L	1	50.0	14.2	103	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	65.1	mg/L	1	50.0	14.2	102	75 - 125	1	20

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

Matrix Spike (MS-1) Spiked Sample: 126001

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	55.9	mg/L	1	50.0	3.6	105	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	54.9	mg/L	1	50.0	3.6	103	75 - 125	2	20

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

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

Matrix Spike (MS-1) Spiked Sample: 126001

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	55.1	mg/L	1	50.0	3.55	103	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	54.0	mg/L	1	50.0	3.55	101	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 126001

QC Batch: 38029 | Date Analyzed: 2007-06-11 | Analyzed By: TP
Prep Batch: 32755 | QC Preparation: 2007-06-04 | Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	[3]	769	mg/L	1	50.0	705	128	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	766	mg/L	1	50.0	705	122	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 127171

QC Batch: 38129 | Date Analyzed: 2007-06-13 | Analyzed By: TP
Prep Batch: 32980 | QC Preparation: 2007-06-12 | Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Calcium		142	mg/L	1	50.0	92.3	99	69 - 130
Dissolved Magnesium		98.1	mg/L	1	50.0	49	98	77.9 - 122
Dissolved Potassium		61.9	mg/L	1	50.0	10.7	102	76.8 - 117
Dissolved Sodium	[4]	244	mg/L	1	50.0	180	128	84.2 - 120

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
Dissolved Calcium	144	mg/L	1	50.0	92.3	103	69 - 130	1	20
Dissolved Magnesium	99.9	mg/L	1	50.0	49	102	77.9 - 122	2	20

continued ...

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

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Potassium	62.7	mg/L	1	50.0	10.7	104	76.8 - 117	1	20
Dissolved Sodium	239	mg/L	1	50.0	180	118	84.2 - 120	2	20

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

Standard (ICV-1)

QC Batch: 37604 Date Analyzed: 2007-05-29 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.06	101	98 - 102	2007-05-29

Standard (CCV-1)

QC Batch: 37604 Date Analyzed: 2007-05-29 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.18	102	98 - 102	2007-05-29

Standard (ICV-1)

QC Batch: 37610 Date Analyzed: 2007-05-29 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2007-05-29
Sulfate		mg/L	12.5	12.7	102	90 - 110	2007-05-29

Standard (CCV-1)

QC Batch: 37610 Date Analyzed: 2007-05-29 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2007-05-29
Sulfate		mg/L	12.5	12.7	102	90 - 110	2007-05-29

Standard (ICV-1)

QC Batch: 37709 Date Analyzed: 2007-05-31 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1047	105	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37709 Date Analyzed: 2007-05-31 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	960.0	96	90 - 110	2007-05-31

Standard (ICV-1)

QC Batch: 37730 Date Analyzed: 2007-05-31 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	277	111	85 - 115	2007-05-31

Standard (CCV-1)

QC Batch: 37730 Date Analyzed: 2007-05-31 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	278	111	85 - 115	2007-05-31

Standard (ICV-1)

QC Batch: 37812 Date Analyzed: 2007-06-03 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2007-06-03
Toluene		mg/L	0.100	0.103	103	85 - 115	2007-06-03
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2007-06-03
Xylene		mg/L	0.300	0.304	101	85 - 115	2007-06-03

Standard (CCV-1)

QC Batch: 37812 Date Analyzed: 2007-06-03 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2007-06-03
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-06-03
Ethylbenzene		mg/L	0.100	0.0996	100	85 - 115	2007-06-03
Xylene		mg/L	0.300	0.299	100	85 - 115	2007-06-03

Standard (ICV-1)

QC Batch: 37813 Date Analyzed: 2007-06-03 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.872	87	85 - 115	2007-06-03

Standard (CCV-1)

QC Batch: 37813 Date Analyzed: 2007-06-03 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.981	98	85 - 115	2007-06-03

Standard (ICV-1)

QC Batch: 37938 Date Analyzed: 2007-06-07 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2007-06-07

Standard (CCV-1)

QC Batch: 37938 Date Analyzed: 2007-06-07 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2007-06-07

Standard (ICV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	51.7	103	90 - 110	2007-06-11

Standard (ICV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	51.6	103	90 - 110	2007-06-11

Standard (ICV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	51.6	103	90 - 110	2007-06-11

Standard (ICV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	50.6	101	90 - 110	2007-06-11

Standard (CCV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	50.8	102	90 - 110	2007-06-11

Standard (CCV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	49.0	98	90 - 110	2007-06-11

Standard (CCV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	50.1	100	90 - 110	2007-06-11

Standard (CCV-1)

QC Batch: 38029 Date Analyzed: 2007-06-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	47.4	95	90 - 110	2007-06-11

Standard (ICV-1)

QC Batch: 38129 Date Analyzed: 2007-06-13 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	51.7	103	90 - 110	2007-06-13
Dissolved Magnesium		mg/L	50.0	52.0	104	90 - 110	2007-06-13
Dissolved Potassium		mg/L	50.0	51.5	103	90 - 110	2007-06-13
Dissolved Sodium		mg/L	50.0	50.4	101	90 - 110	2007-06-13

Standard (CCV-1)

QC Batch: 38129 Date Analyzed: 2007-06-13 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.0	98	90 - 110	2007-06-13
Dissolved Magnesium		mg/L	50.0	50.2	100	90 - 110	2007-06-13
Dissolved Potassium		mg/L	50.0	49.6	99	90 - 110	2007-06-13
Dissolved Sodium		mg/L	50.0	51.8	104	90 - 110	2007-06-13

7052924

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

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Midland, Texas 79705

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

PAGE: OF:

CLIENT NAME: Celero Energy

SITE MANAGER: Gary Miller

PROJECT NO.: 2972

PROJECT NAME: Rock Queen/ESA

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
125727	5-24-07	1725	W		X	Water Station #1-MW-1	3				X	
			W		X							

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602	MTBE 8080/608	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)	See Attached Major Ions
X		X														X	

RELINQUISHED BY: (Signature) Gary Miller Date: 5-24-07 Time: 1150

RECEIVED BY: (Signature) [illegible] Date: 5-30-07 Time: 1100

SAMPLED BY: (Print & Sign) Jerry Sides Date: 5-24-07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) 4° Date: 5-30-07 Time: 8:00

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

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

HIGHLANDER CONTACT PERSON:

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED: 4°

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

REMARKS: AFE P2492410

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.

APPENDIX B
PERMEABILITY/SIEVE ANALYSIS

Hines, Joleen

From: Hines, Joleen
Sent: Monday, September 26, 2005 3:48 PM
To: 'John P Pellicer'
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

9/26/2005

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

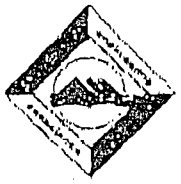
Dry weight of sample (g): 20511.00
Sample volume (cm^3): 14884.53
Assumed particle density: 2.65

Initial Volumetric Moisture Content (% vol): 6.9
Initial Gravimetric 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
N/A = 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.
PROJECT #: _____

DATE RECEIVED: 9/16/05

DBS&A
PROJECT #: _____

1) Are the custody seals on the cooler intact?	NA
2) Are the custody seals on the sample contalners 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.

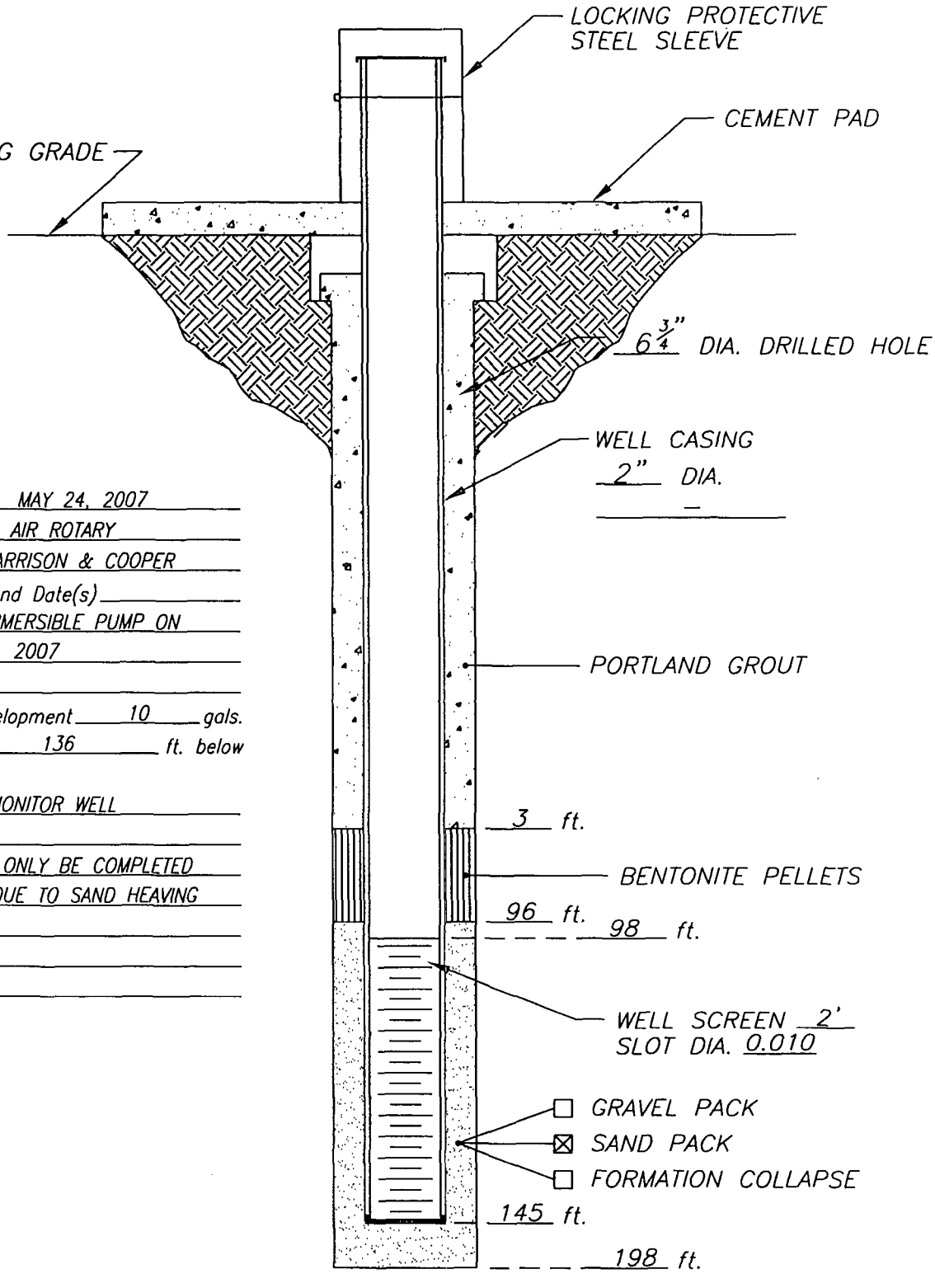
NOTE: Samples will be held for a period of 30 days after the completion of testing. After 30 days samples will be disposed of locally unless DBS&A receives other instructions.

Signature: _____

5640 OSUNA RD NE, ALBUQUERQUE, NM 87109
(505) 889-7752 FAX (505) 889-0258

APPENDIX C
BORING LOGS/MONITOR WELL CONSTRUCTION DIAGRAM

WELL CONSTRUCTION LOG



Installation Date(s) MAY 24, 2007
Drilling Method AIR ROTARY
Drilling Contractor HARRISON & COOPER
Development Technique(s) and Date(s) HAND BAILING / SUBMERSIBLE PUMP ON MAY 24, 2007

Water Removed During Development 10 gals.
Static Depth to Water 136 ft. below Ground Level
Well Purpose MONITOR WELL

Remarks WELL COULD ONLY BE COMPLETED TO 145' TD DUE TO SAND HEAVING

DATE: 5/24/07 *TETRA TECH, INC.* *MIDLAND, TEXAS*	CLIENT: *CELERO* PROJECT: *INJECTION PLANT #1* LOCATION: *CHAVES COUNTY, NM*	WELL NO. MW-1

SAMPLE LOG

Boring/Well: MW-1
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 198
Date Installed: 05/24/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Buff limestone with chert intermixed with tan sand
5-10	--	Buff limestone with chert intermixed with tan sand
10-15	--	Buff to tan sandy limestone with chert
15-20	--	Tan calcareous fine grain sand
23-25	--	Tan calcareous fine grain sand
28-30	--	Tan well sorted calcareous sand
33-35	--	Tan well sorted calcareous sand
38-40	--	Tan well sorted calcareous sand
43-45	--	Tan well sorted calcareous sand
48-50	--	Tan well sorted calcareous sand
53-55	--	Tan fine grain sand
58-60	--	Tan fine grain sand
63-65	--	Tan fine grain sand
68-70	--	Tan fine grain sand
73-75	--	Tan fine grain sand
78-80	--	Tan fine grain sand
83-85	--	Tan fine grain sand
88-90	--	Tan fine grain sand
98-100	--	Tan fine grain sand
108-110	--	Tan fine grain sand
118-120	--	Tan fine grain sand
128-130	--	Tan fine grain sand
138-140	--	Tan fine grain sand
148-150	--	Red fine grain sand
158-160	--	Tan fine grain sand

168-170	--	Dark brown clayey sand
178-180	--	Light red sandy clay
188-190	--	Red clayey sand
198	--	Red sandy clay

Total Depth is 198 feet Groundwater at 133 feet piping installed to 145 feet

SAMPLE LOG

Boring/Well: SB-1
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 100
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	38.0	Buff/tan calcareous sand with strong hydrocarbon odor
5-10	2.7	Tan/yellow calcareous sand with slight hydrocarbon odor
10-15	3.0	Tan fine grain calcareous sand with no hydrocarbon odor
15-20	3.2	Tan fine grain calcareous sand
25-30	2.9	Tan fine grain calcareous sand
35-40	4.8	Tan fine grain well sorted sand
45-50	2.7	Tan fine grain well sorted sand
55-60	2.1	Tan fine grain well sorted sand
65-70	2.9	Tan fine grain well sorted sand
75-80	2.7	Tan fine grain well sorted sand
85-90	0.0	Tan fine grain well sorted sand
95-100	3.1	Tan fine grain well sorted sand

Total Depth is 100 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-2
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	8.6	Buff/tan fine grain sandy limestone
15-20	2.9	Tan fine grain calcareous sand
25-30	2.5	Tan fine grain calcareous sand
35-40	2.6	Tan fine grain calcareous sand
45-50	2.9	Tan fine grain calcareous sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-3
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	8.6	Buff/tan fine grain calcareous sand
15-20	2.5	Tan fine grain calcareous sand
25-30	3.4	Tan fine grain calcareous sand
35-40	3.2	Tan fine grain calcareous sand
45-50	2.7	Tan fine grain calcareous sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-4
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	5.0	Rocky gravel with tan fine grain calcareous sand
15-20	2.5	Tan/buff fine grain calcareous sand
25-30	2.4	Tan/buff fine grain calcareous sand
35-40	3.2	Tan/buff fine grain calcareous sand
45-50	2.8	Tan/buff fine grain calcareous sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-5
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 10
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	3.6	Rocky gravel with tan medium grain calcareous sand
15-20	0.0	Not able to collect sample

Total Depth is 10 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-6
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	28.5	Dark brown hydrocarbon stainded sand
15-20	13.5	Tan fine grain calcareous sand with hydrocarbon odor
25-30	6.7	Tan fine grain calcareous sand
35-40	6.1	Tan fine grain calcareous sand
45-50	3.8	Tan fine grain calcareous sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-6
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/15/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	28.5	Dark brown hydrocarbon stained sand
15-20	13.5	Tan fine grain calcareous sand with hydrocarbon odor
25-30	6.7	Tan fine grain calcareous sand
35-40	6.1	Tan fine grain calcareous sand
45-50	3.8	Tan fine grain calcareous sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-7
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/16/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	2.4	Rocky gravel with sand and limestone intermixed
15-20	2.5	Buff/tan calcareous sand
25-30	2.3	Buff/tan calcareous sand
35-40	2.4	Tan fine grain well sorted sand
45-50	2.1	Tan fine grain well sorted sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-8
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/16/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	2.2	Rocky gravel with sand and limestone intermixed
15-20	2.2	Buff/tan calcareous sand
25-30	2.4	Buff/tan calcareous sand
35-40	2.2	Tan fine grain well sorted sand
45-50	2.2	Tan fine grain well sorted sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-9
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 10/16/07

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	2.3	Rocky gravel with sand and limestone and chert intermixed
15-20	2.7	Buff/tan calcareous sand
25-30	2.3	Buff/tan calcareous sand
35-40	2.3	Tan fine grain well sorted sand
45-50	2.6	Tan fine grain well sorted sand

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-10
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 03/24/08

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	2.1	Tan/brown limestone (salty)
15-20	1.9	Tan fine grain sand intermixed with limestone (salty)
25-30	1.8	Tan fine grain sand intermixed with limestone (salty)
35-40	2.2	Tan fine grain sand intermixed with limestone (salty)
45-50	1.5	Tan fine grain sand intermixed with limestone (salty)

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-11
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 03/24/08

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	1.6	Tan to brown limestone (salty)
15-20	1.5	Buff limestone with some sand intermixed (salty)
25-30	1.6	Tan fine grain sand (salty)
35-40	1.8	Tan fine grain sand (salty)
45-50	1.6	Tan fine grain sand (salty)

Total Depth is 50 feet No Groundwater encountered during drilling

SAMPLE LOG

Boring/Well: SB-12
Project Number: 3134
Client: Celero Energy
Site Location: Rock Queen SWD Plant #1
Location: Chavez County, New Mexico
Total Depth 50
Date Installed: 03/24/08

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5-10	1.4	Hard tan to brown limestone (no salt)
15-20	1.3	Hard cherty limestone (no salt)
25-30	1.7	Tan fine grain sand (no salt)
35-40	1.6	Tan fine grain sand (slight salt)
45-50	1.5	Tan fine grain sand (slight salt)

Total Depth is 50 feet No Groundwater encountered during drilling

APPENDIX D
INITIAL C-141 & C-144

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Celero Energy II, LP Telephone: (432) 686-1883 e-mail address: bwoodard@celeroenergy.com
Address: 400 West Illinois, Suite 1601, Midland, Texas 79701
Facility or well name: Rock Queen Unit Saltwater Plant #1 API #: _____ U/L or Qtr/Qtr D Sec 26 T-13-S R-31-E
County: Chaves Latitude 33.16667 N Longitude 103.79917 W NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☒ Lined ☒ Unlined ☐ Liner type: Unknown/Fiberglass X Thickness **Unknown** mil Clay ☐ Pit Volume 25,000 bbl	Volume: _____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) **0**
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **0**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **0**
	Ranking Score (Total Points)	**0**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: This registration is for information purposes only. This pit was constructed in the 1960's and were inventoried, but never registered in 1997.
The liner is not visible at this time, it appears to be of similar construction of other pits in this Unit which are fiberglass.
This pit is out of service and a work plan for closure is being prepared.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐. See above ☒**

Date: **6-15-2007**
Printed Name/Title **Bruce Woodard, Engineer** Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature _____ Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised June 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

(AMENDED)

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: Celero Energy II, LP	Contact: Bruce Woodard
Address: 400 W. Illinois, Suite 1601, Midland, TX 79701	Telephone No. 432-686-1883
Facility Name: Rock Queen Unit Saltwater Plant #1	Facility Type: Pit at Tank Battery

Surface Owner State	Mineral Owner State	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	26	13S	31E					Chaves

Latitude 33.16667° **Longitude** 103.79917°

NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release Unknown	Volume Recovered None
Source of Release	Date and Hour of Occurrence Unknown	Date and Hour of Discovery N/A
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson, NMOCD	
By Whom? Bruce Woodard	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
This is an historic pit location. Celero acquired from Palisades and is in the process of closing.

Describe Area Affected and Cleanup Action Taken.*
Pit has been dewatered. Investigation and Characterization Plan has been submitted for approval.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Bruce Woodard	Approved by District Supervisor:	
Title: Engineer	Approval Date:	Expiration Date:
E-mail Address: bwoodard@celeroenergy.com	Conditions of Approval:	Attached ☐
Date: Phone: (432) 686-1883		

Attach Additional Sheets If Necesary