TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

P0088
RCO 2180

November 2, 2006

Mr. Larry Rose
Division of Waste Management - Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Semi-Annual Groundwater Monitoring Event (October 2006)
Lee County Landfill - Sanford, NC
NCDWM-Solid Waste Section Permit # 53-01
TerraQuest Project No. 02296

Received
2006
Waste
Management

Dear Mr. Rose:

TerraQuest Environmental Consultants, P.C. (TerraQuest) has completed the second of two biannual ground and surface water sampling events for 2006 at the Lee County Landfill in Sanford, NC. Enclosed are copies of the analytical report, a site location map, a site layout map, and a potentiometric surface map.

On October 20, 2006, TerraQuest personnel sampled monitoring wells MW5, MW6, MW9, MW12, MW13, and MW14, and collected one surface water sample, SW2. All of the water samples were analyzed per EPA Methods 8260A Appendix I and 8 RCRA Metals. All water samples were collected following technical methods and standard procedures as outlined on the enclosed sheets. TerraQuest personnel also collected dissolved oxygen, pH, temperature, and conductivity measurements from each of the sampled monitoring wells. These measurements are listed on the enclosed Table 1.

The analytical results revealed detectable compounds by the 8260A Appendix I sampling method in monitoring well MW12 only. Benzene and 1,4-dichlorobenzene were detected at concentrations in excess of those set forth under Title 15A of the North Carolina Administrative Code Subchapter 2L .0202(g). Table 2 lists the detected compounds and their 2L Standards. Table 3 depicts the 8260A Appendix I groundwater analytical history for monitoring well MW12.

Results of the 8 RCRA Metals analysis indicate that all of the monitoring wells had detections of at least one metal. Monitoring wells MW5, MW12, and MW14 had reported lead concentrations above the 2L Standards. No other metal 2L Standard violations were reported. Table 2 provides the metal concentrations for each monitoring well, and Table 4 lists the analytical history of the metals for monitoring well MW12.

There were no detected concentrations above the Title 15A NCAC 2B .0200 Surface Water Quality Standards (2B Standards) in the surface water sample SW2. The only detected concentrations for surface water sample SW2 was barium at a concentration of 84.0 ppb. Analytical results for the sample are summarized in Table 2.

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A potentiometric surface map (Figure 3) depicting an interpreted groundwater flow direction at the site is attached. Based upon the water levels in the monitoring wells, the groundwater flow direction is to the southeast toward Mare Branch Creek. This flow direction conforms with historical flow directions. Table 5 lists the groundwater elevations for the monitoring wells.

If you have any questions regarding the sampling event or analytical report, please contact either one of the undersigned at (919) 932-1590 or Mr. Joseph Cherry of the Lee County Public Works Department at (919) 774-8440. Thank you.
Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.

NORTH CAROLINA LICENSED SEAL 1195 GEOLOGIST MICHAEL J. BROWN

Ryan D. Kerins
Project Manager

Michael J. Brown, P.G.
President

Enclosures:
- Analytical Report
- Figure 1: Site Location Map
- Figure 2: Site Layout Map
- Figure 3: Potentiometric Surface Map (10/20/06)
- Technical Methods/Standard Procedures
- Table 1: Groundwater Parameter Data (10/20/06)
- Table 2: Summary of Groundwater Sampling Results (10/20/06)
- Table 3: 8260A Appendix I Groundwater Analytical History for MW12
- Table 4: 8 RCRA Metals Groundwater Analytical History for MW12
- Table 5: Water Table Elevation Data (10/20/06)

TECHNICAL METHODS/STANDARD PROCEDURES

Groundwater Sampling

Groundwater samples are collected from temporary or permanent monitoring wells according to established sampling protocol. When permanent monitoring wells are sampled the well is purged of a minimum of three well-bore volumes prior to sample collection in order to assure that sampled water is representative of aquifer conditions. In temporary wells, the first water which migrates into the open borehole is sampled. Samples from both temporary and permanent monitoring wells are collected using individually wrapped disposable teflon bailers by a field personnel wearing disposable latex gloves. Only one well is sampled with a given bailer in order to prevent sample cross-contamination. Also, field personnel change gloves between different samples to reduce the chance of cross-contamination. Water samples are transferred from the bailer to laboratory-prepared sampling containers using slow emptying devices to reduce the chance of contamination loss through volatilization. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, the preservative, and the sampler's initials. The samples are cooled on ice to four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Surface Water Sampling

Surface water samples, specifically samples from creeks or streams, are collected from a moving/flowing portion of the creek or stream to ensure that stagnant water is not collected. Field personnel are careful to collect samples from flowing areas that are not so turbulent as to cause a loss of volatile contaminants which might have been contained in the creek's/stream's water. Samples are collected by field personnel wearing disposable latex gloves. Field personnel change gloves between different locations to reduce the chance of cross-contamination. Samples are collected directly from the appropriate creek or stream location and placed into the appropriate laboratory-prepared containers. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, the preservative, and the sampler's initials. The samples are cooled on ice to approximately four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Field Measurements

Field measurements taken to determine the pH, conductivity, temperature, and dissolved oxygen concentration of a particular groundwater sample are taken directly after a particular monitoring well has been adequately purged. Once purging of the monitoring

well is complete, a new, disposable teflon bailer is slowly lowered into the appropriate monitoring well and a representative groundwater sample is retrieved. A slow pouring device is fitted onto the end of the disposable bailer and the sample is slowly poured into a new, disposable plastic cup.

For pH, conductivity, and temperature, an OAKTON® pH/CON 10 portable meter is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. The procedure used for sample measurement involves lowering the meter's probe into the new, disposable cup containing the groundwater sample to be measured and slowly stirring the probe to force groundwater across the probe's membrane. The measurements displayed by the meter are then recorded.

For dissolved oxygen concentration measurements, a YSI Model 55 Handheld Dissolved Oxygen System is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. The procedure used for sample measurement involves adjusting the unit for the correct altitude where the sampling will take place and adjusting the reported units desired. Once this is done, the unit's probe is inserted into the new, disposable cup containing the groundwater sample to be measured and the probe is slowly stirred to force the groundwater across the probe's membrane. The measurements displayed by the unit are then recorded.

Table 1 GROUNDWATER PARAMETER DATA (10/20/06)

Date: 11/1/06 Incident Name: Lee County Landfill Permit # 53-01

WELL	TEMPERATURE (°C)	CONDUCTIVITY (µS/sec)	pH (Units)	DISSOLVED OXYGEN (mg/l)
MW5	20.0	161.4	6.53	0.67
MW6	18.5	26.3	4.75	0.88
MW9	20.5	41.4	4.93	1.54
MW12	19.9	1,954	6.35	1.82
MW13	19.7	52.3	5.38	1.39
MW14	20.0	104.8	5.67	1.46

Notes:

1. °C - degrees Celsius
2. µS/sec - microsiemens per second
3. mg/l - milligrams per liter

Table 2
Date: 11/1/06

SUMMARY OF GROUNDWATER SAMPLING RESULTS (10/20/06)
Incident Name: Lee County Landfill

Permit No. 53-01

Contaminant of Concern																					
Well ID	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	MtBE	Isopropylbenzene	Chlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	Chloroethane	Mercury	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver
MW5	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**320**	<5.0	<10.	[illegible]	<20.	<10.
MW6	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**60.0**	<5.0	<10.	<5.0	<20.	<10.
MW9	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**77.0**	<5.0	<10.	**5.2**	<20.	<10.
MW12	10/20/2006	[illegible]	<5.0	<1.0	<3.0	<1.0	**1.2**	**15.0**	<1.0	[illegible]	**20.0**	<1.0	**110**	<0.20	<20.	**2,000**	<5.0	<10.	[illegible]	<20.	<10.
MW13	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**280**	<5.0	<10.	**9.5**	<20.	<10.
MW14	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**220**	<5.0	**22.0**	[illegible]	<20.	<10.
SW2	10/20/2006	<1.0	<5.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<20.	**84.0**	<5.0	<10.	<5.0	<20.	<10.
	2L Standard	1	1,000	550	530	200	70	50	170	1.4	70	0.38	2,800	1.1	50	2,000	5	50	15	50	15
	2B Standard	71	11	1,090	88.5	1,160	316	488	488	488	3,400	0.38	860	0.012	50	1,000	2	50	25	5	0.06

Notes:
1. All results in µg/l.
2. **Bold** denotes a detection.
3. [illegible]
4. < - denotes less than sample detection limit.

Table 3
Date: 11/1/06

8260A APPENDIX I GROUNDWATER ANALYTICAL HISTORY FOR MW12

Incident Name: Lee County Landfill

Permit No. 53-01

Analytical Method		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Contaminant of Concern																		
Well ID	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Acetone	Chlorobenzene	Chloroethane	o-Dichlorobenzene	1,3,-Dichlorobenzene	1,4,-Dichlorobenzene	1,1 Dichloroethane	1,2 Dichloroethane	Dichlorodifluoromethane	Isopropylbenzene	trans-1,2-Dichloroethene	Naphthalene	Vinyl Chloride
MW12	10/14/1996	[illegible]	<5	**1.54**	<5	<250	**9.36**	**658**	<5	<1.0	**4.51**	**131**	[illegible]	<1	-	<5	-	<10
MW12	5/7/1997	[illegible]	<5	<5	<5	<250	**16.6**	**531**	<5	<1.0	**5.39**	**189**	[illegible]	<1	-	<5	-	[illegible]
MW12	10/9/1997	[illegible]	**0.86**	**0.92**	<.5	<25	**9.54**	**633**	**5.85**	<1.0	**3.78**	**113**	[illegible]	<1	-	<.5	-	<.5
MW12	4/15/1998	[illegible]	**0.62**	**1.38**	**0.66**	<25	**18.3**	**585**	<.05	<1.0	**5.85**	**157**	[illegible]	<1	**2.2**	**0.8**	**1.27**	[illegible]
MW12	10/16/1998	[illegible]	<1	<1	<3	<50	**10**	**360**	<1	<1.0	**2.3**	**80**	<1	<1	-	<1	-	<1
MW12	5/3/1999	[illegible]	<1	<1	<3	<50	**13**	**390**	<1	<1.0	<1	**81**	[illegible]	**3.1**	**1.6**	<1	**1.2**	[illegible]
MW12	10/19/1999	[illegible]	**1**	**1**	<3	<50	**18**	**330**	<1	<1.0	**7.2**	**68**	[illegible]	-	-	<1	-	[illegible]
MW12	5/4/2000	<5	<5	<5	<15	<250	**9.1**	**400**	<5	<5.0	**6.5**	**79**	<5	<5	<5	<5	<5	<5
MW12	10/17/2000	<10	<10	<10	<30	**680**	**11**	**380**	<10	<10	<10	**47**	<10	<10	<10	<10	<10	<10
MW12	4/17/2001	[illegible]	<2	<2	<6	<100	**14**	**2,700**	<2	<2	**7**	**98.0**	[illegible]	**2.5**	<2	<2	<2	<2
MW12	10/31/2001	<10.	<50.	<10	<30	<500	<10.	**150**	<10.	<50	<10.	**35.0**	<10.	-	-	<10.	-	<10.
MW12	4/22/2002	[illegible]	<25	<5	<15	<250	**16**	**250**	<5	<25	**5.6**	**57**	<5	<5	<5	<5	<25	<5
MW12	10/21/2002	[illegible]	<5	<1	<3	<50.	**12.0**	<1	<1	<5	**3.6**	**23.0**	<1	<1	**1.2**	<1	<5	<1
MW12	4/21/2003	[illegible]	<5.0	**1.2**	**3.4**	<50.0	**18.0**	**160**	<1.0	<5	**6.4**	**34.0**	<1.0	<1.0	**1.6**	<1.0	<5.0	<1.0
MW12	10/30/2003	[illegible]	<5.0	<1.0	<3.0	<50.	**18.0**	**160**	-	<5	**5.9**	**34.0**	<1.0	<1.0	**1.8**	<1.0	<5.0	<1.0
MW12	4/21/2004	[illegible]	<5.0	**1.3**	<3.0	<25.	**20.0**	**290**	-	<5	**6.4**	**48.0**	<1.0	<1.0	**2.5**	<1.0	<5.0	<1.0
MW12	10/28/2004	[illegible]	<5.0	<1.0	<3.0	<25.	**29.0**	**190**	-	<5	**7.7**	**44.0**	<1.0	<1.0	**1.5**	<1.0	<5.0	<1.0
MW12	4/18/2005	[illegible]	<5.0	<1.0	<3.0	<25.	**19.0**	**260**	-	<5	**5.9**	**40.0**	[illegible]	<1.0	**1.5**	<1.0	<5.0	<1.0
MW12	10/31/2005	[illegible]	<5.0	<1.0	<3.0	<25.	**13.0**	**110**	-	<5	**3.9**	**18.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW12	4/10/2006	[illegible]	<5.0	<1.0	<3.0	<50.	**16.0**	**170**	-	**3.9**	[illegible]	**29.0**	[illegible]	<1.0	**1.7**	<1.0	<5.0	<1.0
MW12	10/20/2006	[illegible]	<5.0	<1.0	<3.0	<50.	**15.0**	**110**	-	<1.0	[illegible]	**20.0**	<1.0	<1.0	**1.2**	<1.0	<5.0	<1.0
	2L Standard	1	1,000	550	530	700	50	2,800	620	170	1.4	70	0.38	1,400	70	70	21	0.015

Notes:
1. All results in µg/l.
2. **Bold** denotes a detection.
3. Shading denotes a 2L standard violation.
4. < - denotes less than sample detection limit.
5. - indicates analyte not tested.

Table 4 8 RCRA METALS GROUNDWATER ANALYTICAL HISTORY FOR MW12

Date: 11/1/06 Incident Name: Lee County Landfill Permit No. 53-01

Contaminant of Concern									
Well ID	Date Collected	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
MW12	10/14/1996	<3	[illegible]	[illegible]	7	<3	<.2	<3	<1
MW12	5/7/1997	[illegible]	**1,866**	[illegible]	**5**	**10**	**0.2**	<3	<1
MW12	10/9/1997	[illegible]	[illegible]	**4**	[illegible]	[illegible]	**0.4**	<3	**17**
MW12	4/15/1998	[illegible]	[illegible]	<1	**34**	[illegible]	<.2	<5	<2
MW12	10/16/1998	[illegible]	[illegible]	[illegible]	**13**	[illegible]	<.2	<5	<2
MW12	5/3/1999	<5	[illegible]	**2.3**	**3**	**10**	<.2	<5	<2
MW12	10/19/1999	[illegible]	[illegible]	**4.8**	**14**	[illegible]	<.2	<5	<2
MW12	5/4/2000	**40**	[illegible]	<2	[illegible]	[illegible]	<.2	[illegible]	**11**
MW12	10/17/2000	**6.7**	[illegible]	**3.1**	**4.2**	[illegible]	<.2	**18.0**	<2
MW12	4/17/2001	<5	[illegible]	[illegible]	**4.5**	[illegible]	<.2	**6.7**	<2
MW12	10/31/2001	<5	[illegible]	<2	<2	[illegible]	<.2	<5	<2
MW12	4/22/2002	<10	[illegible]	<5	<10	[illegible]	<.2	<10	<5
MW12	10/21/2002	<10.	**1,900**	<5	<10	<5	<.2	<10.	<5
MW12	4/21/2003	<10.0	**1,800**	<5.0	<10.0	[illegible]	<0.20	<10.0	<5.0
MW12	10/30/2003	<10.	**1,900**	<5.0	[illegible]	[illegible]	<0.20	<10.	<5.0
MW12	4/21/2004	<10.	[illegible]	<5.0	<10.	[illegible]	<0.20	**42.0**	<5.0
MW12	10/28/2004	<10.	**1,900**	<5.0	[illegible]	**9.8**	<0.20	<10.	<5.0
MW12	4/18/2005	<20.	**1,800**	<5.0	<10.	**5.9**	<0.20	<20.	<10.
MW12	10/31/2005	**21.0**	[illegible]	<5.0	<10.	[illegible]	<0.20	<20.	<10.
MW12	4/10/2006	<20.	**1,800**	<5.0	<10.	[illegible]	<0.20	**28.0**	<10.
MW12	10/20/2006	<20.	**2,000**	<5.0	<10.	[illegible]	<0.20	<20.	<10.
	2L Standard	50	2,000	5	50	15	1.1	50	18

Notes:

1. All results in µg/l.
2. **Bold** denotes a detection.
3. [illegible] detection.
4. < - denotes less than sample detection limit.

Table 5 WATER TABLE ELEVATION DATA (10/20/06)

Date: 11/1/06 Incident Name: Lee County Landfill Permit # 53-01

Monitoring Well Number	Casing Elevation	Depth to Water (10/20/06)	Relative Water Elevation (10/20/06)
MW4	345.9	14.72	331.2
MW5	351.1	7.25	343.9
MW6	402.1	10.00	392.1
MW7	360.3	10.42	349.9
MW9	384.2	12.11	372.1
MW10	377	9.72	367.3
MW11	399.6	11.68	387.9
MW12	337.4	5.35	332.1
MW13	363.93	16.42	347.5
MW14	358.61	8.56	350.1

Notes:

1. All elevation in feet.
2. The casing elevations are relative to a datum plane of mean sea level.

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Received
NOV 2006
Waste
Management

Mr. Jonathan Grubbs
TerraQuest Environmental Consultants PC
209 East Main Street

Carrboro, NC 27510

Report Summary

Tuesday October 31, 2006

Report Number: L266042
Samples Received: 10/21/06
Client Project: 02296

Description: Lee County Landfill

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Reviewed By: Jimmy Hunt
Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, WA - C1915

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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-01

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-5

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 11:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	320	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	21.	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-01

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-5

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 11:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	92.6		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	99.4		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	92.4		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-02

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-6

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	50.	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	BDL	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-02

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-6

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	93.0		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	101.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	95.2		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-03

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-9

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	77.	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	5.2	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-03

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-9

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 09:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	94.8		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	103.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	93.4		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-04

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-12

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 10:56

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	2000	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	64.	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/31/06	1
Acrolein	BDL	50.	ug/l	8260B	10/31/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/31/06	1
Benzene	4.0	1.0	ug/l	8260B	10/31/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/31/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/31/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/31/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/31/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/31/06	1
Chlorobenzene	15.	1.0	ug/l	8260B	10/31/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/31/06	1
Chloroethane	110	1.0	ug/l	8260B	10/31/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/31/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/31/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/31/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/31/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/31/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/31/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/31/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/31/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/31/06	1
1,4-Dichlorobenzene	4.2	1.0	ug/l	8260B	10/31/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,1-Dichloroethane	20.	1.0	ug/l	8260B	10/31/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/31/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/31/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/31/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/31/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-04

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-12

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 10:56

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/31/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/31/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/31/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/31/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/31/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/31/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
Hexachlorobutadiene	BDL	2.0	ug/l	8260B	10/31/06	1
Isopropylbenzene	1.2	1.0	ug/l	8260B	10/31/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/31/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/31/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/31/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/31/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/31/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/31/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
Styrene	BDL	1.0	ug/l	8260B	10/31/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/31/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/31/06	1
Toluene	BDL	5.0	ug/l	8260B	10/31/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/31/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/31/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/31/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/31/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/31/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/31/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/31/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/31/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/31/06	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	10/31/06	1
Dibromofluoromethane	104.		% Rec.	8260B	10/31/06	1
4-Bromofluorobenzene	102.		% Rec.	8260B	10/31/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-05

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-13

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 09:13

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	280	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	9.5	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-05

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : MW-13

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 09:13

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	94.8		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	102.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	94.0		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-06

Site ID :

Project # : 02296

Date Received : October 21, 2006
Description : Lee County Landfill

Sample ID : MW-14

Collected By : Nick Perry
Collection Date : 10/20/06 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	220	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	22.	10.	ug/l	6010B	10/29/06	1
Lead	98.	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-06

Site ID :

Project # : 02296

Date Received : October 21, 2006
Description : Lee County Landfill

Sample ID : MW-14

Collected By : Nick Perry
Collection Date : 10/20/06 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	92.7		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	105.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	90.8		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 10/31/06 16:13 Printed: 10/31/06 19:36

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

Date Received : October 21, 2006
Description : Lee County Landfill

Sample ID : SW-2

Collected By : Nick Perry
Collection Date : 10/20/06 12:05

ESC Sample # : L266042-07

Site ID :

Project # : 02296

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.20	ug/l	7470A	10/26/06	1
Arsenic	BDL	20.	ug/l	6010B	10/29/06	1
Barium	84.	5.0	ug/l	6010B	10/29/06	1
Cadmium	BDL	5.0	ug/l	6010B	10/29/06	1
Chromium	BDL	10.	ug/l	6010B	10/29/06	1
Lead	BDL	5.0	ug/l	6010B	10/29/06	1
Selenium	BDL	20.	ug/l	6010B	10/29/06	1
Silver	BDL	10.	ug/l	6010B	10/29/06	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-07

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : SW-2

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 12:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	95.1		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	106.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	91.0		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-08

Date Received : October 21, 2006
Description : Lee County Landfill

Site ID :

Sample ID : TRIP BLANK

Project # : 02296

Collected By : Nick Perry
Collection Date : 10/20/06 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	10/26/06	1
Acrolein	BDL	50.	ug/l	8260B	10/26/06	1
Acrylonitrile	BDL	10.	ug/l	8260B	10/26/06	1
Benzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
Bromoform	BDL	1.0	ug/l	8260B	10/26/06	1
Bromomethane	BDL	5.0	ug/l	8260B	10/26/06	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
Chloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	10/26/06	1
Chloroform	BDL	5.0	ug/l	8260B	10/26/06	1
Chloromethane	BDL	1.0	ug/l	8260B	10/26/06	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	10/26/06	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	10/26/06	1
Dibromomethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Dichlorodifluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	10/26/06	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Hexachlorobutadiene	BDL	1.0	ug/l	8260B	10/26/06	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Jonathan Grubbs
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

October 31,2006

ESC Sample # : L266042-08

Site ID :

Project # : 02296

Date Received : October 21, 2006
Description : Lee County Landfill

Sample ID : TRIP BLANK

Collected By : Nick Perry
Collection Date : 10/20/06 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	10/26/06	1
Methylene Chloride	BDL	5.0	ug/l	8260B	10/26/06	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	10/26/06	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	10/26/06	1
Naphthalene	BDL	5.0	ug/l	8260B	10/26/06	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Styrene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Toluene	BDL	5.0	ug/l	8260B	10/26/06	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	10/26/06	1
Trichloroethene	BDL	1.0	ug/l	8260B	10/26/06	1
Trichlorofluoromethane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	10/26/06	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	10/26/06	1
Vinyl chloride	BDL	1.0	ug/l	8260B	10/26/06	1
Xylenes, Total	BDL	3.0	ug/l	8260B	10/26/06	1
Surrogate Recovery						
Toluene-d8	94.8		% Rec.	8260B	10/26/06	1
Dibromofluoromethane	102.		% Rec.	8260B	10/26/06	1
4-Bromofluorobenzene	93.8		% Rec.	8260B	10/26/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L266042-04	Acrolein	J4
	trans-1,3-Dichloropropene	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/31/06 at 19:36:16

TSR Signing Reports: 350
R5 - Desired TAT

No emails per M. Brown. Send 2 MeOH vials for VPH & 8260 samples. Report all air samples in ppb by vol. Rep. acetone at 50ppb. Non-trust fund = $30 shipping. Paperless client.

Sample: L266042-01 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-02 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-03 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-04 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-05 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-06 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-07 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

Sample: L266042-08 Account: TURENV Received: 10/21/06 09:00 Due Date: 10/27/06 00:00 RPT Date: 10/31/06 16:13

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TerraQuest Environmental Consultants PC
Mr. Jonathan Grubbs
209 East Main Street

Carrboro, NC 27510

Quality Assurance Report
Level II

L266042

October 31, 2006

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Arsenic	< .02	mg/l	10/29/06 07:35	WG272149
Barium	< .005	mg/l	10/29/06 07:35	WG272149
Cadmium	< .005	mg/l	10/29/06 07:35	WG272149
Chromium	< .01	mg/l	10/29/06 07:35	WG272149
Lead	< .005	mg/l	10/29/06 07:35	WG272149
Selenium	< .02	mg/l	10/29/06 07:35	WG272149
Silver	< .01	mg/l	10/29/06 07:35	WG272149
Mercury	< .0002	mg/l	10/26/06 03:43	WG272436
1,1,1,2-Tetrachloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,1,1-Trichloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,1,2,2-Tetrachloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,1,2-Trichloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,1-Dichloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,1-Dichloroethene	< .001	mg/l	10/26/06 10:12	WG272756
1,1-Dichloropropene	< .001	mg/l	10/26/06 10:12	WG272756
1,2,3-Trichlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,2,3-Trichloropropane	< .001	mg/l	10/26/06 10:12	WG272756
1,2,4-Trichlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,2,4-Trimethylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,2-Dibromo-3-Chloropropane	< .002	mg/l	10/26/06 10:12	WG272756
1,2-Dibromoethane	< .001	mg/l	10/26/06 10:12	WG272756
1,2-Dichlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,2-Dichloroethane	< .001	mg/l	10/26/06 10:12	WG272756
1,2-Dichloropropane	< .001	mg/l	10/26/06 10:12	WG272756
1,3,5-Trimethylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,3-Dichlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
1,3-Dichloropropane	< .001	mg/l	10/26/06 10:12	WG272756
1,4-Dichlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
2,2-Dichloropropane	< .001	mg/l	10/26/06 10:12	WG272756
2-Butanone (MEK)	< .01	mg/l	10/26/06 10:12	WG272756
2-Chloroethyl vinyl ether	< .001	mg/l	10/26/06 10:12	WG272756
2-Chlorotoluene	< .001	mg/l	10/26/06 10:12	WG272756
4-Chlorotoluene	< .001	mg/l	10/26/06 10:12	WG272756
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	10/26/06 10:12	WG272756
Acetone	< .05	mg/l	10/26/06 10:12	WG272756
Acrolein	< .05	mg/l	10/26/06 10:12	WG272756
Acrylonitrile	< .01	mg/l	10/26/06 10:12	WG272756
Benzene	< .001	mg/l	10/26/06 10:12	WG272756
Bromobenzene	< .001	mg/l	10/26/06 10:12	WG272756
Bromodichloromethane	< .001	mg/l	10/26/06 10:12	WG272756
Bromoform	< .001	mg/l	10/26/06 10:12	WG272756
Bromomethane	< .005	mg/l	10/26/06 10:12	WG272756
Carbon tetrachloride	< .001	mg/l	10/26/06 10:12	WG272756
Chlorobenzene	< .001	mg/l	10/26/06 10:12	WG272756
Chlorodibromomethane	< .001	mg/l	10/26/06 10:12	WG272756
Chloroethane	< .001	mg/l	10/26/06 10:12	WG272756
Chloroform	< .005	mg/l	10/26/06 10:12	WG272756
Chloromethane	< .001	mg/l	10/26/06 10:12	WG272756
cis-1,2-Dichloroethene	< .001	mg/l	10/26/06 10:12	WG272756
cis-1,3-Dichloropropene	< .001	mg/l	10/26/06 10:12	WG272756
Di-isopropyl ether	< .001	mg/l	10/26/06 10:12	WG272756
Dibromomethane	< .001	mg/l	10/26/06 10:12	WG272756
Dichlorodifluoromethane	< .001	mg/l	10/26/06 10:12	WG272756
Ethylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
Hexachlorobutadiene	< .001	mg/l	10/26/06 10:12	WG272756
Isopropylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
Methyl tert-butyl ether	< .001	mg/l	10/26/06 10:12	WG272756
Methylene Chloride	< .005	mg/l	10/26/06 10:12	WG272756

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Quality Assurance Report
Level II

L266042

October 31, 2006

n-Butylbenzene	< .001	mg/l	10/26/06 10:12	WG272756

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
n-Propylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
Naphthalene	< .005	mg/l	10/26/06 10:12	WG272756
p-Isopropyltoluene	< .001	mg/l	10/26/06 10:12	WG272756
sec-Butylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
Styrene	< .001	mg/l	10/26/06 10:12	WG272756
tert-Butylbenzene	< .001	mg/l	10/26/06 10:12	WG272756
Tetrachloroethene	< .001	mg/l	10/26/06 10:12	WG272756
Toluene	< .005	mg/l	10/26/06 10:12	WG272756
trans-1,2-Dichloroethene	< .001	mg/l	10/26/06 10:12	WG272756
trans-1,3-Dichloropropene	< .001	mg/l	10/26/06 10:12	WG272756
Trichloroethene	< .001	mg/l	10/26/06 10:12	WG272756
Trichlorofluoromethane	< .001	mg/l	10/26/06 10:12	WG272756
Vinyl chloride	< .001	mg/l	10/26/06 10:12	WG272756
Xylenes, Total	< .003	mg/l	10/26/06 10:12	WG272756
1,1,1,2-Tetrachloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,1,1-Trichloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,1,2,2-Tetrachloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,1,2-Trichloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,1-Dichloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,1-Dichloroethene	< .001	mg/l	10/31/06 12:23	WG273391
1,1-Dichloropropene	< .001	mg/l	10/31/06 12:23	WG273391
1,2,3-Trichlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,2,3-Trichloropropane	< .001	mg/l	10/31/06 12:23	WG273391
1,2,4-Trichlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,2,4-Trimethylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,2-Dibromo-3-Chloropropane	< .002	mg/l	10/31/06 12:23	WG273391
1,2-Dibromoethane	< .001	mg/l	10/31/06 12:23	WG273391
1,2-Dichlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,2-Dichloroethane	< .001	mg/l	10/31/06 12:23	WG273391
1,2-Dichloropropane	< .001	mg/l	10/31/06 12:23	WG273391
1,3,5-Trimethylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,3-Dichlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
1,3-Dichloropropane	< .001	mg/l	10/31/06 12:23	WG273391
1,4-Dichlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
2,2-Dichloropropane	< .001	mg/l	10/31/06 12:23	WG273391
2-Butanone (MEK)	< .01	mg/l	10/31/06 12:23	WG273391
2-Chloroethyl vinyl ether	< .001	mg/l	10/31/06 12:23	WG273391
2-Chlorotoluene	< .001	mg/l	10/31/06 12:23	WG273391
4-Chlorotoluene	< .001	mg/l	10/31/06 12:23	WG273391
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	10/31/06 12:23	WG273391
Acetone	< .05	mg/l	10/31/06 12:23	WG273391
Acrolein	< .05	mg/l	10/31/06 12:23	WG273391
Acrylonitrile	< .01	mg/l	10/31/06 12:23	WG273391
Benzene	< .001	mg/l	10/31/06 12:23	WG273391
Bromobenzene	< .001	mg/l	10/31/06 12:23	WG273391
Bromodichloromethane	< .001	mg/l	10/31/06 12:23	WG273391
Bromoform	< .001	mg/l	10/31/06 12:23	WG273391
Bromomethane	< .005	mg/l	10/31/06 12:23	WG273391
Carbon tetrachloride	< .001	mg/l	10/31/06 12:23	WG273391
Chlorobenzene	< .001	mg/l	10/31/06 12:23	WG273391
Chlorodibromomethane	< .001	mg/l	10/31/06 12:23	WG273391
Chloroethane	< .001	mg/l	10/31/06 12:23	WG273391
Chloroform	< .005	mg/l	10/31/06 12:23	WG273391
Chloromethane	< .001	mg/l	10/31/06 12:23	WG273391
cis-1,2-Dichloroethene	< .001	mg/l	10/31/06 12:23	WG273391
cis-1,3-Dichloropropene	< .001	mg/l	10/31/06 12:23	WG273391
Di-isopropyl ether	< .001	mg/l	10/31/06 12:23	WG273391
Dibromomethane	< .001	mg/l	10/31/06 12:23	WG273391

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October 31, 2006

Dichlorodifluoromethane	< .001	mg/l	10/31/06 12:23	WG273391

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Ethylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
Hexachlorobutadiene	< .002	mg/l	10/31/06 12:23	WG273391
Isopropylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
Methyl tert-butyl ether	< .001	mg/l	10/31/06 12:23	WG273391
Methylene Chloride	< .005	mg/l	10/31/06 12:23	WG273391
n-Butylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
n-Propylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
Naphthalene	< .005	mg/l	10/31/06 12:23	WG273391
p-Isopropyltoluene	< .001	mg/l	10/31/06 12:23	WG273391
sec-Butylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
Styrene	< .001	mg/l	10/31/06 12:23	WG273391
tert-Butylbenzene	< .001	mg/l	10/31/06 12:23	WG273391
Tetrachloroethene	< .001	mg/l	10/31/06 12:23	WG273391
Toluene	< .005	mg/l	10/31/06 12:23	WG273391
trans-1,2-Dichloroethene	< .001	mg/l	10/31/06 12:23	WG273391
trans-1,3-Dichloropropene	< .001	mg/l	10/31/06 12:23	WG273391
Trichloroethene	< .001	mg/l	10/31/06 12:23	WG273391
Trichlorofluoromethane	< .001	mg/l	10/31/06 12:23	WG273391
Vinyl chloride	< .001	mg/l	10/31/06 12:23	WG273391
Xylenes, Total	< .003	mg/l	10/31/06 12:23	WG273391

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Arsenic	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Barium	mg/l	0.0789	0.0840	6.26	20	L266042-07	WG272149
Cadmium	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Chromium	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Lead	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Selenium	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Silver	mg/l	0.00	0.00	0.00	20	L266042-07	WG272149
Mercury	mg/l	0.00	0.00	0.00	20	L265858-02	WG272436

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Arsenic	mg/l	1	0.917	91.7	85-115	WG272149
Barium	mg/l	1	0.976	97.6	85-115	WG272149
Cadmium	mg/l	1	1.01	101.	85-115	WG272149
Chromium	mg/l	1	0.944	94.4	85-115	WG272149
Lead	mg/l	1	0.993	99.3	85-115	WG272149
Selenium	mg/l	1	1.02	102.	85-115	WG272149
Silver	mg/l	1	0.959	95.9	85-115	WG272149
Mercury	mg/l	.003	0.00280	93.3	85-115	WG272436
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0550	110.	61-134	WG272756
1,1,1-Trichloroethane	mg/l	.05	0.0451	90.1	62-133	WG272756
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0463	92.6	66-124	WG272756
1,1,2-Trichloroethane	mg/l	.05	0.0451	90.1	62-124	WG272756
1,1-Dichloroethane	mg/l	.05	0.0433	86.6	59-135	WG272756
1,1-Dichloroethene	mg/l	.05	0.0480	95.9	68-136	WG272756
1,1-Dichloropropene	mg/l	.05	0.0436	87.1	63-125	WG272756
1,2,3-Trichlorobenzene	mg/l	.05	0.0484	96.8	57-152	WG272756
1,2,3-Trichloropropane	mg/l	.05	0.0486	97.1	62-138	WG272756
1,2,4-Trichlorobenzene	mg/l	.05	0.0510	102.	49-153	WG272756
1,2,4-Trimethylbenzene	mg/l	.05	0.0530	106.	61-128	WG272756
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0443	88.6	50-139	WG272756

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1,2-Dibromoethane	mg/l	.05	0.0486	97.1	70-122	WG272756

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,2-Dichlorobenzene	mg/l	.05	0.0430	86.1	54-135	WG272756
1,2-Dichloroethane	mg/l	.05	0.0416	83.2	61-131	WG272756
1,2-Dichloropropane	mg/l	.05	0.0436	87.2	64-126	WG272756
1,3,5-Trimethylbenzene	mg/l	.05	0.0529	106.	65-126	WG272756
1,3-Dichlorobenzene	mg/l	.05	0.0545	109.	45-143	WG272756
1,3-Dichloropropane	mg/l	.05	0.0446	89.2	74-118	WG272756
1,4-Dichlorobenzene	mg/l	.05	0.0418	83.6	48-138	WG272756
2,2-Dichloropropane	mg/l	.05	0.0482	96.4	52-140	WG272756
2-Butanone (MEK)	mg/l	.25	0.187	74.8	50-132	WG272756
2-Chloroethyl vinyl ether	mg/l	.25	0.245	98.0	36-136	WG272756
2-Chlorotoluene	mg/l	.05	0.0490	97.9	61-134	WG272756
4-Chlorotoluene	mg/l	.05	0.0496	99.2	67-129	WG272756
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.207	82.9	47-143	WG272756
Acetone	mg/l	.25	0.180	71.9	36-163	WG272756
Acrolein	mg/l	.25	0.138	55.3	27-122	WG272756
Acrylonitrile	mg/l	.25	0.167	66.9	44-130	WG272756
Benzene	mg/l	.05	0.0412	82.4	63-121	WG272756
Bromobenzene	mg/l	.05	0.0478	95.7	70-130	WG272756
Bromodichloromethane	mg/l	.05	0.0455	91.0	64-127	WG272756
Bromoform	mg/l	.05	0.0498	99.6	60-139	WG272756
Bromomethane	mg/l	.05	0.0489	97.7	30-125	WG272756
Carbon tetrachloride	mg/l	.05	0.0497	99.3	70-140	WG272756
Chlorobenzene	mg/l	.05	0.0506	101.	70-126	WG272756
Chlorodibromomethane	mg/l	.05	0.0532	106.	62-132	WG272756
Chloroethane	mg/l	.05	0.0380	75.9	43-146	WG272756
Chloroform	mg/l	.05	0.0425	85.0	65-121	WG272756
Chloromethane	mg/l	.05	0.0428	85.6	45-131	WG272756
cis-1,2-Dichloroethene	mg/l	.05	0.0431	86.2	68-123	WG272756
cis-1,3-Dichloropropene	mg/l	.05	0.0439	87.8	66-121	WG272756
Di-isopropyl ether	mg/l	.05	0.0415	83.0	58-127	WG272756
Dibromomethane	mg/l	.05	0.0429	85.8	69-119	WG272756
Dichlorodifluoromethane	mg/l	.05	0.0318	63.7	24-155	WG272756
Ethylbenzene	mg/l	.05	0.0537	107.	70-121	WG272756
Hexachlorobutadiene	mg/l	.05	0.0471	94.1	60-119	WG272756
Isopropylbenzene	mg/l	.05	0.0548	110.	68-128	WG272756
Methyl tert-butyl ether	mg/l	.05	0.0381	76.1	51-137	WG272756
Methylene Chloride	mg/l	.05	0.0437	87.5	53-131	WG272756
n-Butylbenzene	mg/l	.05	0.0440	88.1	59-134	WG272756
n-Propylbenzene	mg/l	.05	0.0496	99.1	68-123	WG272756
Naphthalene	mg/l	.05	0.0507	101.	54-150	WG272756
p-Isopropyltoluene	mg/l	.05	0.0570	114.	64-132	WG272756
sec-Butylbenzene	mg/l	.05	0.0546	109.	67-124	WG272756
Styrene	mg/l	.05	0.0531	106.	68-123	WG272756
tert-Butylbenzene	mg/l	.05	0.0565	113.	68-128	WG272756
Tetrachloroethene	mg/l	.05	0.0540	108.	64-134	WG272756
Toluene	mg/l	.05	0.0444	88.8	65-120	WG272756
trans-1,2-Dichloroethene	mg/l	.05	0.0432	86.3	59-138	WG272756
trans-1,3-Dichloropropene	mg/l	.05	0.0467	93.4	55-113	WG272756
Trichloroethene	mg/l	.05	0.0453	90.5	74-120	WG272756
Trichlorofluoromethane	mg/l	.05	0.0430	86.0	49-121	WG272756
Vinyl chloride	mg/l	.05	0.0356	71.1	46-133	WG272756
Xylenes, Total	mg/l	.15	0.158	105.	68-124	WG272756
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0543	109.	61-134	WG273391
1,1,1-Trichloroethane	mg/l	.05	0.0564	113.	62-133	WG273391
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0532	106.	66-124	WG273391
1,1,2-Trichloroethane	mg/l	.05	0.0492	98.4	62-124	WG273391
1,1-Dichloroethane	mg/l	.05	0.0558	112.	59-135	WG273391
1,1-Dichloroethene	mg/l	.05	0.0608	122.	68-136	WG273391

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1,1-Dichloropropene	mg/l	.05	0.0558	112.	63-125	WG273391

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,2,3-Trichlorobenzene	mg/l	.05	0.0522	104.	57-152	WG273391
1,2,3-Trichloropropane	mg/l	.05	0.0510	102.	62-138	WG273391
1,2,4-Trichlorobenzene	mg/l	.05	0.0563	113.	49-153	WG273391
1,2,4-Trimethylbenzene	mg/l	.05	0.0475	94.9	61-128	WG273391
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0572	114.	50-139	WG273391
1,2-Dibromoethane	mg/l	.05	0.0525	105.	70-122	WG273391
1,2-Dichlorobenzene	mg/l	.05	0.0472	94.4	54-135	WG273391
1,2-Dichloroethane	mg/l	.05	0.0515	103.	61-131	WG273391
1,2-Dichloropropane	mg/l	.05	0.0563	113.	64-126	WG273391
1,3,5-Trimethylbenzene	mg/l	.05	0.0467	93.5	65-126	WG273391
1,3-Dichlorobenzene	mg/l	.05	0.0472	94.4	45-143	WG273391
1,3-Dichloropropane	mg/l	.05	0.0505	101.	74-118	WG273391
1,4-Dichlorobenzene	mg/l	.05	0.0426	85.1	48-138	WG273391
2,2-Dichloropropane	mg/l	.05	0.0614	123.	52-140	WG273391
2-Butanone (MEK)	mg/l	.25	0.280	112.	50-132	WG273391
2-Chloroethyl vinyl ether	mg/l	.25	0.304	121.	36-136	WG273391
2-Chlorotoluene	mg/l	.05	0.0454	90.9	61-134	WG273391
4-Chlorotoluene	mg/l	.05	0.0459	91.8	67-129	WG273391
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.296	118.	47-143	WG273391
Acetone	mg/l	.25	0.298	119.	36-163	WG273391
Acrolein	mg/l	.25	0.355	142.	27-122	WG273391
Acrylonitrile	mg/l	.25	0.267	107.	44-130	WG273391
Benzene	mg/l	.05	0.0513	103.	63-121	WG273391
Bromobenzene	mg/l	.05	0.0469	93.7	70-130	WG273391
Bromodichloromethane	mg/l	.05	0.0545	109.	64-127	WG273391
Bromoform	mg/l	.05	0.0591	118.	60-139	WG273391
Bromomethane	mg/l	.05	0.0549	110.	30-125	WG273391
Carbon tetrachloride	mg/l	.05	0.0639	128.	70-140	WG273391
Chlorobenzene	mg/l	.05	0.0490	98.0	70-126	WG273391
Chlorodibromomethane	mg/l	.05	0.0551	110.	62-132	WG273391
Chloroethane	mg/l	.05	0.0566	113.	43-146	WG273391
Chloroform	mg/l	.05	0.0507	101.	65-121	WG273391
Chloromethane	mg/l	.05	0.0608	122.	45-131	WG273391
cis-1,2-Dichloroethene	mg/l	.05	0.0543	109.	68-123	WG273391
cis-1,3-Dichloropropene	mg/l	.05	0.0553	111.	66-121	WG273391
Di-isopropyl ether	mg/l	.05	0.0540	108.	58-127	WG273391
Dibromomethane	mg/l	.05	0.0512	102.	69-119	WG273391
Dichlorodifluoromethane	mg/l	.05	0.0464	92.8	24-155	WG273391
Ethylbenzene	mg/l	.05	0.0510	102.	70-121	WG273391
Hexachlorobutadiene	mg/l	.05	0.0484	96.7	60-119	WG273391
Isopropylbenzene	mg/l	.05	0.0486	97.1	68-128	WG273391
Methyl tert-butyl ether	mg/l	.05	0.0549	110.	51-137	WG273391
Methylene Chloride	mg/l	.05	0.0535	107.	53-131	WG273391
n-Butylbenzene	mg/l	.05	0.0518	104.	59-134	WG273391
n-Propylbenzene	mg/l	.05	0.0462	92.3	68-123	WG273391
Naphthalene	mg/l	.05	0.0604	121.	54-150	WG273391
p-Isopropyltoluene	mg/l	.05	0.0500	99.9	64-132	WG273391
sec-Butylbenzene	mg/l	.05	0.0469	93.8	67-124	WG273391
Styrene	mg/l	.05	0.0480	95.9	68-123	WG273391
tert-Butylbenzene	mg/l	.05	0.0495	98.9	68-128	WG273391
Tetrachloroethene	mg/l	.05	0.0522	104.	64-134	WG273391
Toluene	mg/l	.05	0.0467	93.4	65-120	WG273391
trans-1,2-Dichloroethene	mg/l	.05	0.0569	114.	59-138	WG273391
trans-1,3-Dichloropropene	mg/l	.05	0.0579	116.	55-113	WG273391
Trichloroethene	mg/l	.05	0.0529	106.	74-120	WG273391
Trichlorofluoromethane	mg/l	.05	0.0521	104.	49-121	WG273391
Vinyl chloride	mg/l	.05	0.0507	101.	46-133	WG273391
Xylenes, Total	mg/l	.15	0.147	97.7	68-124	WG273391

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Quality Assurance Report
Level II

L266042

October 31, 2006

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0558	0.0550	1.50	17	112	WG272756
1,1,1-Trichloroethane	mg/l	0.0440	0.0451	2.43	17	88	WG272756
1,1,2,2-Tetrachloroethane	mg/l	0.0479	0.0463	3.29	16	96	WG272756
1,1,2-Trichloroethane	mg/l	0.0465	0.0451	3.16	16	93	WG272756
1,1-Dichloroethane	mg/l	0.0435	0.0433	0.466	22	87	WG272756
1,1-Dichloroethene	mg/l	0.0440	0.0480	8.68	17	88	WG272756
1,1-Dichloropropene	mg/l	0.0428	0.0436	1.87	17	86	WG272756
1,2,3-Trichlorobenzene	mg/l	0.0506	0.0484	4.39	19	101	WG272756
1,2,3-Trichloropropane	mg/l	0.0487	0.0486	0.296	18	97	WG272756
1,2,4-Trichlorobenzene	mg/l	0.0525	0.0510	2.98	20	105	WG272756
1,2,4-Trimethylbenzene	mg/l	0.0533	0.0530	0.667	18	107	WG272756
1,2-Dibromo-3-Chloropropane	mg/l	0.0477	0.0443	7.34	19	95	WG272756
1,2-Dibromoethane	mg/l	0.0494	0.0486	1.67	16	99	WG272756
1,2-Dichlorobenzene	mg/l	0.0437	0.0430	1.66	16	87	WG272756
1,2-Dichloroethane	mg/l	0.0422	0.0416	1.41	15	84	WG272756
1,2-Dichloropropane	mg/l	0.0448	0.0436	2.74	18	90	WG272756
1,3,5-Trimethylbenzene	mg/l	0.0533	0.0529	0.734	17	107	WG272756
1,3-Dichlorobenzene	mg/l	0.0546	0.0545	0.324	17	109	WG272756
1,3-Dichloropropane	mg/l	0.0460	0.0446	3.12	15	92	WG272756
1,4-Dichlorobenzene	mg/l	0.0428	0.0418	2.29	17	86	WG272756
2,2-Dichloropropane	mg/l	0.0468	0.0482	2.87	21	94	WG272756
2-Butanone (MEK)	mg/l	0.194	0.187	3.79	22	78	WG272756
2-Chloroethyl vinyl ether	mg/l	0.253	0.245	3.16	28	101	WG272756
2-Chlorotoluene	mg/l	0.0493	0.0490	0.669	26	99	WG272756
4-Chlorotoluene	mg/l	0.0505	0.0496	1.80	17	101	WG272756
4-Methyl-2-pentanone (MIBK)	mg/l	0.216	0.207	4.15	21	86	WG272756
Acetone	mg/l	0.184	0.180	2.18	20	73	WG272756
Acrolein	mg/l	0.143	0.138	3.12	13	57	WG272756
Acrylonitrile	mg/l	0.179	0.167	6.78	20	72	WG272756
Benzene	mg/l	0.0403	0.0412	2.12	16	81	WG272756
Bromobenzene	mg/l	0.0485	0.0478	1.42	16	97	WG272756
Bromodichloromethane	mg/l	0.0457	0.0455	0.320	17	91	WG272756
Bromoform	mg/l	0.0512	0.0498	2.77	15	102	WG272756
Bromomethane	mg/l	0.0462	0.0489	5.66	21	92	WG272756
Carbon tetrachloride	mg/l	0.0485	0.0497	2.43	17	97	WG272756
Chlorobenzene	mg/l	0.0512	0.0506	1.11	16	102	WG272756
Chlorodibromomethane	mg/l	0.0530	0.0532	0.313	15	106	WG272756
Chloroethane	mg/l	0.0372	0.0380	2.10	24	74	WG272756
Chloroform	mg/l	0.0429	0.0425	0.947	15	86	WG272756
Chloromethane	mg/l	0.0420	0.0428	1.86	22	84	WG272756
cis-1,2-Dichloroethene	mg/l	0.0426	0.0431	1.10	15	85	WG272756
cis-1,3-Dichloropropene	mg/l	0.0453	0.0439	3.09	18	91	WG272756
Di-isopropyl ether	mg/l	0.0410	0.0415	1.19	18	82	WG272756
Dibromomethane	mg/l	0.0442	0.0429	3.09	16	88	WG272756
Dichlorodifluoromethane	mg/l	0.0311	0.0318	2.38	22	62	WG272756
Ethylbenzene	mg/l	0.0536	0.0537	0.106	17	107	WG272756
Hexachlorobutadiene	mg/l	0.0473	0.0471	0.438	18	95	WG272756
Isopropylbenzene	mg/l	0.0548	0.0548	0.116	17	110	WG272756
Methyl tert-butyl ether	mg/l	0.0396	0.0381	4.07	18	79	WG272756
Methylene Chloride	mg/l	0.0421	0.0437	3.86	17	84	WG272756
n-Butylbenzene	mg/l	0.0443	0.0440	0.557	19	89	WG272756
n-Propylbenzene	mg/l	0.0500	0.0496	0.834	17	100	WG272756
Naphthalene	mg/l	0.0540	0.0507	6.40	17	108	WG272756
p-Isopropyltoluene	mg/l	0.0574	0.0570	0.651	18	115	WG272756
sec-Butylbenzene	mg/l	0.0545	0.0546	0.224	18	109	WG272756
Styrene	mg/l	0.0542	0.0531	2.19	17	108	WG272756
tert-Butylbenzene	mg/l	0.0566	0.0565	0.102	17	113	WG272756
Tetrachloroethene	mg/l	0.0532	0.0540	1.56	18	106	WG272756
Toluene	mg/l	0.0442	0.0444	0.462	18	88	WG272756
trans-1,2-Dichloroethene	mg/l	0.0456	0.0432	5.45	22	91	WG272756

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trans-1,3-Dichloropropene	mg/l	0.0475	0.0467	1.65	18	95	WG272756

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Trichloroethene	mg/l	0.0445	0.0453	1.76	16	89	WG272756
Trichlorofluoromethane	mg/l	0.0417	0.0430	3.01	19	83	WG272756
Vinyl chloride	mg/l	0.0336	0.0356	5.72	17	67	WG272756
Xylenes, Total	mg/l	0.159	0.158	0.913	17	106	WG272756
1,1,1,2-Tetrachloroethane	mg/l	0.0519	0.0543	4.51	17	104	WG273391
1,1,1-Trichloroethane	mg/l	0.0525	0.0564	7.17	17	105	WG273391
1,1,2,2-Tetrachloroethane	mg/l	0.0518	0.0532	2.69	16	104	WG273391
1,1,2-Trichloroethane	mg/l	0.0501	0.0492	1.77	16	100	WG273391
1,1-Dichloroethane	mg/l	0.0521	0.0558	6.94	22	104	WG273391
1,1-Dichloroethene	mg/l	0.0546	0.0608	10.8	17	109	WG273391
1,1-Dichloropropene	mg/l	0.0512	0.0558	8.45	17	102	WG273391
1,2,3-Trichlorobenzene	mg/l	0.0450	0.0522	14.8	19	90	WG273391
1,2,3-Trichloropropane	mg/l	0.0525	0.0510	2.77	18	105	WG273391
1,2,4-Trichlorobenzene	mg/l	0.0498	0.0563	12.2	20	100	WG273391
1,2,4-Trimethylbenzene	mg/l	0.0445	0.0475	6.51	18	89	WG273391
1,2-Dibromo-3-Chloropropane	mg/l	0.0582	0.0572	1.70	19	116	WG273391
1,2-Dibromoethane	mg/l	0.0533	0.0525	1.58	16	107	WG273391
1,2-Dichlorobenzene	mg/l	0.0443	0.0472	6.23	16	89	WG273391
1,2-Dichloroethane	mg/l	0.0502	0.0515	2.62	15	100	WG273391
1,2-Dichloropropane	mg/l	0.0519	0.0563	8.21	18	104	WG273391
1,3,5-Trimethylbenzene	mg/l	0.0436	0.0467	7.03	17	87	WG273391
1,3-Dichlorobenzene	mg/l	0.0450	0.0472	4.91	17	90	WG273391
1,3-Dichloropropane	mg/l	0.0501	0.0505	0.756	15	100	WG273391
1,4-Dichlorobenzene	mg/l	0.0401	0.0426	5.87	17	80	WG273391
2,2-Dichloropropane	mg/l	0.0562	0.0614	8.94	21	112	WG273391
2-Butanone (MEK)	mg/l	0.269	0.280	4.04	22	108	WG273391
2-Chloroethyl vinyl ether	mg/l	0.297	0.304	2.13	28	119	WG273391
2-Chlorotoluene	mg/l	0.0432	0.0454	5.10	26	86	WG273391
4-Chlorotoluene	mg/l	0.0434	0.0459	5.58	17	87	WG273391
4-Methyl-2-pentanone (MIBK)	mg/l	0.301	0.296	1.71	21	120	WG273391
Acetone	mg/l	0.276	0.298	7.54	20	111	WG273391
Acrolein	mg/l	0.348	0.355	2.20	13	139	WG273391
Acrylonitrile	mg/l	0.260	0.267	2.73	20	104	WG273391
Benzene	mg/l	0.0485	0.0513	5.62	16	97	WG273391
Bromobenzene	mg/l	0.0451	0.0469	3.86	16	90	WG273391
Bromodichloromethane	mg/l	0.0522	0.0545	4.29	17	104	WG273391
Bromoform	mg/l	0.0588	0.0591	0.440	15	118	WG273391
Bromomethane	mg/l	0.0500	0.0549	9.35	21	100	WG273391
Carbon tetrachloride	mg/l	0.0575	0.0639	10.4	17	115	WG273391
Chlorobenzene	mg/l	0.0474	0.0490	3.41	16	95	WG273391
Chlorodibromomethane	mg/l	0.0525	0.0551	4.84	15	105	WG273391
Chloroethane	mg/l	0.0510	0.0566	10.3	24	102	WG273391
Chloroform	mg/l	0.0479	0.0507	5.69	15	96	WG273391
Chloromethane	mg/l	0.0541	0.0608	11.7	22	108	WG273391
cis-1,2-Dichloroethene	mg/l	0.0517	0.0543	5.04	15	103	WG273391
cis-1,3-Dichloropropene	mg/l	0.0533	0.0553	3.72	18	107	WG273391
Di-isopropyl ether	mg/l	0.0521	0.0540	3.62	18	104	WG273391
Dibromomethane	mg/l	0.0502	0.0512	2.07	16	100	WG273391
Dichlorodifluoromethane	mg/l	0.0425	0.0464	8.86	22	85	WG273391
Ethylbenzene	mg/l	0.0482	0.0510	5.57	17	96	WG273391
Hexachlorobutadiene	mg/l	0.0424	0.0484	13.2	18	85	WG273391
Isopropylbenzene	mg/l	0.0458	0.0486	5.79	17	92	WG273391
Methyl tert-butyl ether	mg/l	0.0538	0.0549	1.86	18	108	WG273391
Methylene Chloride	mg/l	0.0511	0.0535	4.57	17	102	WG273391
n-Butylbenzene	mg/l	0.0463	0.0518	11.3	19	93	WG273391
n-Propylbenzene	mg/l	0.0431	0.0462	6.99	17	86	WG273391
Naphthalene	mg/l	0.0557	0.0604	8.09	17	111	WG273391
p-Isopropyltoluene	mg/l	0.0456	0.0500	9.03	18	91	WG273391

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sec-Butylbenzene	mg/l	0.0431	0.0469	8.58	18	86	WG273391

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Styrene	mg/l	0.0473	0.0480	1.44	17	95	WG273391
tert-Butylbenzene	mg/l	0.0452	0.0495	8.91	17	90	WG273391
Tetrachloroethene	mg/l	0.0479	0.0522	8.59	18	96	WG273391
Toluene	mg/l	0.0442	0.0467	5.37	18	88	WG273391
trans-1,2-Dichloroethene	mg/l	0.0523	0.0569	8.50	22	105	WG273391
trans-1,3-Dichloropropene	mg/l	0.0576	0.0579	0.565	18	115	WG273391
Trichloroethene	mg/l	0.0503	0.0529	4.95	16	101	WG273391
Trichlorofluoromethane	mg/l	0.0473	0.0521	9.83	19	95	WG273391
Vinyl chloride	mg/l	0.0446	0.0507	12.8	17	89	WG273391
Xylenes, Total	mg/l	0.141	0.147	4.15	17	94	WG273391

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Arsenic	mg/l	0.976	0.00	1	97.6	75-125	L266042-07	WG272149
Barium	mg/l	1.05	0.0840	1	96.6	75-125	L266042-07	WG272149
Cadmium	mg/l	1.00	0.00	1	100.	75-125	L266042-07	WG272149
Chromium	mg/l	0.930	0.00	1	93.0	75-125	L266042-07	WG272149
Lead	mg/l	0.982	0.00	1	98.2	75-125	L266042-07	WG272149
Selenium	mg/l	1.00	0.00	1	100.	75-125	L266042-07	WG272149
Silver	mg/l	0.944	0.00	1	94.4	75-125	L266042-07	WG272149
Mercury	mg/l	0.0030	0.00	.003	101.	70-130	L265858-07	WG272436
1,1,1,2-Tetrachloroethane	mg/l	0.648	0.00	.05	130.	57-133	L265817-04	WG272756
1,1,1-Trichloroethane	mg/l	0.524	0.00	.05	105.	54-143	L265817-04	WG272756
1,1,2,2-Tetrachloroethane	mg/l	0.544	0.00	.05	109.	58-134	L265817-04	WG272756
1,1,2-Trichloroethane	mg/l	0.523	0.00	.05	105.	58-125	L265817-04	WG272756
1,1-Dichloroethane	mg/l	0.509	0.00	.05	102.	53-136	L265817-04	WG272756
1,1-Dichloroethene	mg/l	0.545	0.00	.05	109.	58-145	L265817-04	WG272756
1,1-Dichloropropene	mg/l	0.489	0.00	.05	97.7	58-126	L265817-04	WG272756
1,2,3-Trichlorobenzene	mg/l	0.548	0.00	.05	110.	48-127	L265817-04	WG272756
1,2,3-Trichloropropane	mg/l	0.570	0.00	.05	114.	57-145	L265817-04	WG272756
1,2,4-Trichlorobenzene	mg/l	0.590	0.00	.05	118.	41-127	L265817-04	WG272756
1,2,4-Trimethylbenzene	mg/l	0.799	0.180	.05	124.	52-125	L265817-04	WG272756
1,2-Dibromo-3-Chloropropane	mg/l	0.535	0.00	.05	107.	44-138	L265817-04	WG272756
1,2-Dibromoethane	mg/l	0.562	0.00	.05	112.	64-126	L265817-04	WG272756
1,2-Dichlorobenzene	mg/l	0.485	0.00	.05	96.9	50-127	L265817-04	WG272756
1,2-Dichloroethane	mg/l	0.467	0.00	.05	93.4	54-145	L265817-04	WG272756
1,2-Dichloropropane	mg/l	0.483	0.00	.05	96.6	55-135	L265817-04	WG272756
1,3,5-Trimethylbenzene	mg/l	0.676	0.0560	.05	124.	54-125	L265817-04	WG272756
1,3-Dichlorobenzene	mg/l	0.641	0.00	.05	128.	47-128	L265817-04	WG272756
1,3-Dichloropropane	mg/l	0.506	0.00	.05	101.	64-125	L265817-04	WG272756
1,4-Dichlorobenzene	mg/l	0.468	0.00	.05	93.6	47-123	L265817-04	WG272756
2,2-Dichloropropane	mg/l	0.499	0.00	.05	99.7	44-143	L265817-04	WG272756
2-Butanone (MEK)	mg/l	2.09	0.0709	.25	80.7	47-133	L265817-04	WG272756
2-Chloroethyl vinyl ether	mg/l	2.52	0.00	.25	101.	28-148	L265817-04	WG272756
2-Chlorotoluene	mg/l	0.583	0.00	.05	117.	51-135	L265817-04	WG272756
4-Chlorotoluene	mg/l	0.592	0.00	.05	118.	57-123	L265817-04	WG272756
4-Methyl-2-pentanone (MIBK)	mg/l	2.20	0.00	.25	88.0	45-144	L265817-04	WG272756
Acetone	mg/l	2.20	0.248	.25	78.0	25-158	L265817-04	WG272756
Acrolein	mg/l	0.197	0.00	.25	7.8	25-128	L265817-04	WG272756
Acrylonitrile	mg/l	1.71	0.00	.25	68.3	39-136	L265817-04	WG272756
Benzene	mg/l	0.531	0.0580	.05	94.5	51-134	L265817-04	WG272756
Bromobenzene	mg/l	0.479	0.00	.05	95.8	60-131	L265817-04	WG272756
Bromodichloromethane	mg/l	0.511	0.00	.05	102.	54-139	L265817-04	WG272756
Bromoform	mg/l	0.530	0.00	.05	106.	52-144	L265817-04	WG272756
Bromomethane	mg/l	0.495	0.00	.05	98.9	23-131	L265817-04	WG272756
Carbon tetrachloride	mg/l	0.557	0.00	.05	111.	51-147	L265817-04	WG272756

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Est. 1970

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209 East Main Street

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Quality Assurance Report
Level II

L266042

October 31, 2006

Chlorobenzene	mg/l	0.570	0.00	.05	114.	59-125	L265817-04	WG272756

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chlorodibromomethane	mg/l	0.590	0.00	.05	118.	57-133	L265817-04	WG272756
Chloroethane	mg/l	0.411	0.00	.05	82.2	38-153	L265817-04	WG272756
Chloroform	mg/l	0.512	0.00	.05	102.	55-133	L265817-04	WG272756
Chloromethane	mg/l	0.383	0.00	.05	76.6	39-135	L265817-04	WG272756
cis-1,2-Dichloroethene	mg/l	0.524	0.00	.05	105.	64-126	L265817-04	WG272756
cis-1,3-Dichloropropene	mg/l	0.489	0.00	.05	97.8	54-122	L265817-04	WG272756
Di-isopropyl ether	mg/l	0.429	0.00	.05	85.9	53-132	L265817-04	WG272756
Dibromomethane	mg/l	0.504	0.00	.05	101.	61-132	L265817-04	WG272756
Dichlorodifluoromethane	mg/l	0.262	0.00	.05	52.4	26-153	L265817-04	WG272756
Ethylbenzene	mg/l	0.359	0.0036	.05	71.2	55-125	L265817-04	WG272756
Hexachlorobutadiene	mg/l	0.493	0.00	.05	98.5	51-109	L265817-04	WG272756
Isopropylbenzene	mg/l	0.941	0.440	.05	100.	59-127	L265817-04	WG272756
Methyl tert-butyl ether	mg/l	0.407	0.00	.05	81.4	50-137	L265817-04	WG272756
Methylene Chloride	mg/l	0.516	0.00	.05	103.	44-143	L265817-04	WG272756
n-Butylbenzene	mg/l	0.240	0.00	.05	48.0	47-124	L265817-04	WG272756
n-Propylbenzene	mg/l	0.232	0.0220	.05	42.0	53-124	L265817-04	WG272756
Naphthalene	mg/l	0.595	0.0190	.05	115.	45-141	L265817-04	WG272756
p-Isopropyltoluene	mg/l	0.799	0.140	.05	132.	52-126	L265817-04	WG272756
sec-Butylbenzene	mg/l	0.671	0.0460	.05	125.	54-127	L265817-04	WG272756
Styrene	mg/l	0.563	0.00	.05	113.	55-121	L265817-04	WG272756
tert-Butylbenzene	mg/l	0.671	0.0110	.05	132.	57-128	L265817-04	WG272756
Tetrachloroethene	mg/l	0.590	0.00	.05	118.	53-128	L265817-04	WG272756
Toluene	mg/l	0.497	0.00	.05	99.4	57-126	L265817-04	WG272756
trans-1,2-Dichloroethene	mg/l	0.514	0.00	.05	103.	52-139	L265817-04	WG272756
trans-1,3-Dichloropropene	mg/l	0.497	0.00	.05	99.4	48-113	L265817-04	WG272756
Trichloroethene	mg/l	0.516	0.00	.05	103.	57-135	L265817-04	WG272756
Trichlorofluoromethane	mg/l	0.456	0.00	.05	91.2	42-134	L265817-04	WG272756
Vinyl chloride	mg/l	0.345	0.00	.05	68.9	44-132	L265817-04	WG272756
Xylenes, Total	mg/l	2.04	0.192	.15	123.	54-129	L265817-04	WG272756

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Arsenic	mg/l	1.03	0.976	5.38	20	103.	L266042-07	WG272149
Barium	mg/l	1.11	1.05	5.56	20	103.	L266042-07	WG272149
Cadmium	mg/l	1.06	1.00	5.83	20	106.	L266042-07	WG272149
Chromium	mg/l	0.981	0.930	5.34	20	98.1	L266042-07	WG272149
Lead	mg/l	1.04	0.982	5.74	20	104.	L266042-07	WG272149
Selenium	mg/l	1.07	1.00	6.76	20	107.	L266042-07	WG272149
Silver	mg/l	1.00	0.944	5.76	20	100.	L266042-07	WG272149
Mercury	mg/l	0.0030	0.0030	0.660	20	101.	L265858-07	WG272436
1,1,1,2-Tetrachloroethane	mg/l	0.545	0.648	17.2	21	109.	L265817-04	WG272756
1,1,1-Trichloroethane	mg/l	0.437	0.524	18.2	22	87.4	L265817-04	WG272756
1,1,2,2-Tetrachloroethane	mg/l	0.454	0.544	18.0	27	90.9	L265817-04	WG272756
1,1,2-Trichloroethane	mg/l	0.456	0.523	13.8	19	91.1	L265817-04	WG272756
1,1-Dichloroethane	mg/l	0.421	0.509	19.0	22	84.1	L265817-04	WG272756
1,1-Dichloroethene	mg/l	0.430	0.545	23.6	22	86.0	L265817-04	WG272756
1,1-Dichloropropene	mg/l	0.403	0.489	19.3	20	80.5	L265817-04	WG272756
1,2,3-Trichlorobenzene	mg/l	0.501	0.548	8.84	26	100.	L265817-04	WG272756
1,2,3-Trichloropropane	mg/l	0.475	0.570	18.1	24	95.1	L265817-04	WG272756
1,2,4-Trichlorobenzene	mg/l	0.534	0.590	10.0	26	107.	L265817-04	WG272756
1,2,4-Trimethylbenzene	mg/l	0.698	0.799	13.4	26	104.	L265817-04	WG272756
1,2-Dibromo-3-Chloropropane	mg/l	0.482	0.535	10.5	27	96.3	L265817-04	WG272756
1,2-Dibromoethane	mg/l	0.483	0.562	15.2	19	96.5	L265817-04	WG272756
1,2-Dichlorobenzene	mg/l	0.431	0.485	11.7	19	86.2	L265817-04	WG272756
1,2-Dichloroethane	mg/l	0.399	0.467	15.6	21	79.8	L265817-04	WG272756
1,2-Dichloropropane	mg/l	0.401	0.483	18.6	20	80.2	L265817-04	WG272756

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1,3,5-Trimethylbenzene	mg/l	0.575	0.676	16.1	27	104.	L265817-04	WG272756

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,3-Dichlorobenzene	mg/l	0.544	0.641	16.4	25	109.	L265817-04	WG272756
1,3-Dichloropropane	mg/l	0.439	0.506	14.3	19	87.7	L265817-04	WG272756
1,4-Dichlorobenzene	mg/l	0.407	0.468	13.8	18	81.5	L265817-04	WG272756
2,2-Dichloropropane	mg/l	0.419	0.499	17.4	19	83.7	L265817-04	WG272756
2-Butanone (MEK)	mg/l	1.82	2.09	13.6	22	70.1	L265817-04	WG272756
2-Chloroethyl vinyl ether	mg/l	2.16	2.52	15.4	18	86.6	L265817-04	WG272756
2-Chlorotoluene	mg/l	0.488	0.583	17.8	28	97.6	L265817-04	WG272756
4-Chlorotoluene	mg/l	0.507	0.592	15.5	25	101.	L265817-04	WG272756
4-Methyl-2-pentanone (MIBK)	mg/l	1.92	2.20	13.5	25	76.9	L265817-04	WG272756
Acetone	mg/l	1.90	2.20	14.4	33	66.2	L265817-04	WG272756
Acrolein	mg/l	0.184	0.197	6.96	15	7.36	L265817-04	WG272756
Acrylonitrile	mg/l	1.58	1.71	7.89	25	63.1	L265817-04	WG272756
Benzene	mg/l	0.443	0.531	18.0	18	77.0	L265817-04	WG272756
Bromobenzene	mg/l	0.398	0.479	18.4	22	79.7	L265817-04	WG272756
Bromodichloromethane	mg/l	0.433	0.511	16.4	19	86.6	L265817-04	WG272756
Bromoform	mg/l	0.473	0.530	11.4	21	94.5	L265817-04	WG272756
Bromomethane	mg/l	0.446	0.495	10.5	24	89.1	L265817-04	WG272756
Carbon tetrachloride	mg/l	0.467	0.557	17.6	23	93.4	L265817-04	WG272756
Chlorobenzene	mg/l	0.479	0.570	17.3	22	95.8	L265817-04	WG272756
Chlorodibromomethane	mg/l	0.515	0.590	13.5	19	103.	L265817-04	WG272756
Chloroethane	mg/l	0.335	0.411	20.4	25	67.0	L265817-04	WG272756
Chloroform	mg/l	0.420	0.512	19.8	20	84.0	L265817-04	WG272756
Chloromethane	mg/l	0.345	0.383	10.4	23	69.1	L265817-04	WG272756
cis-1,2-Dichloroethene	mg/l	0.424	0.524	21.3	18	84.7	L265817-04	WG272756
cis-1,3-Dichloropropene	mg/l	0.414	0.489	16.6	22	82.8	L265817-04	WG272756
Di-isopropyl ether	mg/l	0.379	0.429	12.5	20	75.8	L265817-04	WG272756
Dibromomethane	mg/l	0.409	0.504	20.7	19	81.8	L265817-04	WG272756
Dichlorodifluoromethane	mg/l	0.228	0.262	13.9	25	45.6	L265817-04	WG272756
Ethylbenzene	mg/l	0.266	0.359	29.7	20	52.6	L265817-04	WG272756
Hexachlorobutadiene	mg/l	0.446	0.493	10.0	22	89.1	L265817-04	WG272756
Isopropylbenzene	mg/l	0.814	0.941	14.5	26	74.8	L265817-04	WG272756
Methyl tert-butyl ether	mg/l	0.377	0.407	7.54	21	75.5	L265817-04	WG272756
Methylene Chloride	mg/l	0.409	0.516	23.1	22	81.9	L265817-04	WG272756
n-Butylbenzene	mg/l	0.175	0.240	31.5	20	34.9	L265817-04	WG272756
n-Propylbenzene	mg/l	0.162	0.232	35.7	26	28.0	L265817-04	WG272756
Naphthalene	mg/l	0.555	0.595	7.01	25	107.	L265817-04	WG272756
p-Isopropyltoluene	mg/l	0.689	0.799	14.8	20	110.	L265817-04	WG272756
sec-Butylbenzene	mg/l	0.567	0.671	16.8	20	104.	L265817-04	WG272756
Styrene	mg/l	0.451	0.563	22.0	27	90.2	L265817-04	WG272756
tert-Butylbenzene	mg/l	0.572	0.671	15.9	26	112.	L265817-04	WG272756
Tetrachloroethene	mg/l	0.503	0.590	15.8	24	101.	L265817-04	WG272756
Toluene	mg/l	0.409	0.497	19.4	26	81.8	L265817-04	WG272756
trans-1,2-Dichloroethene	mg/l	0.465	0.514	9.92	24	93.0	L265817-04	WG272756
trans-1,3-Dichloropropene	mg/l	0.413	0.497	18.6	22	82.5	L265817-04	WG272756
Trichloroethene	mg/l	0.431	0.516	17.9	23	86.2	L265817-04	WG272756
Trichlorofluoromethane	mg/l	0.382	0.456	17.7	21	76.4	L265817-04	WG272756
Vinyl chloride	mg/l	0.299	0.345	14.3	24	59.7	L265817-04	WG272756
Xylenes, Total	mg/l	1.74	2.04	15.9	24	103.	L265817-04	WG272756

Batch number /Run number / Sample number cross reference

WG272756: R294497: L266042-01 02 03 05 06 07 08
WG272436: R294615: L266042-01 02 03 04 05 06 07
WG272149: R294900: L266042-01 02 03 04 05 06 07
WG273391: R295137: L266042-04

* * Calculations are performed prior to rounding of reported values .

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Quality Assurance Report
Level II

L266042

October 31, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address:

TerraQuest Environmental Consultants PC

209 East Main Street
Carrboro, NC 27510

Alternate billing information:

Report to: Jonathan Grubbs

Email to:

Project Description: Lee Co. Landfill

City/Sate Collected: Sanford, NC

Phone: (919) 932-1590
FAX: (919) 932-1594

Client Project #: 02296

ESC Key:

Collected by: Nick Perry

Site/Facility ID#:

P.O.#: 02296102206

Collected by (signature): Nick Perry

Packed on Ice N

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:
Email? X No __ Yes
FAX? X No __ Yes

Chain of Custody Page 1 of 1

Prepared by:

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Analysis/Container/Preservative: 8 RCRA Metals / 500cc plastic / Nitric Acid

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs		Remarks/Contaminant	Sample # (lab only)
MW5	Grab	GW		10/20/06	1150	3	X		
MW6					1000	3	X		
MW9					0940	3	X		
MW12					1056	3	X		
MW13					0913	3	X		
MW14					0855	3	X		
SW2					1205	3	X		
Trip Blank									

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier
Wesley [illegible]	10-22-06	1425	Brent [illegible]	USPS
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 8.0
Relinquished by: (Signature)	Date:	Time:	Received for laboratory by: [illegible]	Date: 10-24-06 Time: [illegible]