P0088

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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

TerraQuest Environmental Consultants, P.C.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ryan Kerins Phone: (919) 932-1590

E-mail: rdkerins@terraquestpc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lee County Landfill	331 Landfill Rd, Sanford, NC 27332	53-01	.1600	April 23, 2007

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ryan Kerins	Project Manager	(919) 932-1590
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: Date: 5/4/07

Affix NC Licensed/Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1691 GEOLOGIST JONATHAN REED GRUBBS

Revised 01/2007

P0048
RCO 2335

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

May 18, 2007

Received
MAY 2007
Waste Management

Ms. Jaclynne Drummond
Division of Waste Management - Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Semi-Annual Groundwater Monitoring Event (April 2007)
Lee County Landfill - Sanford, NC
NCDWM-Solid Waste Section Permit # 53-01
TerraQuest Project No. 02296

Dear Ms. Drummond:

On behalf of the Lee County Department of Public Works, TerraQuest Environmental Consultants, P.C. is reporting the results of a biannual ground and surface water sampling event that took place at the Lee County Landfill in Sanford, NC on April 23, 2007. The NC DENR-DWM, Solid Waste Section's October 27, 2006 and February 23, 2007 memos have been adhered to in the reporting of this data. In accordance with the new reporting format, a Solid Waste Section Environmental Monitoring Reporting Form is enclosed. The data from the event including analytical results, groundwater elevations, and field measured groundwater parameter data is summarized on the enclosed Table 1. The location of the site is shown on the enclosed Figure 1, and the layout of the site is depicted on Figure 2. Figures 3 and 4 present the recent potentiometric surface and the most previous potentiometric surface map, respectively. The full analytical report is also. The following summarizes the event:

On April 23, 2007, 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, 1,4-dichlorobenzene, 1,2-dichloroethane were detected at concentrations in excess of those set forth under Title 15A of the North Carolina Administrative Code Subchapter 2L .0202(g). 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. Monitoring well MW12 also had a reported cadmium concentration above the2L Standard for that compound. No other metal 2L Standard violations were reported.

209 E. Main Street • Carrboro, North Carolina 27510
Telephone (919) 932-1590 • Facsimile (919) 932-1594
www.terraquestpc.com

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 below its 2L Standard. Analytical results are summarized in Table 1.

Potentiometric surface maps (Figures 3 and 4) depicting an interpreted groundwater flow direction at the site as measured on April 23, 2007 and on October 20, 2006 are 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 1 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 1691 GEOLOGIST JONATHAN REED GRUBBS

Ryan D. Kerins
Project Manager

Jonathan R. Grubbs, P.G.
Vice President

Attachments: Solid Waste Section Environmental Monitoring Reporting Form
Table 1 – Groundwater Data 4/23/07
Figure 1 – Site Location Map
Figure 2 – Site Layout Map
Figure 3 – Potentiometric Surface Map (4/10/06)
Figure 4 – Potentiometric Surface Map (10/20/06)
Analytical Report
Technical Methods/Standard Procedures

Table 1
Date: 5/18/07

GROUNDWATER DATA 4/23/07
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE*	ANALYSIS DATE
53-01	MW4	SW328	328	Top Of Casing (ft mean sea level)	345.9	feet					
53-01	MW4	SW318	318	Depth To Water (ft)	9.92	feet			4/23/2007		
53-01	MW4			Groundwater Elevation (ft)	336.0				4/23/2007		
53-01	MW5	SW328	328	Top Of Casing (ft mean sea level)	351.1	feet					
53-01	MW5	SW318	318	Depth To Water (ft)	6.54	feet			4/23/2007		
53-01	MW5			Groundwater Elevation (ft)	344.6	feet			4/23/2007		
53-01	MW5	SW320	320	pH (field)	6.57				4/23/2007		
53-01	MW5	SW356	356	Dissolved Oxygen	0.75	mg/L			4/23/2007		
53-01	MW5	SW323	323	SpecCond (field)	144	uS/sec			4/23/2007		
53-01	MW5	SW325	325	Temp (oC)	16.4	oC			4/23/2007		
53-01	MW5	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW5	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW5	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW5	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW5	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW5	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7440-39-3	15	Barium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7440-47-3	51	Chromium	2.3	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7439-92-1	131	Lead	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW5	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	SW328	328	Top Of Casing (ft mean sea level)	402.1	feet					
53-01	MW6	SW318	318	Depth To Water (ft)	not collected	feet					
53-01	MW6			Groundwater Elevation (ft)	not collected						
53-01	MW6	SW320	320	pH (field)	5.05				4/23/2007		
53-01	MW6	SW356	356	Dissolved Oxygen	1.19	mg/L			4/23/2007		
53-01	MW6	SW323	323	SpecCond (field)	20	uS/sec			4/23/2007		
53-01	MW6	SW325	325	Temp (oC)	16.7	oC			4/23/2007		
53-01	MW6	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW6	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW6	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW6	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW6	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW6	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7440-39-3	15	Barium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7440-47-3	51	Chromium	2.3	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7439-92-1	131	Lead	2.4	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW6	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW7	SW328	328	Top Of Casing (ft mean sea level)	360.3	feet					
53-01	MW7	SW318	318	Depth To Water (ft)	8.60	feet			4/23/2007		
53-01	MW7			Groundwater Elevation (ft)	351.7	feet			4/23/2007		

Note:
1. * Technically, this sample set didn't have any extractions. The metals (except for mercury) were prepped and digested on 4/25/07 at 1044. Mercury was prepped and digested on 4/26/07 at 0007. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument.

Table 1 (continued)
Date: 5/18/07

GROUNDWATER DATA 4/23/07
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE*	ANALYSIS DATE
53-01	MW9	SW328	328	Top Of Casing (ft mean sea level)	384.2	feet					
53-01	MW9	SW318	318	Depth To Water (ft)	8.56	feet			4/23/2007		
53-01	MW9			Groundwater Elevation (ft)	375.6	feet			4/23/2007		
53-01	MW9	SW320	320	pH (field)	4.83				4/23/2007		
53-01	MW9	SW356	356	Dissolved Oxygen	1.45	mg/L			4/23/2007		
53-01	MW9	SW323	323	SpecCond (field)	34	uS/sec			4/23/2007		
53-01	MW9	SW325	325	Temp (oC)	15.5	oC			4/23/2007		
53-01	MW9	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW9	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW9	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW9	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW9	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW9	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7440-39-3	15	Barium	[illegible]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7440-47-3	51	Chromium	2.3	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7439-92-1	131	Lead	2.4	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW9	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW10	SW328	328	Top Of Casing (ft mean sea level)	377.0	feet					
53-01	MW10	SW318	318	Depth To Water (ft)	6.97	feet			4/23/2007		
53-01	MW10			Groundwater Elevation (ft)	370.0	feet			4/23/2007		
53-01	MW11	SW328	328	Top Of Casing (ft mean sea level)	399.6	feet					
53-01	MW11	SW318	318	Depth To Water (ft)	9.45	feet			4/23/2007		
53-01	MW11			Groundwater Elevation (ft)	390.2	feet			4/23/2007		
53-01	MW12	SW328	328	Top Of Casing (ft mean sea level)	337.4	feet					
53-01	MW12	SW318	318	Depth To Water (ft)	4.08	feet			4/23/2007		
53-01	MW12			Groundwater Elevation (ft)	333.3	feet			4/23/2007		
53-01	MW12	SW320	320	pH (field)	6.18				4/23/2007		
53-01	MW12	SW356	356	Dissolved Oxygen	0.97	mg/L			4/23/2007		
53-01	MW12	SW323	323	SpecCond (field)	1809	uS/sec			4/23/2007		
53-01	MW12	SW325	325	Temp (oC)	15.6	oC			4/23/2007		
53-01	MW12	71-43-2	16	Benzene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	108-88-3	196	Toluene	[illegible]	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	1330-20-7	346	Total Xylenes	[illegible]	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	108-90-7	39	Chlorobenzene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	75-00-3	41	Chloroethane	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12			2-Chlorotoluene	[illegible]	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	95-50-1	69	1,2-Dichlorobenzene	[illegible]	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	541-73-1	70	1,3-Diclorobenzene	[illegible]	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	106-46-7	71	1,4-Dichlorobenzene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	75-71-8	74	Dichlorodifluoromethane	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	75-34-3	75	1,1-Dichloroethane	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	107-06-2	76	1,2-Dichloroethane	0.63	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	98-82-8	367	Isopropylbenzene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	75-09-2	140	Methylene Chloride	0.41	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	1634-04-4	369	Methyl tert-butyl ether	0.37	ug/L	J	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	91-20-3	148	Naphthalene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	103-65-1	370	n-Propylbenzene	[illegible]	ug/L		1	4/23/2007	4/27/2007	4/27/2007
53-01	MW12	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW12	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7440-39-3	15	Barium	[illegible]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7440-43-9	34	Cadmium	[illegible]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7440-47-3	51	Chromium	2.3	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7439-92-1	131	Lead	[illegible]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW12	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007

Note:
1. * Technically, this sample set didn't have any extractions. The metals (except for mercury) were prepped and digested on 4/25/07 at 1044. Mercury was prepped and digested on 4/26/07 at 0007. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument.

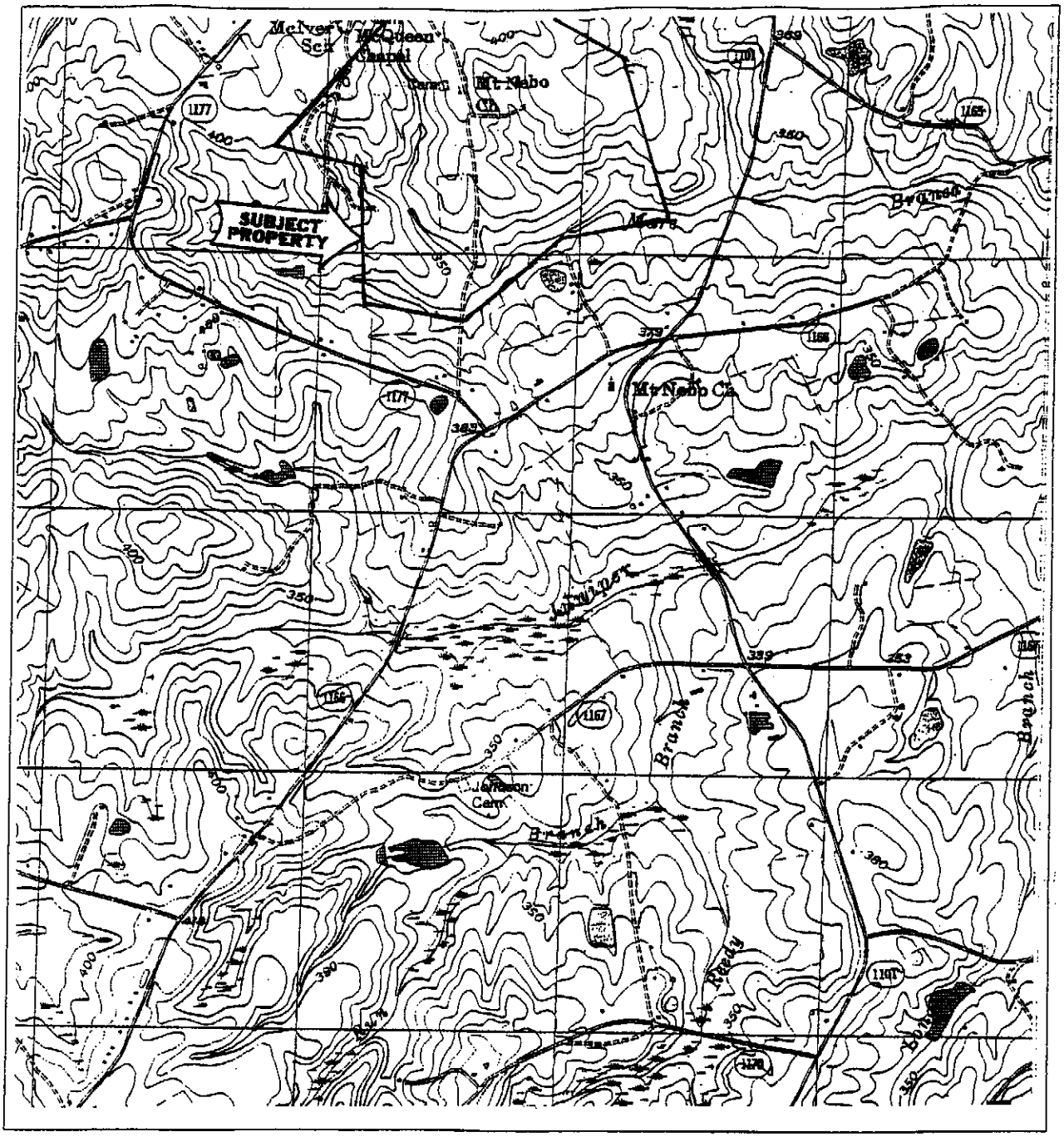
Table 1 (continued)
Date: 5/18/07

GROUNDWATER DATA 4/23/07
Facility Name: Lee County Landfill

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE*	ANALYSIS DATE
53-01	MW13	SW328	328	Top Of Casing (ft mean sea level)	363.93	feet					
53-01	MW13	SW318	318	Depth To Water (ft)	8.23	feet			4/23/2007		
53-01	MW13			Groundwater Elevation (ft)	355.7	feet			4/23/2007		
53-01	MW13	SW320	320	pH (field)	5.69				4/23/2007		
53-01	MW13	SW356	356	Dissolved Oxygen	1.36	mg/L			4/23/2007		
53-01	MW13	SW323	323	SpecCond (field)	28	uS/sec			4/23/2007		
53-01	MW13	SW325	325	Temp (oC)	15.6	oC			4/23/2007		
53-01	MW13	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW13	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW13	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW13	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW13	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW13	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7440-39-3	15	Barium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7440-47-3	51	Chromium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7439-92-1	131	Lead	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW13	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	SW328	328	Top Of Casing (ft mean sea level)	358.61	feet					
53-01	MW14	SW318	318	Depth To Water (ft)	5.80	feet			4/23/2007		
53-01	MW14			Groundwater Elevation (ft)	352.8	feet			4/23/2007		
53-01	MW14	SW320	320	pH (field)	5.93				4/23/2007		
53-01	MW14	SW356	356	Dissolved Oxygen	1.39	mg/L			4/23/2007		
53-01	MW14	SW323	323	SpecCond (field)	59	uS/sec			4/23/2007		
53-01	MW14	SW325	325	Temp (oC)	14.9	oC			4/23/2007		
53-01	MW14	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW14	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW14	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW14	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	MW14	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	MW14	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7440-39-3	15	Barium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7440-47-3	51	Chromium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7439-92-1	131	Lead	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	MW14	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	71-43-2	16	Benzene	0.31	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	SW2	108-88-3	196	Toluene	0.32	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	SW2	100-41-4	110	Ethylbenzene	0.26	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	SW2	1330-20-7	346	Total Xylenes	0.73	ug/L	U	1	4/23/2007	4/27/2007	4/27/2007
53-01	SW2	7439-97-6	132	Mercury	0.044	ug/L	U	1	4/23/2007	4/26/2007	4/27/2007
53-01	SW2	7440-38-2	14	Arsenic	7.9	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7440-39-3	15	Barium	[redacted]	ug/L		1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7440-43-9	34	Cadmium	0.70	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7440-47-3	51	Chromium	2.3	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7439-92-1	131	Lead	2.4	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7782-49-2	183	Selenium	9.2	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007
53-01	SW2	7440-22-4	184	Silver	2.5	ug/L	U	1	4/23/2007	4/25/2007	4/26/2007

Note:

1. * Technically, this sample set didn't have any extractions. The metals (except for mercury) were prepped and digested on 4/25/07 at 1044. Mercury was prepped and digested on 4/26/07 at 0007. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument.



CONTOUR INTERVAL = 10 FEET

N

MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC – MURCHISONTOWN, NC

GRAPHIC SCALE

0' 2000' 4000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

LEE COUNTY LANDFILL

LEE COUNTY PUBLIC WORKS DEPARTMENT SANFORD, NC

PROJECT NO.	02296	DRAWN BY:	RDK	DATE:	5/12/01
SCALE:	1" = 2000'	CHECKED BY:	JRG	FIGURE NO.	1

Ryan Kerins

From: Jimmy Hunt [huntj@envsci.com]
Sent: Tuesday, May 01, 2007 2:10 PM
To: Ryan Kerins
Subject: Prep dates for L290419

Ryan,
Technically speaking, this sample set didn't have any extractions. The metals (except for mercury) were prepped and digested on 4/25/07 at 1044. Mercury was prepped and digested on 4/26/07 at 0007. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument. If you need more info, please let me know.

Thanks,
Jimmy Hunt
Technical Service Representative
Environmental Science Corp.
(800) 767-5859

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Tax I.D. 62-0814289

Est. 1970

Mr. Ryan Kerins
TerraQuest Environmental Consultants PC
209 East Main Street

Carrboro, NC 27510

Report Summary

Monday April 30, 2007

Report Number: L290419
Samples Received: 04/25/07
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. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-01

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW5

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 13:48

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	330	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	U	2.3	10.	ug/l		6010B	04/26/07	1
Lead	22.	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-01

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW5

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 13:48

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	91.1			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	101.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-02

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW6

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 11:52

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	47.	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	U	2.3	10.	ug/l		6010B	04/26/07	1
Lead	U	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Note:
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-02

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW6

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 11:52

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	92.2			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	100.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-03

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW9

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 11:17

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	81.	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	U	2.3	10.	ug/l		6010B	04/26/07	1
Lead	U	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-03

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW9

Collected By : Nick Perry
Collection Date : 04/23/07 11:17

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	92.4			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-04

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW12

Collected By : Nick Perry
Collection Date : 04/23/07 13:25

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	1800	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	9.9	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	U	2.3	10.	ug/l		6010B	04/26/07	1
Lead	70.	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	5.1	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	21.	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	160	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	0.67	0.32	1.0	ug/l	J	8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	0.40	0.30	1.0	ug/l	J	8260B	04/27/07	1
1,3-Dichlorobenzene	0.31	0.28	1.0	ug/l	J	8260B	04/27/07	1
1,4-Dichlorobenzene	6.3	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	1.4	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	21.	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	0.63	0.34	1.0	ug/l	J	8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-04

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW12

Collected By : Nick Perry
Collection Date : 04/23/07 13:25

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	2.8	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	0.41	0.38	5.0	ug/l	J	8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	0.37	0.32	1.0	ug/l	J	8260B	04/27/07	1
Naphthalene	6.7	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	1.7	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	0.40	0.32	5.0	ug/l	J	8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	1.0	0.73	3.0	ug/l	J	8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	92.1			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	104.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-05

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW13

Collected By : Nick Perry
Collection Date : 04/23/07 10:48

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	240	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	11.	2.3	10.	ug/l		6010B	04/26/07	1
Lead	12.	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-05

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW13

Collected By : Nick Perry
Collection Date : 04/23/07 10:48

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	93.3			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-06

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : MW14

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 10:30

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	230	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	24.	2.3	10.	ug/l		6010B	04/26/07	1
Lead	120	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-06

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : MW14

Collected By : Nick Perry
Collection Date : 04/23/07 10:30

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	93.6			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/27/07	1

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-07

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : SW2

Collected By : Nick Perry
Collection Date : 04/23/07 14:03

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	04/27/07	1
Arsenic	U	7.9	20.	ug/l		6010B	04/26/07	1
Barium	52.	1.0	5.0	ug/l		6010B	04/26/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	04/26/07	1
Chromium	U	2.3	10.	ug/l		6010B	04/26/07	1
Lead	U	2.4	5.0	ug/l		6010B	04/26/07	1
Selenium	U	9.2	20.	ug/l		6010B	04/26/07	1
Silver	U	2.5	10.	ug/l		6010B	04/26/07	1
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-07

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : SW2

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 14:03

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	93.0			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	102.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Est. 1970

REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-08

Site ID :

Project # : 02296

Date Received : April 25, 2007
Description : Lee County Landfill

Sample ID : TRIP BLANK

Collected By : Nick Perry
Collection Date : 04/23/07 00:00

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Volatile Organics								
Acetone	U	17.	50.	ug/l		8260B	04/27/07	1
Acrolein	U	13.	50.	ug/l		8260B	04/27/07	1
Acrylonitrile	U	1.4	10.	ug/l		8260B	04/27/07	1
Benzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Bromobenzene	U	0.45	1.0	ug/l		8260B	04/27/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	04/27/07	1
Bromoform	U	0.43	1.0	ug/l		8260B	04/27/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	04/27/07	1
n-Butylbenzene	U	0.24	1.0	ug/l		8260B	04/27/07	1
sec-Butylbenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
tert-Butylbenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Carbon tetrachloride	U	0.36	1.0	ug/l		8260B	04/27/07	1
Chlorobenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chlorodibromomethane	U	0.31	1.0	ug/l		8260B	04/27/07	1
Chloroethane	U	0.46	1.0	ug/l		8260B	04/27/07	1
2-Chloroethyl vinyl ether	U	6.0	50.	ug/l		8260B	04/27/07	1
Chloroform	U	0.54	5.0	ug/l		8260B	04/27/07	1
Chloromethane	U	0.65	1.0	ug/l		8260B	04/27/07	1
2-Chlorotoluene	U	0.32	1.0	ug/l		8260B	04/27/07	1
4-Chlorotoluene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dibromo-3-Chloropropane	U	0.89	5.0	ug/l		8260B	04/27/07	1
1,2-Dibromoethane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Dibromomethane	U	0.79	1.0	ug/l		8260B	04/27/07	1
1,2-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
1,3-Dichlorobenzene	U	0.28	1.0	ug/l		8260B	04/27/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	04/27/07	1
Dichlorodifluoromethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethane	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloroethane	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
cis-1,2-Dichloroethene	U	0.44	1.0	ug/l		8260B	04/27/07	1
trans-1,2-Dichloroethene	U	0.33	1.0	ug/l		8260B	04/27/07	1
1,2-Dichloropropane	U	0.54	1.0	ug/l		8260B	04/27/07	1
1,1-Dichloropropene	U	0.34	1.0	ug/l		8260B	04/27/07	1
1,3-Dichloropropane	U	0.35	1.0	ug/l		8260B	04/27/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	04/27/07	1
trans-1,3-Dichloropropene	U	0.32	1.0	ug/l		8260B	04/27/07	1
2,2-Dichloropropane	U	0.36	1.0	ug/l		8260B	04/27/07	1
Di-isopropyl ether	U	0.37	1.0	ug/l		8260B	04/27/07	1
Ethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Hexachlorobutadiene	U	0.58	1.0	ug/l		8260B	04/27/07	1
Isopropylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
209 East Main Street
Carrboro, NC 27510

April 30, 2007

ESC Sample # : L290419-08

Date Received : April 25, 2007
Description : Lee County Landfill

Site ID :

Sample ID : TRIP BLANK

Project # : 02296

Collected By : Nick Perry
Collection Date : 04/23/07 00:00

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
p-Isopropyltoluene	U	0.29	1.0	ug/l		8260B	04/27/07	1
2-Butanone (MEK)	U	2.7	10.	ug/l		8260B	04/27/07	1
Methylene Chloride	U	0.38	5.0	ug/l		8260B	04/27/07	1
4-Methyl-2-pentanone (MIBK)	U	2.0	10.	ug/l		8260B	04/27/07	1
Methyl tert-butyl ether	U	0.32	1.0	ug/l		8260B	04/27/07	1
Naphthalene	U	0.27	5.0	ug/l		8260B	04/27/07	1
n-Propylbenzene	U	0.31	1.0	ug/l		8260B	04/27/07	1
Styrene	U	0.27	1.0	ug/l		8260B	04/27/07	1
1,1,1,2-Tetrachloroethane	U	0.47	1.0	ug/l		8260B	04/27/07	1
1,1,2,2-Tetrachloroethane	U	0.43	1.0	ug/l		8260B	04/27/07	1
Tetrachloroethene	U	0.43	1.0	ug/l		8260B	04/27/07	1
Toluene	U	0.32	5.0	ug/l		8260B	04/27/07	1
1,2,3-Trichlorobenzene	U	0.37	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trichlorobenzene	U	0.32	1.0	ug/l		8260B	04/27/07	1
1,1,1-Trichloroethane	U	0.38	1.0	ug/l		8260B	04/27/07	1
1,1,2-Trichloroethane	U	0.40	1.0	ug/l		8260B	04/27/07	1
Trichloroethene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Trichlorofluoromethane	U	0.29	1.0	ug/l		8260B	04/27/07	1
1,2,3-Trichloropropane	U	0.46	1.0	ug/l		8260B	04/27/07	1
1,2,4-Trimethylbenzene	U	0.25	1.0	ug/l		8260B	04/27/07	1
1,3,5-Trimethylbenzene	U	0.26	1.0	ug/l		8260B	04/27/07	1
Vinyl chloride	U	0.31	1.0	ug/l		8260B	04/27/07	1
Xylenes, Total	U	0.73	3.0	ug/l		8260B	04/27/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	04/27/07	1
Dibromofluoromethane	91.4			% Rec.		8260B	04/27/07	1
4-Bromofluorobenzene	103.			% Rec.		8260B	04/27/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L290419-04	2-Chlorotoluene	J
	1,2-Dichlorobenzene	J
	1,3-Dichlorobenzene	J
	1,2-Dichloroethane	J
	Methylene Chloride	J
	Methyl tert-butyl ether	J
	Toluene	J
	Xylenes, Total	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

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
04/30/07 at 13:30:10

TSR Signing Reports: 350
R5 - Desired TAT

No emails. Send 2 MeOH vials for VPH & 8260. Report all air samples in ppb by vol & acetone at 50ppb. Non-trust fund = $30 shipping. Paperless client. Attach VPH/EPH forms to CofCs.

Sample: L290419-01 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-02 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-03 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-04 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-05 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-06 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-07 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

Sample: L290419-08 Account: TURENV Received: 04/25/07 07:45 Due Date: 05/02/07 00:00 RPT Date: 04/29/07 10:10

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TerraQuest Environmental Consultants PC
Mr. Ryan Kerins
209 East Main Street

Carrboro, NC 27510

Quality Assurance Report
Level II

L290419

April 30, 2007

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Arsenic	< .02	mg/l	04/26/07 02:32	WG297132
Barium	< .005	mg/l	04/26/07 02:32	WG297132
Cadmium	< .005	mg/l	04/26/07 02:32	WG297132
Chromium	< .01	mg/l	04/26/07 02:32	WG297132
Lead	< .005	mg/l	04/26/07 02:32	WG297132
Selenium	< .02	mg/l	04/26/07 02:32	WG297132
Silver	< .01	mg/l	04/26/07 02:32	WG297132
Mercury	< .0002	mg/l	04/27/07 01:27	WG297296
1,1,1,2-Tetrachloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,1,1-Trichloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,1,2,2-Tetrachloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,1,2-Trichloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,1-Dichloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,1-Dichloroethene	< .001	mg/l	04/27/07 05:45	WG297427
1,1-Dichloropropene	< .001	mg/l	04/27/07 05:45	WG297427
1,2,3-Trichlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,2,3-Trichloropropane	< .001	mg/l	04/27/07 05:45	WG297427
1,2,4-Trichlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,2,4-Trimethylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,2-Dibromo-3-Chloropropane	< .002	mg/l	04/27/07 05:45	WG297427
1,2-Dibromoethane	< .001	mg/l	04/27/07 05:45	WG297427
1,2-Dichlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,2-Dichloroethane	< .001	mg/l	04/27/07 05:45	WG297427
1,2-Dichloropropane	< .001	mg/l	04/27/07 05:45	WG297427
1,3,5-Trimethylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,3-Dichlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
1,3-Dichloropropane	< .001	mg/l	04/27/07 05:45	WG297427
1,4-Dichlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
2,2-Dichloropropane	< .001	mg/l	04/27/07 05:45	WG297427
2-Butanone (MEK)	< .01	mg/l	04/27/07 05:45	WG297427
2-Chloroethyl vinyl ether	< .001	mg/l	04/27/07 05:45	WG297427
2-Chlorotoluene	< .001	mg/l	04/27/07 05:45	WG297427
4-Chlorotoluene	< .001	mg/l	04/27/07 05:45	WG297427
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	04/27/07 05:45	WG297427
Acetone	< .05	mg/l	04/27/07 05:45	WG297427
Acrolein	< .05	mg/l	04/27/07 05:45	WG297427
Acrylonitrile	< .01	mg/l	04/27/07 05:45	WG297427
Benzene	< .001	mg/l	04/27/07 05:45	WG297427
Bromobenzene	< .001	mg/l	04/27/07 05:45	WG297427
Bromodichloromethane	< .001	mg/l	04/27/07 05:45	WG297427
Bromoform	< .001	mg/l	04/27/07 05:45	WG297427
Bromomethane	< .005	mg/l	04/27/07 05:45	WG297427
Carbon tetrachloride	< .001	mg/l	04/27/07 05:45	WG297427
Chlorobenzene	< .001	mg/l	04/27/07 05:45	WG297427
Chlorodibromomethane	< .001	mg/l	04/27/07 05:45	WG297427
Chloroethane	< .001	mg/l	04/27/07 05:45	WG297427
Chloroform	< .005	mg/l	04/27/07 05:45	WG297427
Chloromethane	< .001	mg/l	04/27/07 05:45	WG297427
cis-1,2-Dichloroethene	< .001	mg/l	04/27/07 05:45	WG297427
cis-1,3-Dichloropropene	< .001	mg/l	04/27/07 05:45	WG297427
Di-isopropyl ether	< .001	mg/l	04/27/07 05:45	WG297427
Dibromomethane	< .001	mg/l	04/27/07 05:45	WG297427
Dichlorodifluoromethane	< .001	mg/l	04/27/07 05:45	WG297427
Ethylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
Hexachlorobutadiene	< .001	mg/l	04/27/07 05:45	WG297427
Isopropylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
Methyl tert-butyl ether	< .001	mg/l	04/27/07 05:45	WG297427
Methylene Chloride	< .005	mg/l	04/27/07 05:45	WG297427

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Quality Assurance Report
Level II

L290419

April 30, 2007

n-Butylbenzene	< .001	mg/l	04/27/07 05:45	WG297427

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
n-Propylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
Naphthalene	< .005	mg/l	04/27/07 05:45	WG297427
p-Isopropyltoluene	< .001	mg/l	04/27/07 05:45	WG297427
sec-Butylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
Styrene	< .001	mg/l	04/27/07 05:45	WG297427
tert-Butylbenzene	< .001	mg/l	04/27/07 05:45	WG297427
Tetrachloroethene	< .001	mg/l	04/27/07 05:45	WG297427
Toluene	< .005	mg/l	04/27/07 05:45	WG297427
trans-1,2-Dichloroethene	< .001	mg/l	04/27/07 05:45	WG297427
trans-1,3-Dichloropropene	< .001	mg/l	04/27/07 05:45	WG297427
Trichloroethene	< .001	mg/l	04/27/07 05:45	WG297427
Trichlorofluoromethane	< .001	mg/l	04/27/07 05:45	WG297427
Vinyl chloride	< .001	mg/l	04/27/07 05:45	WG297427
Xylenes, Total	< .003	mg/l	04/27/07 05:45	WG297427

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Arsenic	mg/l	0.00	0.00470	NA	20	L290410-04	WG297132
Barium	mg/l	0.0596	0.0624	4.59	20	L290410-04	WG297132
Cadmium	mg/l	0.00	0.00130	NA	20	L290410-04	WG297132
Chromium	mg/l	0.00	0.00880	NA	20	L290410-04	WG297132
Lead	mg/l	0.00	0.00	0.00	20	L290410-04	WG297132
Selenium	mg/l	0.00	0.00	0.00	20	L290410-04	WG297132
Silver	mg/l	0.00	0.00190	NA	20	L290410-04	WG297132
Mercury	mg/l	0.00	0.00	0.00	20	L290332-03	WG297296

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Arsenic	mg/l	1	0.914	91.4	85-115	WG297132
Barium	mg/l	1	0.969	96.9	85-115	WG297132
Cadmium	mg/l	1	0.976	97.6	85-115	WG297132
Chromium	mg/l	1	0.937	93.7	85-115	WG297132
Lead	mg/l	1	0.957	95.7	85-115	WG297132
Selenium	mg/l	1	1.01	101.	85-115	WG297132
Silver	mg/l	1	0.966	96.6	85-115	WG297132
Mercury	mg/l	.003	0.00294	98.0	85-115	WG297296
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0547	109.	61-134	WG297427
1,1,1-Trichloroethane	mg/l	.05	0.0503	101.	62-133	WG297427
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0525	105.	66-124	WG297427
1,1,2-Trichloroethane	mg/l	.05	0.0522	104.	62-124	WG297427
1,1-Dichloroethane	mg/l	.05	0.0432	86.4	59-135	WG297427
1,1-Dichloroethene	mg/l	.05	0.0430	86.0	68-136	WG297427
1,1-Dichloropropene	mg/l	.05	0.0437	87.5	63-125	WG297427
1,2,3-Trichlorobenzene	mg/l	.05	0.0426	85.3	57-152	WG297427
1,2,3-Trichloropropane	mg/l	.05	0.0536	107.	62-138	WG297427
1,2,4-Trichlorobenzene	mg/l	.05	0.0426	85.1	49-153	WG297427
1,2,4-Trimethylbenzene	mg/l	.05	0.0474	94.8	61-128	WG297427
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0494	98.7	50-139	WG297427
1,2-Dibromoethane	mg/l	.05	0.0518	104.	70-122	WG297427
1,2-Dichlorobenzene	mg/l	.05	0.0520	104.	54-135	WG297427
1,2-Dichloroethane	mg/l	.05	0.0449	89.8	61-131	WG297427
1,2-Dichloropropane	mg/l	.05	0.0475	95.0	64-126	WG297427
1,3,5-Trimethylbenzene	mg/l	.05	0.0476	95.3	65-126	WG297427
1,3-Dichlorobenzene	mg/l	.05	0.0570	114.	45-143	WG297427

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1,3-Dichloropropane	mg/l	.05	0.0509	102.	74-118	WG297427

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,4-Dichlorobenzene	mg/l	.05	0.0507	101.	48-138	WG297427
2,2-Dichloropropane	mg/l	.05	0.0387	77.4	52-140	WG297427
2-Butanone (MEK)	mg/l	.25	0.204	81.6	50-132	WG297427
2-Chloroethyl vinyl ether	mg/l	.25	0.235	93.9	36-136	WG297427
2-Chlorotoluene	mg/l	.05	0.0558	112.	61-134	WG297427
4-Chlorotoluene	mg/l	.05	0.0551	110.	67-129	WG297427
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.255	102.	47-143	WG297427
Acetone	mg/l	.25	0.201	80.6	36-163	WG297427
Acrolein	mg/l	.25	0.204	81.5	27-122	WG297427
Acrylonitrile	mg/l	.25	0.198	79.1	44-130	WG297427
Benzene	mg/l	.05	0.0424	84.9	63-121	WG297427
Bromobenzene	mg/l	.05	0.0554	111.	70-130	WG297427
Bromodichloromethane	mg/l	.05	0.0620	124.	64-127	WG297427
Bromoform	mg/l	.05	0.0601	120.	60-139	WG297427
Bromomethane	mg/l	.05	0.0417	83.4	30-125	WG297427
Carbon tetrachloride	mg/l	.05	0.0499	99.7	70-140	WG297427
Chlorobenzene	mg/l	.05	0.0524	105.	70-126	WG297427
Chlorodibromomethane	mg/l	.05	0.0557	111.	62-132	WG297427
Chloroethane	mg/l	.05	0.0447	89.4	43-146	WG297427
Chloroform	mg/l	.05	0.0437	87.4	65-121	WG297427
Chloromethane	mg/l	.05	0.0395	79.0	45-131	WG297427
cis-1,2-Dichloroethene	mg/l	.05	0.0435	87.0	68-123	WG297427
cis-1,3-Dichloropropene	mg/l	.05	0.0538	108.	66-121	WG297427
Di-isopropyl ether	mg/l	.05	0.0434	86.9	58-127	WG297427
Dibromomethane	mg/l	.05	0.0519	104.	69-119	WG297427
Dichlorodifluoromethane	mg/l	.05	0.0461	92.1	24-155	WG297427
Ethylbenzene	mg/l	.05	0.0549	110.	70-121	WG297427
Hexachlorobutadiene	mg/l	.05	0.0468	93.6	60-119	WG297427
Isopropylbenzene	mg/l	.05	0.0469	93.7	68-128	WG297427
Methyl tert-butyl ether	mg/l	.05	0.0443	88.6	51-137	WG297427
Methylene Chloride	mg/l	.05	0.0413	82.7	53-131	WG297427
n-Butylbenzene	mg/l	.05	0.0454	90.8	59-134	WG297427
n-Propylbenzene	mg/l	.05	0.0479	95.8	68-123	WG297427
Naphthalene	mg/l	.05	0.0408	81.6	54-150	WG297427
p-Isopropyltoluene	mg/l	.05	0.0468	93.6	64-132	WG297427
sec-Butylbenzene	mg/l	.05	0.0469	93.8	67-124	WG297427
Styrene	mg/l	.05	0.0600	120.	68-123	WG297427
tert-Butylbenzene	mg/l	.05	0.0471	94.3	65-128	WG297427
Tetrachloroethene	mg/l	.05	0.0554	111.	64-134	WG297427
Toluene	mg/l	.05	0.0532	106.	65-120	WG297427
trans-1,2-Dichloroethene	mg/l	.05	0.0426	85.1	59-138	WG297427
trans-1,3-Dichloropropene	mg/l	.05	0.0559	112.	55-113	WG297427
Trichloroethene	mg/l	.05	0.0524	105.	74-120	WG297427
Trichlorofluoromethane	mg/l	.05	0.0448	89.5	49-121	WG297427
Vinyl chloride	mg/l	.05	0.0427	85.4	46-133	WG297427
Xylenes, Total	mg/l	.15	0.166	111.	68-124	WG297427

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0537	0.0547	1.93	17	107	WG297427
1,1,1-Trichloroethane	mg/l	0.0482	0.0503	4.41	17	96	WG297427
1,1,2,2-Tetrachloroethane	mg/l	0.0535	0.0525	1.92	16	107	WG297427
1,1,2-Trichloroethane	mg/l	0.0534	0.0522	2.12	16	107	WG297427
1,1-Dichloroethane	mg/l	0.0415	0.0432	3.96	22	83	WG297427
1,1-Dichloroethene	mg/l	0.0410	0.0430	4.71	17	82	WG297427
1,1-Dichloropropene	mg/l	0.0432	0.0437	1.35	17	86	WG297427
1,2,3-Trichlorobenzene	mg/l	0.0440	0.0426	3.20	19	88	WG297427
1,2,3-Trichloropropane	mg/l	0.0566	0.0536	5.43	18	113	WG297427

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1,2,4-Trichlorobenzene	mg/l	0.0425	0.0426	0.0936	20	85	WG297427

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,2,4-Trimethylbenzene	mg/l	0.0474	0.0474	0.0200	18	95	WG297427
1,2-Dibromo-3-Chloropropane	mg/l	0.0515	0.0494	4.30	19	103	WG297427
1,2-Dibromoethane	mg/l	0.0529	0.0518	2.21	16	106	WG297427
1,2-Dichlorobenzene	mg/l	0.0514	0.0520	1.34	16	103	WG297427
1,2-Dichloroethane	mg/l	0.0440	0.0449	2.04	15	88	WG297427
1,2-Dichloropropane	mg/l	0.0456	0.0475	4.04	18	91	WG297427
1,3,5-Trimethylbenzene	mg/l	0.0471	0.0476	1.21	17	94	WG297427
1,3-Dichlorobenzene	mg/l	0.0557	0.0570	2.28	17	111	WG297427
1,3-Dichloropropane	mg/l	0.0516	0.0509	1.39	15	103	WG297427
1,4-Dichlorobenzene	mg/l	0.0496	0.0507	2.19	17	99	WG297427
2,2-Dichloropropane	mg/l	0.0367	0.0387	5.40	21	73	WG297427
2-Butanone (MEK)	mg/l	0.213	0.204	4.58	21	85	WG297427
2-Chloroethyl vinyl ether	mg/l	0.221	0.235	6.19	28	88	WG297427
2-Chlorotoluene	mg/l	0.0549	0.0558	1.80	26	110	WG297427
4-Chlorotoluene	mg/l	0.0544	0.0551	1.20	17	109	WG297427
4-Methyl-2-pentanone (MIBK)	mg/l	0.264	0.255	3.83	21	106	WG297427
Acetone	mg/l	0.200	0.201	0.718	20	80	WG297427
Acrolein	mg/l	0.219	0.204	7.41	13	88	WG297427
Acrylonitrile	mg/l	0.194	0.198	1.69	20	78	WG297427
Benzene	mg/l	0.0410	0.0424	3.45	16	82	WG297427
Bromobenzene	mg/l	0.0540	0.0554	2.50	16	108	WG297427
Bromodichloromethane	mg/l	0.0612	0.0620	1.21	17	122	WG297427
Bromoform	mg/l	0.0622	0.0601	3.45	15	124	WG297427
Bromomethane	mg/l	0.0378	0.0417	9.75	21	76	WG297427
Carbon tetrachloride	mg/l	0.0488	0.0499	2.17	17	98	WG297427
Chlorobenzene	mg/l	0.0520	0.0524	0.787	16	104	WG297427
Chlorodibromomethane	mg/l	0.0561	0.0557	0.724	15	112	WG297427
Chloroethane	mg/l	0.0426	0.0447	4.86	24	85	WG297427
Chloroform	mg/l	0.0426	0.0437	2.68	15	85	WG297427
Chloromethane	mg/l	0.0388	0.0395	1.84	22	78	WG297427
cis-1,2-Dichloroethene	mg/l	0.0423	0.0435	2.95	15	85	WG297427
cis-1,3-Dichloropropene	mg/l	0.0526	0.0538	2.30	18	105	WG297427
Di-isopropyl ether	mg/l	0.0423	0.0434	2.72	18	85	WG297427
Dibromomethane	mg/l	0.0519	0.0519	0.0544	16	104	WG297427
Dichlorodifluoromethane	mg/l	0.0437	0.0461	5.36	22	87	WG297427
Ethylbenzene	mg/l	0.0551	0.0549	0.377	17	110	WG297427
Hexachlorobutadiene	mg/l	0.0447	0.0468	4.57	18	89	WG297427
Isopropylbenzene	mg/l	0.0468	0.0469	0.0586	17	94	WG297427
Methyl tert-butyl ether	mg/l	0.0448	0.0443	1.03	18	90	WG297427
Methylene Chloride	mg/l	0.0405	0.0413	2.11	17	81	WG297427
n-Butylbenzene	mg/l	0.0438	0.0454	3.61	19	88	WG297427
n-Propylbenzene	mg/l	0.0471	0.0479	1.58	17	94	WG297427
Naphthalene	mg/l	0.0430	0.0408	5.34	17	86	WG297427
p-Isopropyltoluene	mg/l	0.0461	0.0468	1.63	18	92	WG297427
sec-Butylbenzene	mg/l	0.0459	0.0469	2.10	18	92	WG297427
Styrene	mg/l	0.0592	0.0600	1.34	17	118	WG297427
tert-Butylbenzene	mg/l	0.0466	0.0471	1.13	17	93	WG297427
Tetrachloroethene	mg/l	0.0548	0.0554	1.00	18	110	WG297427
Toluene	mg/l	0.0518	0.0532	2.62	18	104	WG297427
trans-1,2-Dichloroethene	mg/l	0.0415	0.0426	2.48	22	83	WG297427
trans-1,3-Dichloropropene	mg/l	0.0542	0.0559	3.04	18	108	WG297427
Trichloroethene	mg/l	0.0509	0.0524	3.02	16	102	WG297427
Trichlorofluoromethane	mg/l	0.0432	0.0448	3.62	19	86	WG297427
Vinyl chloride	mg/l	0.0407	0.0427	4.81	17	81	WG297427
Xylenes, Total	mg/l	0.164	0.166	1.37	17	109	WG297427

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch

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Arsenic	mg/l	1.01	0.0047	1	101.	75-125	L290410-04	WG297132

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Barium	mg/l	1.07	0.0624	1	101.	75-125	L290410-04	WG297132
Cadmium	mg/l	1.01	0.0013	1	101.	75-125	L290410-04	WG297132
Chromium	mg/l	0.998	0.0088	1	98.9	75-125	L290410-04	WG297132
Lead	mg/l	1.01	0.00	1	101.	75-125	L290410-04	WG297132
Selenium	mg/l	1.07	0.00	1	107.	75-125	L290410-04	WG297132
Silver	mg/l	0.993	0.0019	1	99.1	75-125	L290410-04	WG297132
Mercury	mg/l	0.0029	0.00	.003	98.3	70-130	L290419-02	WG297296
1,1,1,2-Tetrachloroethane	mg/l	2.82	0.00	.05	113.	57-133	L290104-16	WG297427
1,1,1-Trichloroethane	mg/l	2.61	0.00	.05	104.	54-143	L290104-16	WG297427
1,1,2,2-Tetrachloroethane	mg/l	2.87	0.00	.05	115.	58-134	L290104-16	WG297427
1,1,2-Trichloroethane	mg/l	2.73	0.00	.05	109.	58-125	L290104-16	WG297427
1,1-Dichloroethane	mg/l	2.19	0.00	.05	87.7	53-136	L290104-16	WG297427
1,1-Dichloroethene	mg/l	2.08	0.00	.05	83.1	58-145	L290104-16	WG297427
1,1-Dichloropropene	mg/l	2.17	0.0045	.05	86.6	58-126	L290104-16	WG297427
1,2,3-Trichlorobenzene	mg/l	2.12	0.00	.05	84.8	48-127	L290104-16	WG297427
1,2,3-Trichloropropane	mg/l	2.93	0.00	.05	117.	57-145	L290104-16	WG297427
1,2,4-Trichlorobenzene	mg/l	2.06	0.00	.05	82.5	41-127	L290104-16	WG297427
1,2,4-Trimethylbenzene	mg/l	2.43	0.0969	.05	93.4	52-125	L290104-16	WG297427
1,2-Dibromo-3-Chloropropane	mg/l	2.74	0.00	.05	110.	44-138	L290104-16	WG297427
1,2-Dibromoethane	mg/l	2.73	0.00	.05	109.	64-126	L290104-16	WG297427
1,2-Dichlorobenzene	mg/l	2.60	0.00	.05	104.	50-127	L290104-16	WG297427
1,2-Dichloroethane	mg/l	2.54	0.170	.05	94.6	54-145	L290104-16	WG297427
1,2-Dichloropropane	mg/l	2.36	0.00	.05	94.4	55-135	L290104-16	WG297427
1,3,5-Trimethylbenzene	mg/l	2.41	0.105	.05	92.3	54-125	L290104-16	WG297427
1,3-Dichlorobenzene	mg/l	2.92	0.00	.05	117.	47-128	L290104-16	WG297427
1,3-Dichloropropane	mg/l	2.67	0.0079	.05	106.	64-125	L290104-16	WG297427
1,4-Dichlorobenzene	mg/l	2.51	0.00	.05	100.	47-123	L290104-16	WG297427
2,2-Dichloropropane	mg/l	1.77	0.0555	.05	68.8	44-143	L290104-16	WG297427
2-Butanone (MEK)	mg/l	11.1	0.00	.25	89.1	47-133	L290104-16	WG297427
2-Chloroethyl vinyl ether	mg/l	0.427	0.00	.25	3.4	28-148	L290104-16	WG297427
2-Chlorotoluene	mg/l	2.84	0.0072	.05	113.	51-135	L290104-16	WG297427
4-Chlorotoluene	mg/l	2.78	0.0055	.05	111.	57-123	L290104-16	WG297427
4-Methyl-2-pentanone (MIBK)	mg/l	14.0	0.00	.25	112.	45-144	L290104-16	WG297427
Acetone	mg/l	10.7	0.00	.25	85.8	25-158	L290104-16	WG297427
Acrolein	mg/l	26.8	0.00	.25	214.	25-128	L290104-16	WG297427
Acrylonitrile	mg/l	10.9	0.00	.25	87.6	39-136	L290104-16	WG297427
Benzene	mg/l	7.07	4.90	.05	86.7	51-134	L290104-16	WG297427
Bromobenzene	mg/l	2.81	0.0084	.05	112.	60-131	L290104-16	WG297427
Bromodichloromethane	mg/l	3.19	0.00	.05	128.	54-139	L290104-16	WG297427
Bromoform	mg/l	3.17	0.00	.05	127.	52-144	L290104-16	WG297427
Bromomethane	mg/l	1.76	0.00	.05	70.5	23-131	L290104-16	WG297427
Carbon tetrachloride	mg/l	2.59	0.150	.05	97.6	51-147	L290104-16	WG297427
Chlorobenzene	mg/l	2.65	0.00	.05	106.	59-125	L290104-16	WG297427
Chlorodibromomethane	mg/l	2.89	0.00	.05	116.	57-133	L290104-16	WG297427
Chloroethane	mg/l	2.08	0.00	.05	83.3	38-153	L290104-16	WG297427
Chloroform	mg/l	2.32	0.00	.05	92.7	55-133	L290104-16	WG297427
Chloromethane	mg/l	1.70	0.00	.05	68.1	39-135	L290104-16	WG297427
cis-1,2-Dichloroethene	mg/l	2.20	0.00	.05	88.0	64-126	L290104-16	WG297427
cis-1,3-Dichloropropene	mg/l	2.68	0.00	.05	107.	54-122	L290104-16	WG297427
Di-isopropyl ether	mg/l	2.74	0.460	.05	91.2	53-132	L290104-16	WG297427
Dibromomethane	mg/l	2.75	0.0460	.05	108.	61-132	L290104-16	WG297427
Dichlorodifluoromethane	mg/l	2.00	0.00	.05	79.8	26-153	L290104-16	WG297427
Ethylbenzene	mg/l	2.77	0.00	.05	111.	55-125	L290104-16	WG297427
Hexachlorobutadiene	mg/l	2.12	0.00	.05	84.6	51-109	L290104-16	WG297427
Isopropylbenzene	mg/l	2.38	0.116	.05	90.5	59-127	L290104-16	WG297427
Methyl tert-butyl ether	mg/l	2.32	0.0510	.05	90.7	50-137	L290104-16	WG297427
Methylene Chloride	mg/l	2.05	0.00	.05	82.0	44-143	L290104-16	WG297427

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Quality Assurance Report
Level II

L290419

April 30, 2007

n-Butylbenzene	mg/l	2.13	0.0575	.05	83.0	47-124	L290104-16	WG297427

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
n-Propylbenzene	mg/l	2.39	0.0872	.05	92.3	53-124	L290104-16	WG297427
Naphthalene	mg/l	2.14	0.340	.05	72.0	45-141	L290104-16	WG297427
p-Isopropyltoluene	mg/l	2.32	0.126	.05	87.7	52-126	L290104-16	WG297427
sec-Butylbenzene	mg/l	2.33	0.110	.05	88.9	54-127	L290104-16	WG297427
Styrene	mg/l	3.05	0.00	.05	122.	55-121	L290104-16	WG297427
tert-Butylbenzene	mg/l	2.37	0.112	.05	90.5	57-128	L290104-16	WG297427
Tetrachloroethene	mg/l	2.69	0.00	.05	107.	53-128	L290104-16	WG297427
Toluene	mg/l	2.71	0.00	.05	108.	57-126	L290104-16	WG297427
trans-1,2-Dichloroethene	mg/l	2.16	0.00	.05	86.4	52-139	L290104-16	WG297427
trans-1,3-Dichloropropene	mg/l	2.79	0.00	.05	112.	48-113	L290104-16	WG297427
Trichloroethene	mg/l	2.53	0.00	.05	101.	57-135	L290104-16	WG297427
Trichlorofluoromethane	mg/l	2.20	0.00	.05	87.9	42-134	L290104-16	WG297427
Vinyl chloride	mg/l	1.83	0.00	.05	73.1	44-132	L290104-16	WG297427
Xylenes, Total	mg/l	8.40	0.00	.15	112.	54-129	L290104-16	WG297427

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Arsenic	mg/l	0.991	1.01	1.90	20	98.6	L290410-04	WG297132
Barium	mg/l	1.06	1.07	0.939	20	99.8	L290410-04	WG297132
Cadmium	mg/l	0.998	1.01	1.20	20	99.7	L290410-04	WG297132
Chromium	mg/l	0.981	0.998	1.72	20	97.2	L290410-04	WG297132
Lead	mg/l	0.994	1.01	1.60	20	99.4	L290410-04	WG297132
Selenium	mg/l	1.05	1.07	1.89	20	105.	L290410-04	WG297132
Silver	mg/l	0.987	0.993	0.606	20	98.5	L290410-04	WG297132
Mercury	mg/l	0.0029	0.0029	1.37	20	97.0	L290419-02	WG297296
1,1,1,2-Tetrachloroethane	mg/l	2.93	2.82	3.73	21	117.	L290104-16	WG297427
1,1,1-Trichloroethane	mg/l	2.63	2.61	0.756	22	105.	L290104-16	WG297427
1,1,2,2-Tetrachloroethane	mg/l	3.06	2.87	6.51	27	123.	L290104-16	WG297427
1,1,2-Trichloroethane	mg/l	2.85	2.73	4.48	19	114.	L290104-16	WG297427
1,1-Dichloroethane	mg/l	2.25	2.19	2.65	22	90.1	L290104-16	WG297427
1,1-Dichloroethene	mg/l	2.15	2.08	3.26	22	85.9	L290104-16	WG297427
1,1-Dichloropropene	mg/l	2.28	2.17	4.72	20	90.8	L290104-16	WG297427
1,2,3-Trichlorobenzene	mg/l	2.35	2.12	10.3	26	94.0	L290104-16	WG297427
1,2,3-Trichloropropane	mg/l	3.15	2.93	7.26	24	126.	L290104-16	WG297427
1,2,4-Trichlorobenzene	mg/l	2.22	2.06	7.37	26	88.8	L290104-16	WG297427
1,2,4-Trimethylbenzene	mg/l	2.53	2.43	3.77	26	97.2	L290104-16	WG297427
1,2-Dibromo-3-Chloropropane	mg/l	2.89	2.74	5.27	27	115.	L290104-16	WG297427
1,2-Dibromoethane	mg/l	2.83	2.73	3.37	19	113.	L290104-16	WG297427
1,2-Dichlorobenzene	mg/l	2.70	2.60	4.07	19	108.	L290104-16	WG297427
1,2-Dichloroethane	mg/l	2.62	2.54	3.13	21	97.8	L290104-16	WG297427
1,2-Dichloropropane	mg/l	2.49	2.36	5.49	20	99.7	L290104-16	WG297427
1,3,5-Trimethylbenzene	mg/l	2.49	2.41	3.01	27	95.2	L290104-16	WG297427
1,3-Dichlorobenzene	mg/l	3.05	2.92	4.28	25	122.	L290104-16	WG297427
1,3-Dichloropropane	mg/l	2.81	2.67	5.34	19	112.	L290104-16	WG297427
1,4-Dichlorobenzene	mg/l	2.63	2.51	4.56	18	105.	L290104-16	WG297427
2,2-Dichloropropane	mg/l	1.79	1.77	1.11	19	69.5	L290104-16	WG297427
2-Butanone (MEK)	mg/l	12.0	11.1	7.77	22	96.3	L290104-16	WG297427
2-Chloroethyl vinyl ether	mg/l	0.408	0.427	4.59	18	3.26	L290104-16	WG297427
2-Chlorotoluene	mg/l	2.94	2.84	3.47	28	117.	L290104-16	WG297427
4-Chlorotoluene	mg/l	2.92	2.78	4.67	25	116.	L290104-16	WG297427
4-Methyl-2-pentanone (MIBK)	mg/l	14.9	14.0	6.71	25	119.	L290104-16	WG297427
Acetone	mg/l	11.5	10.7	7.12	33	92.2	L290104-16	WG297427
Acrolein	mg/l	29.6	26.8	9.76	15	236.	L290104-16	WG297427
Acrylonitrile	mg/l	11.7	10.9	6.78	25	93.7	L290104-16	WG297427
Benzene	mg/l	7.21	7.07	1.96	18	92.3	L290104-16	WG297427
Bromobenzene	mg/l	2.95	2.81	4.83	22	118.	L290104-16	WG297427

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Level II

L290419

April 30, 2007

Bromodichloromethane	mg/l	3.29	3.19	2.83	19	131.	L290104-16	WG297427

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Bromoform	mg/l	3.38	3.17	6.55	21	135.	L290104-16	WG297427
Bromomethane	mg/l	1.85	1.76	4.64	24	73.9	L290104-16	WG297427
Carbon tetrachloride	mg/l	2.63	2.59	1.51	23	99.2	L290104-16	WG297427
Chlorobenzene	mg/l	2.79	2.65	5.10	22	112.	L290104-16	WG297427
Chlorodibromomethane	mg/l	3.03	2.89	4.71	19	121.	L290104-16	WG297427
Chloroethane	mg/l	2.13	2.08	2.30	25	85.2	L290104-16	WG297427
Chloroform	mg/l	2.35	2.32	1.43	20	94.0	L290104-16	WG297427
Chloromethane	mg/l	1.75	1.70	2.74	23	70.0	L290104-16	WG297427
cis-1,2-Dichloroethene	mg/l	2.24	2.20	1.92	18	89.7	L290104-16	WG297427
cis-1,3-Dichloropropene	mg/l	2.80	2.68	4.29	22	112.	L290104-16	WG297427
Di-isopropyl ether	mg/l	2.85	2.74	3.92	20	95.6	L290104-16	WG297427
Dibromomethane	mg/l	2.80	2.75	1.85	19	110.	L290104-16	WG297427
Dichlorodifluoromethane	mg/l	2.05	2.00	2.87	25	82.1	L290104-16	WG297427
Ethylbenzene	mg/l	2.90	2.77	4.65	20	116.	L290104-16	WG297427
Hexachlorobutadiene	mg/l	2.24	2.12	5.96	22	89.8	L290104-16	WG297427
Isopropylbenzene	mg/l	2.49	2.38	4.61	26	94.9	L290104-16	WG297427
Methyl tert-butyl ether	mg/l	2.47	2.32	6.21	21	96.7	L290104-16	WG297427
Methylene Chloride	mg/l	2.09	2.05	1.97	22	83.6	L290104-16	WG297427
n-Butylbenzene	mg/l	2.25	2.13	5.25	20	87.6	L290104-16	WG297427
n-Propylbenzene	mg/l	2.48	2.39	3.64	26	95.9	L290104-16	WG297427
Naphthalene	mg/l	2.38	2.14	10.8	25	81.8	L290104-16	WG297427
p-Isopropyltoluene	mg/l	2.40	2.32	3.58	20	91.1	L290104-16	WG297427
sec-Butylbenzene	mg/l	2.43	2.33	4.13	20	92.9	L290104-16	WG297427
Styrene	mg/l	3.19	3.05	4.26	27	127.	L290104-16	WG297427
tert-Butylbenzene	mg/l	2.48	2.37	4.35	26	94.7	L290104-16	WG297427
Tetrachloroethene	mg/l	2.79	2.69	3.65	24	111.	L290104-16	WG297427
Toluene	mg/l	2.81	2.71	3.70	26	112.	L290104-16	WG297427
trans-1,2-Dichloroethene	mg/l	2.17	2.16	0.541	24	86.9	L290104-16	WG297427
trans-1,3-Dichloropropene	mg/l	2.93	2.79	4.95	22	117.	L290104-16	WG297427
Trichloroethene	mg/l	2.61	2.53	2.92	23	104.	L290104-16	WG297427
Trichlorofluoromethane	mg/l	2.22	2.20	1.09	21	88.9	L290104-16	WG297427
Vinyl chloride	mg/l	1.90	1.83	3.94	24	76.0	L290104-16	WG297427
Xylenes, Total	mg/l	8.69	8.40	3.33	24	116.	L290104-16	WG297427

Batch number /Run number / Sample number cross reference

WG297132: R315689: L290419-01 02 03 04 05 06 07
WG297296: R315926: L290419-01 02 03 04 05 06 07
WG297427: R315978: L290419-01 02 03 04 05 06 07 08

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

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Quality Assurance Report
Level II

L290419

April 30, 2007

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:

Analysis/Container/Preservative

Chain of Custody Page 1 of 1

Prepared by:

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Report to: Ryan Kerins

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: Mitchemy

Site/Facility ID#:

P.O.#: 02296042307

Collected by (signature):

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode: TURENV (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260/GCMS VOA/HCL	8 Total RCRA Metals/500ml Plastic/nitric					Remarks/Contaminant	Sample # (lab only)
MW5	Grab	GW		4/23/07	1348	3	X	X					Please report	L290419-01
MW6					1152	3	X	X					both MDL & RDL.	02
MW9					1117	3	X	X						03
MW12					1325	3	X	X						04
MW13					1048	3	X	X						05
MW14					1030	3	X	X						06
SW2					1403	3	X	X						07

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

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date: 4/23/07	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐		Condition: (lab use only)
Relinquished by: (Signature)	Date: 4/24/07	Time: 1413	Received by: (Signature)	Temp: 3.5	Bottles Received: 21 TB	OK
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-25-07	Time: 07:45	pH Checked: C2 / NCF:

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.

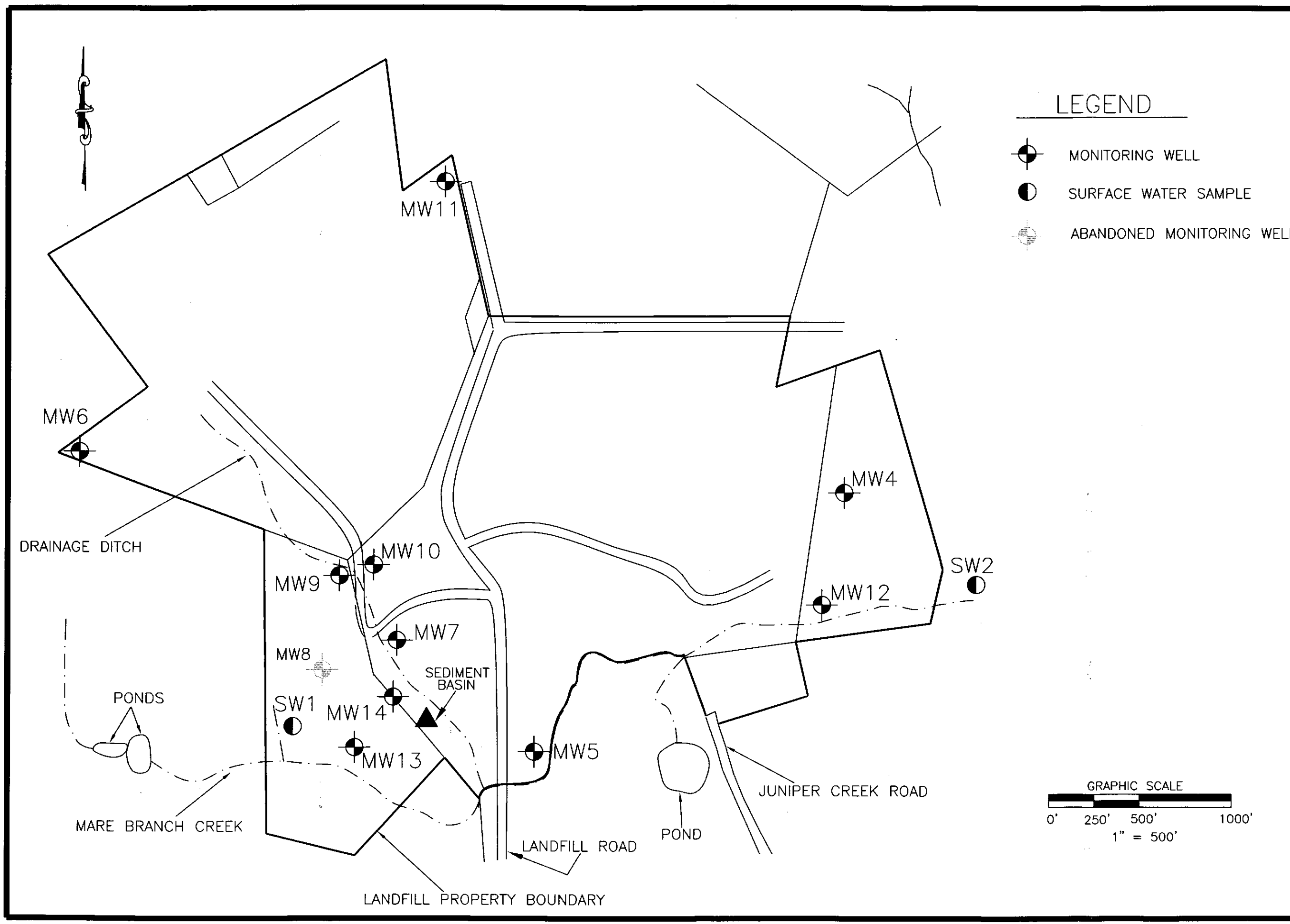
Field Measurements

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, a Hanna Instruments Model 991300 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.



SITE LAYOUT MAP
LEE COUNTY LANDFILL
SANFORD, NC

LEE COUNTY PUBLIC WORKS DEPARTMENT

PROJECT NO: 02296	CHECKED BY: MJB/JRG	FIGURE NO.	2
SCALE: 1" = 500'	DRAWN BY: JRG/RDK	DATE:	5/4/07

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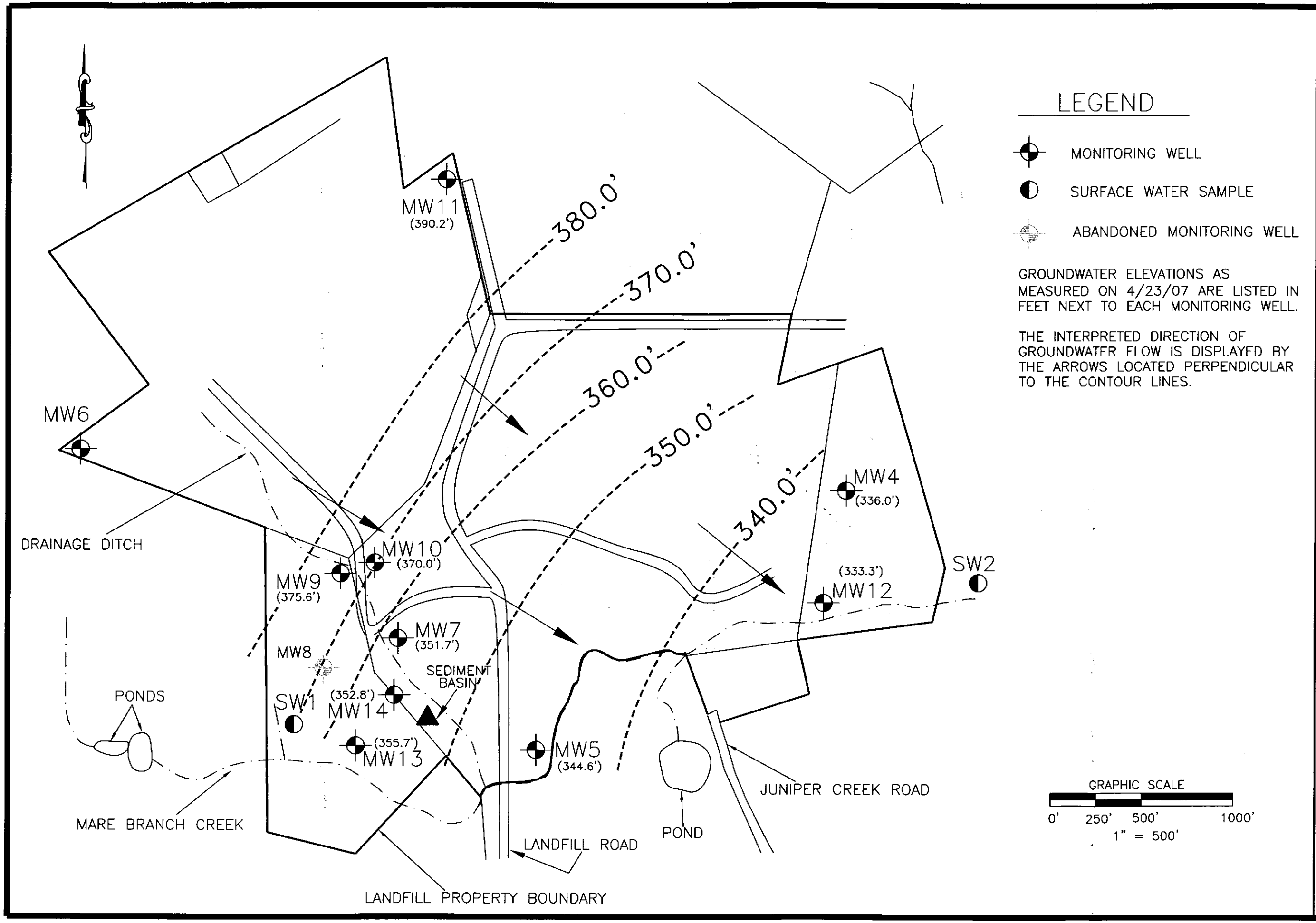
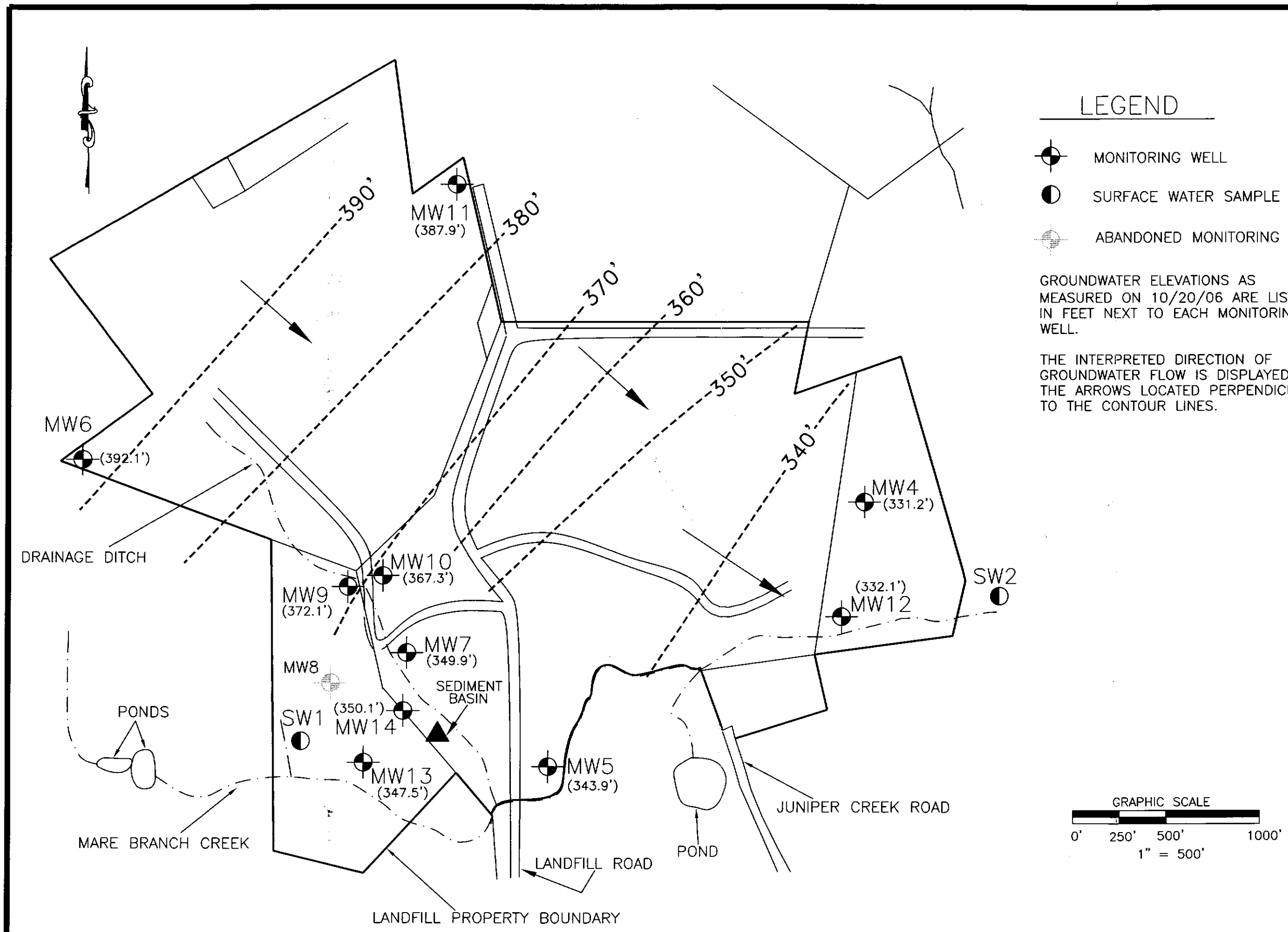


POTENTIOMETRIC SURFACE MAP (4/23/07)
LEE COUNTY LANDFILL

LEE COUNTY PUBLIC WORKS DEPARTMENT — SANFORD, NC

PROJECT NO: 02296	CHECKED BY: MJB/JRG	FIGURE NO.	3
SCALE: 1" = 500'	DRAWN BY: JRG/RDK	DATE:	5/7/07

TERRAquest ENVIRONMENTAL CONSULTANTS, P.C.



POTENTIOMETRIC SURFACE MAP (10/20/06)
LEE COUNTY LANDFILL

LEE COUNTY PUBLIC WORKS DEPARTMENT — SANFORD, NC

PROJECT NO: 02296	CHECKED BY: MJB/JRG	FIGURE NO.	4
SCALE: 1" = 500'	DRAWN BY: JRG/RDK	DATE:	11/1/06

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