TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

January 10, 2008

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

Re: Semi-Annual Groundwater Monitoring Event (October 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 October 31, 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 October 31, 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 concentrations of petroleum-type compounds by the 8260A Appendix I sampling method in monitoring well MW12 only. Benzene, was reported at a concentration in excess of the standard 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 and MW14 had reported lead concentrations above the 2L Standards. No other metal 2L Standard violations were reported.

100 E. Ruffin Street • Mebane, North Carolina 27302
Telephone (919) 563-9091 • Facsimile (919) 563-9095
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 October 31, and April 23, 2007 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 10/31/07
Figure 1 – Site Location Map
Figure 2 – Site Layout Map
Figure 3 – Potentiometric Surface Map (10/31/07)
Figure 4 – Potentiometric Surface Map (4/23/07)
Analytical Report
Technical Methods/Standard Procedures

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

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) 563-9091

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	October 31, 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) 563-9091
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	1/9/08 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1691 GEOLOGIST JONATHAN REED GRUBBS

Revised 01/2007

Table 1
Date: 1/9/08

GROUNDWATER DATA 10/31/07
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	345.9	feet					
53-01	MW4	SW318	318	Depth To Water	13.95	feet			10/31/2007		
53-01	MW4		427	Groundwater Elevation	332.0	feet			10/31/2007		
53-01	MW5	SW328	328	Top Of Casing	351.1	feet					
53-01	MW5	SW318	318	Depth To Water	6.64	feet			10/31/2007		
53-01	MW5		427	Groundwater Elevation	344.5	feet			10/31/2007		
53-01	MW5	SW320	320	pH (field)	6.23				10/31/2007		
53-01	MW5	SW356	356	Dissolved Oxygen	0.13	mg/L			10/31/2007		
53-01	MW5	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW5	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW5	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW5	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW5	107-06-2	76	cis-1,2-dichloroethene	0.72	ug/L	J	1	10/31/2007	*	11/5/2007
53-01	MW5			Trichloroethene	0.93	ug/L	J	1	10/31/2007	*	11/5/2007
53-01	MW5	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW5	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW5	7440-39-3	15	Barium	260	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW5	7440-43-9	34	Cadmium	1.90	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW5	7440-47-3	51	Chromium	2.3	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW5	7439-92-1	131	Lead	48.0	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW5	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW5	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW6	SW328	328	Top Of Casing	402.1	feet					
53-01	MW6	SW318	318	Depth To Water	10.28	feet			10/31/2007		
53-01	MW6		427	Groundwater Elevation	391.8	feet			10/31/2007		
53-01	MW6	SW320	320	pH (field)	4.52				10/31/2007		
53-01	MW6	SW356	356	Dissolved Oxygen	0.20	mg/L			10/31/2007		
53-01	MW6	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW6	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW6	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW6	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW6			Trichloroethene	0.48	ug/L	J	1	10/31/2007	*	11/5/2007
53-01	MW6	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW6	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW6	7440-39-3	15	Barium	56.0	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW6	7440-43-9	34	Cadmium	0.70	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW6	7440-47-3	51	Chromium	2.6	ug/L	J	1	10/31/2007	*	11/2/2007
53-01	MW6	7439-92-1	131	Lead	2.4	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW6	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW6	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW7	SW328	328	Top Of Casing	360.3	feet					
53-01	MW7	SW318	318	Depth To Water	10.76	feet			10/31/2007		
53-01	MW7		427	Groundwater Elevation	349.5	feet			10/31/2007		

Note:
1. * Technically, this sample set didn't have any extractions. The metals were prepped and digested. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument.

Table 1 (continued)
Date: 1/9/08

GROUNDWATER DATA 10/31/07
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	384.2	feet					
53-01	MW9	SW318	318	Depth To Water	9.69	feet			10/31/2007		
53-01	MW9		427	Groundwater Elevation	374.5	feet			10/31/2007		
53-01	MW9	SW320	320	pH (field)	4.20				10/31/2007		
53-01	MW9	SW356	356	Dissolved Oxygen	0.37	mg/L			10/31/2007		
53-01	MW9	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW9	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW9	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW9	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW9	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW9	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW9	7440-39-3	15	Barium	76.0	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW9	7440-43-9	34	Cadmium	0.70	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW9	7440-47-3	51	Chromium	2.3	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW9	7439-92-1	131	Lead	6.8	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW9	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW9	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW10	SW328	328	Top Of Casing	377.0	feet					
53-01	MW10	SW318	318	Depth To Water	8.57	feet			10/31/2007		
53-01	MW10		427	Groundwater Elevation	368.4	feet			10/31/2007		
53-01	MW11	SW328	328	Top Of Casing	399.6	feet					
53-01	MW11	SW318	318	Depth To Water	10.83	feet			10/31/2007		
53-01	MW11		427	Groundwater Elevation	388.8	feet			10/31/2007		
53-01	MW12	SW328	328	Top Of Casing	337.4	feet					
53-01	MW12	SW318	318	Depth To Water	4.32	feet			10/31/2007		
53-01	MW12		427	Groundwater Elevation	333.1	feet			10/31/2007		
53-01	MW12	SW320	320	pH (field)	5.72				10/31/2007		
53-01	MW12	SW356	356	Dissolved Oxygen	0.17	mg/L			10/31/2007		
53-01	MW12	71-43-2	16	Benzene	3.7	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	108-88-3	196	Toluene	0.50	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW12	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW12	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW12	108-90-7	39	Chlorobenzene	10.0	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	75-00-3	41	Chloroethane	160	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	95-50-1	69	1,2-Dichlorobenzene	3.30	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	75-34-3	75	1,1-Dichloroethane	35.0	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	108-20-3	366	IPE	0.36	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW12	98-82-8	367	Isopropylbenzene	2.3	ug/L		1	10/31/2007	*	11/7/2007
53-01	MW12	75-09-2	140	Methylene Chloride	2.5	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW12	91-20-3	148	Naphthalene	1.0	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW12	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW12	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW12	7440-39-3	15	Barium	1,400	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW12	7440-43-9	34	Cadmium	1.0	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW12	7440-47-3	51	Chromium	2.3	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW12	7439-92-1	131	Lead	5.8	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW12	7782-49-2	183	Selenium	33.0	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW12	7440-22-4	184	Silver	3.2	ug/L	U	1	10/31/2007	*	11/2/2007

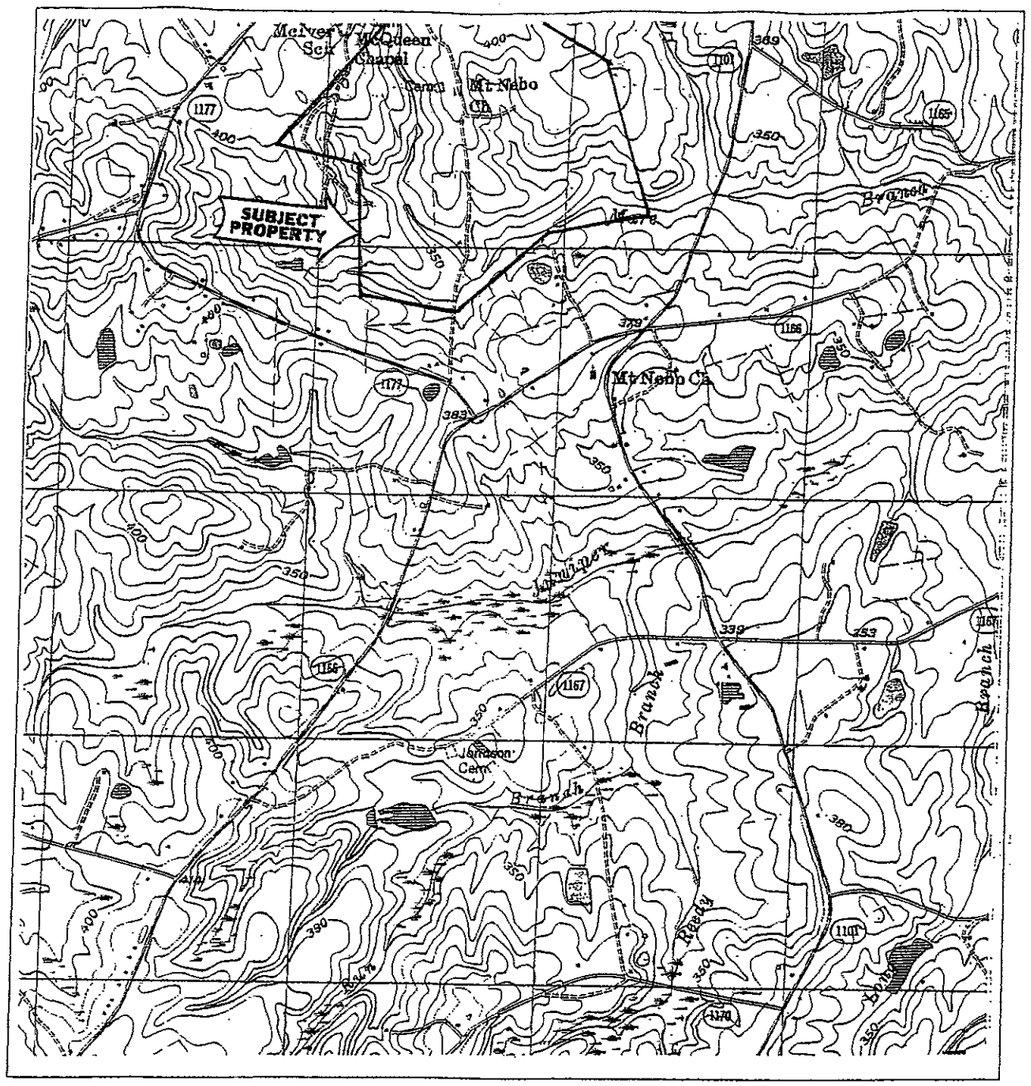
Note:
1. * Technically, this sample set didn't have any extractions. The metals were prepped and digested. The volatiles aren't involved in any extraction process. They are loaded directly onto the instrument.

Table 1 (continued)
Date: 1/9/08

GROUNDWATER DATA 10/31/07
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	363.93	feet					
53-01	MW13	SW318	318	Depth To Water	9.48	feet			10/31/2007		
53-01	MW13		427	Groundwater Elevation	354.45	feet			10/31/2007		
53-01	MW13	SW320	320	pH (field)	5.41				10/31/2007		
53-01	MW13	SW356	356	Dissolved Oxygen	0.44	mg/L			10/31/2007		
53-01	MW13	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW13	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW13	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW13	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW13	75-09-2	140	Methylene Chloride	1.40	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW13	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW13	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW13	7440-39-3	15	Barium	160	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW13	7440-43-9	34	Cadmium	0.70	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW13	7440-47-3	51	Chromium	3.3	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW13	7439-92-1	131	Lead	4.1	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW13	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW13	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW14	SW328	328	Top Of Casing	358.61	feet					
53-01	MW14	SW318	318	Depth To Water	7.97	feet			10/31/2007		
53-01	MW14		427	Groundwater Elevation	350.64	feet			10/31/2007		
53-01	MW14	SW320	320	pH (field)	5.32				10/31/2007		
53-01	MW14	SW356	356	Dissolved Oxygen	0.47	mg/L			10/31/2007		
53-01	MW14	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW14	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW14	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW14	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	MW14	75-09-2	140	Methylene Chloride	1.80	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	MW14	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	MW14	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW14	7440-39-3	15	Barium	180	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW14	7440-43-9	34	Cadmium	0.70	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW14	7440-47-3	51	Chromium	9.6	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW14	7439-92-1	131	Lead	42.0	ug/L		1	10/31/2007	*	11/2/2007
53-01	MW14	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	MW14	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	71-43-2	16	Benzene	0.29	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	SW2	108-88-3	196	Toluene	0.27	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	SW2	100-41-4	110	Ethylbenzene	0.22	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	SW2	1330-20-7	346	Total Xylenes	0.86	ug/L	U	1	10/31/2007	*	11/7/2007
53-01	SW2	75-09-2	140	Methylene Chloride	1.60	ug/L	J	1	10/31/2007	*	11/7/2007
53-01	SW2	7439-97-6	132	Mercury	0.044	ug/L	U	1	10/31/2007	*	11/5/2007
53-01	SW2	7440-38-2	14	Arsenic	7.9	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	7440-39-3	15	Barium	120	ug/L		1	10/31/2007	*	11/2/2007
53-01	SW2	7440-43-9	34	Cadmium	0.70	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	7440-47-3	51	Chromium	2.3	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	7439-92-1	131	Lead	2.4	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	7782-49-2	183	Selenium	9.2	ug/L	U	1	10/31/2007	*	11/2/2007
53-01	SW2	7440-22-4	184	Silver	2.5	ug/L	U	1	10/31/2007	*	11/2/2007

Note:
1. * Technically, this sample set didn't have any extractions. The metals were prepped and digested. 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'

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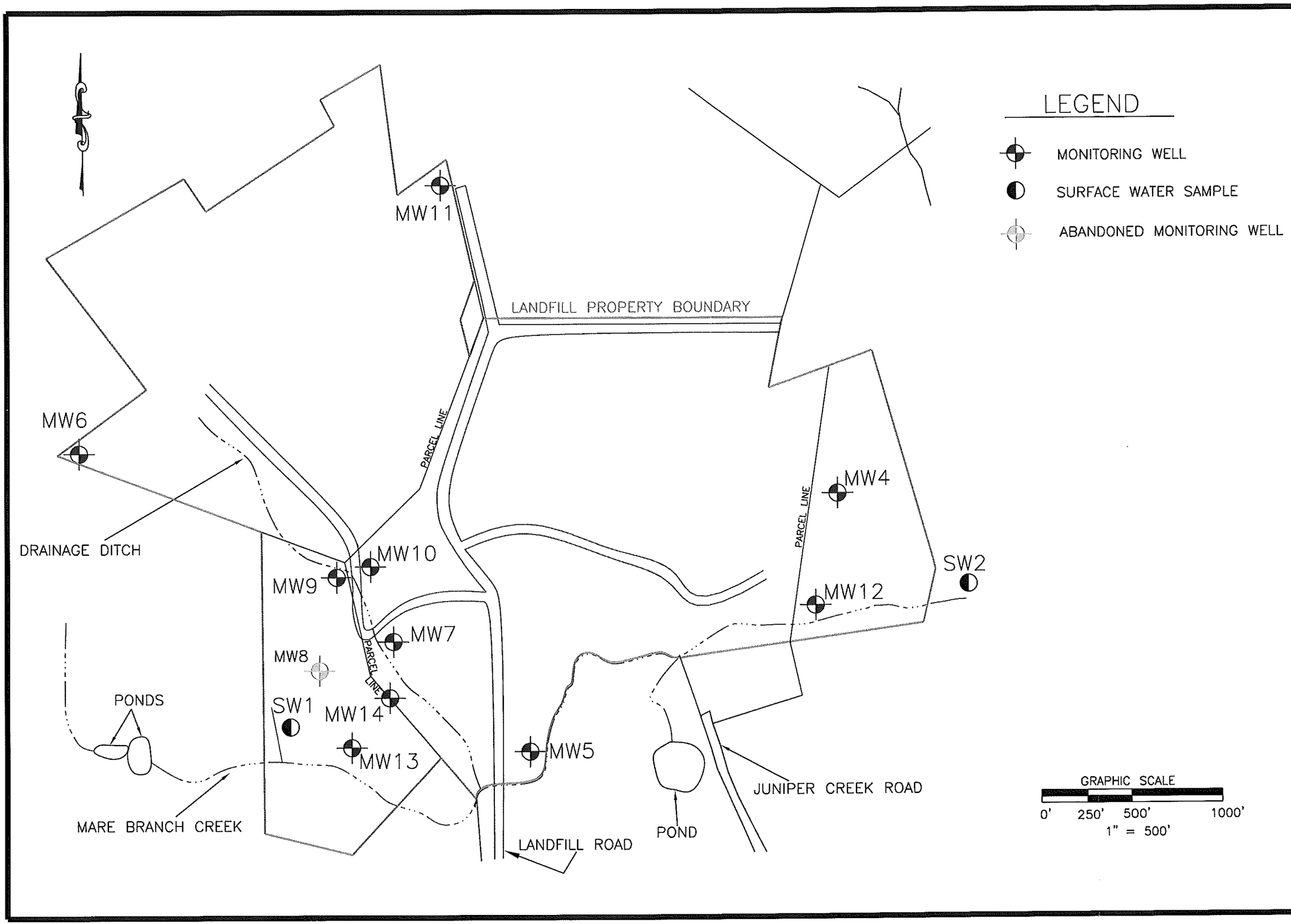
SITE LOCATION MAP

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



SITE LAYOUT MAP
LEE COUNTY LANDFILL

LEE COUNTY PUBLIC WORKS DEPARTMENT — SANFORD, NC

PROJECT NO: 02296	CHECKED BY: MJB/JRG	FIGURE NO.	2
SCALE: 1" = 500'	DRAWN BY: JRG/RDK	DATE:	1/9/08

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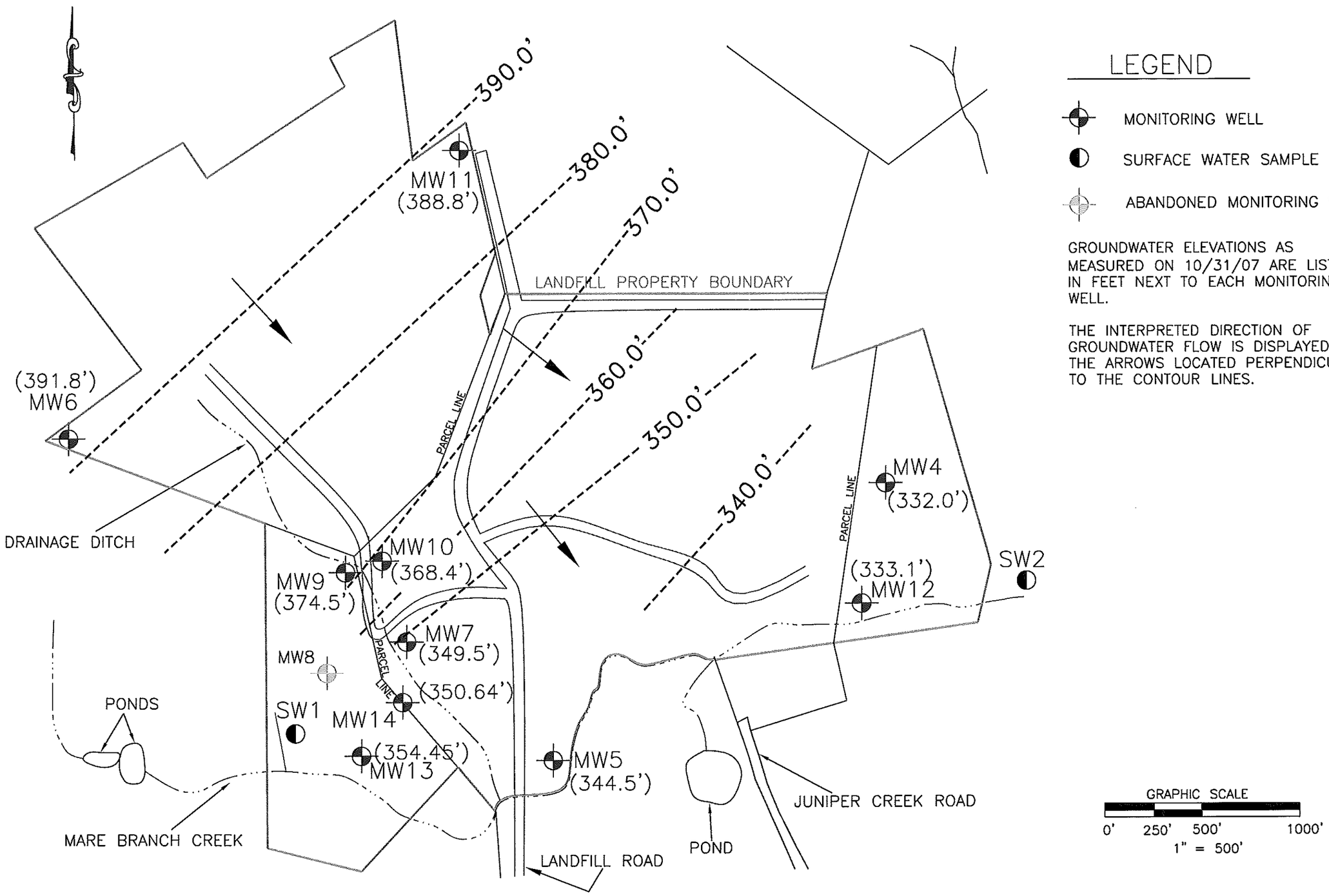


LEGEND

- MONITORING WELL
- SURFACE WATER SAMPLE
- ABANDONED MONITORING WELL

GROUNDWATER ELEVATIONS AS MEASURED ON 10/31/07 ARE LISTED IN FEET NEXT TO EACH MONITORING WELL.

THE INTERPRETED DIRECTION OF GROUNDWATER FLOW IS DISPLAYED BY THE ARROWS LOCATED PERPENDICULAR TO THE CONTOUR LINES.

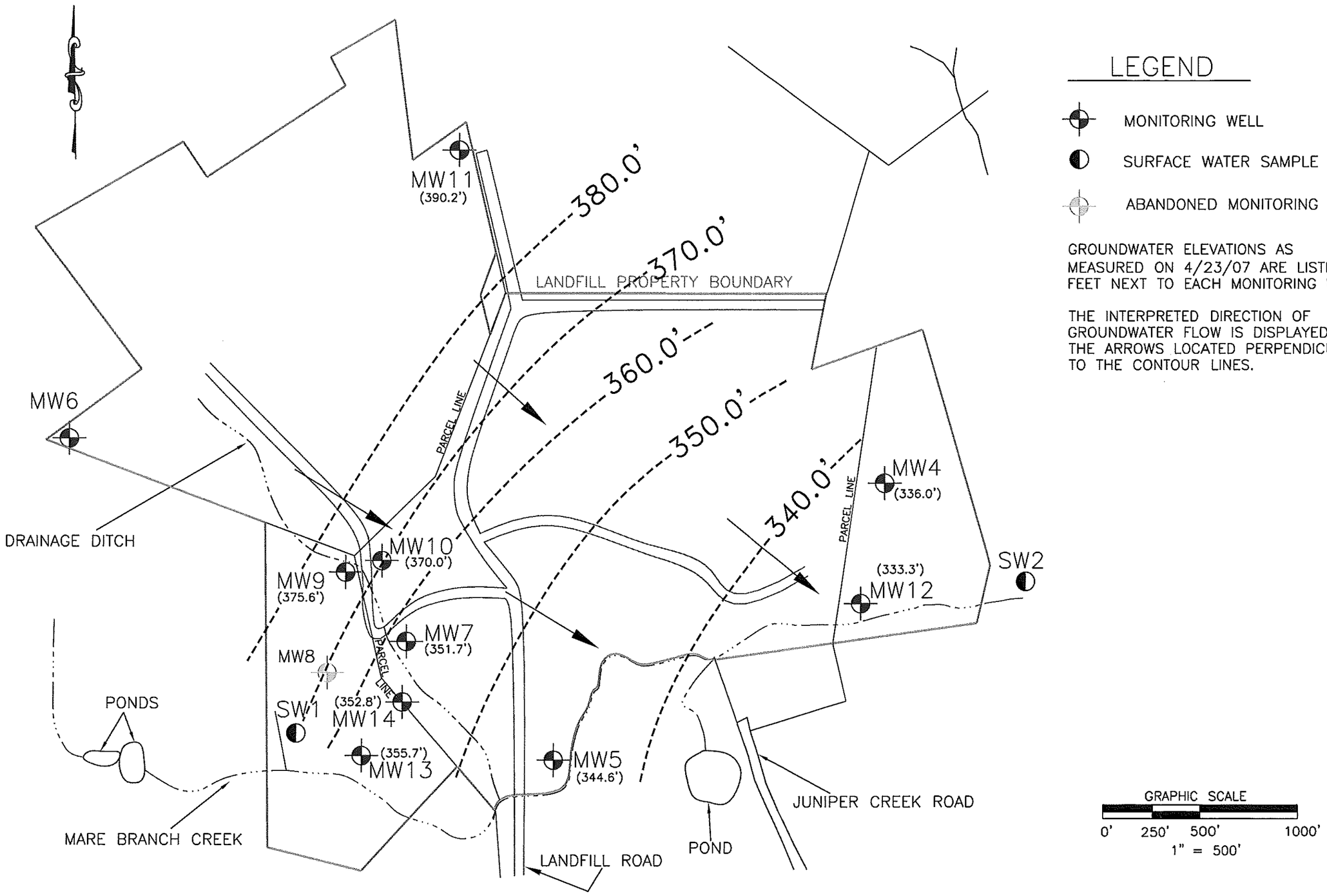
POTENTIOMETRIC SURFACE MAP (10/31/07)

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:	1/9/08

TERRAquest ENVIRONMENTAL CONSULTANTS, P.C.



LEGEND

- MONITORING WELL
- SURFACE WATER SAMPLE
- ABANDONED MONITORING WELL

GROUNDWATER ELEVATIONS AS MEASURED ON 4/23/07 ARE LISTED IN FEET NEXT TO EACH MONITORING WELL.

THE INTERPRETED DIRECTION OF GROUNDWATER FLOW IS DISPLAYED BY THE ARROWS LOCATED PERPENDICULAR TO THE CONTOUR LINES.

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.	4
SCALE: 1" = 500'	DRAWN BY: JRG/RDK	DATE:	1/9/08

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Est. 1970

Mr. Ryan Kerins
TerraQuest Environmental Consultants PC
100 East Ruffin Street

Mebane, NC 27302

Report Summary

Friday November 09, 2007

Report Number: L317799
Samples Received: 11/02/07
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.

Entire Report 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

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-01

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW5

Collected By : Wes Sorrells
Collection Date : 10/31/07 14:35

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	260	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	1.9	0.70	5.0	ug/l	J	6010B	11/02/07	1
Chromium	U	2.3	10.	ug/l		6010B	11/02/07	1
Lead	48.	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/05/07	1
Acrolein	U	14.	50.	ug/l	J3	8260B	11/05/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/05/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/05/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/05/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/05/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/05/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/05/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/05/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/05/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/05/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/05/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/05/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/05/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/05/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/05/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/05/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/05/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/05/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/05/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/05/07	1
cis-1,2-Dichloroethene	0.72	0.38	1.0	ug/l	J	8260B	11/05/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/05/07	1

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

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-01

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW5

Collected By : Wes Sorrells
Collection Date : 10/31/07 14:35

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/05/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/05/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/05/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/05/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/05/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/05/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/05/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/05/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/05/07	1
Methylene Chloride	U	0.30	5.0	ug/l		8260B	11/05/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/05/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/05/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/05/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/05/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/05/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/05/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/05/07	1
Trichloroethene	0.93	0.37	1.0	ug/l	J	8260B	11/05/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/05/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/05/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/05/07	1
Dibromofluoromethane	99.2			% Rec.		8260B	11/05/07	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/05/07	1

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

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW6

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:55

ESC Sample # : L317799-02

Site ID :

Project # : 02296

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	56.	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	11/02/07	1
Chromium	2.6	2.3	10.	ug/l	J	6010B	11/02/07	1
Lead	U	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/05/07	1
Acrolein	U	14.	50.	ug/l	J3	8260B	11/05/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/05/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/05/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/05/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/05/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/05/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/05/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/05/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/05/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/05/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/05/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/05/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/05/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/05/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/05/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/05/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/05/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/05/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/05/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/05/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/05/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/05/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-02

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW6

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:55

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/05/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/05/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/05/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/05/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/05/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/05/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/05/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/05/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/05/07	1
Methylene Chloride	U	0.30	5.0	ug/l		8260B	11/05/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/05/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/05/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/05/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/05/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/05/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/05/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/05/07	1
Trichloroethene	0.48	0.37	1.0	ug/l	J	8260B	11/05/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/05/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/05/07	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/05/07	1
Dibromofluoromethane	102.			% Rec.		8260B	11/05/07	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/05/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-03

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW9

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:30

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	76.	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	11/02/07	1
Chromium	U	2.3	10.	ug/l		6010B	11/02/07	1
Lead	6.8	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/05/07	1
Acrolein	U	14.	50.	ug/l		8260B	11/05/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/05/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/05/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/05/07	1
Bromomethane	U	0.89	5.0	ug/l	J4	8260B	11/05/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/05/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/05/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/05/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/05/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/05/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/05/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/05/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/05/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/05/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/05/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/05/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/05/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/05/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/05/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/05/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/05/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/05/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/05/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

Date Received : November 02, 2007
Description : Lee County Landfill

ESC Sample # : L317799-03

Sample ID : MW9

Site ID :

Project # : 02296

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:30

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/05/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/05/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/05/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/05/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/05/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/05/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/05/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/05/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/05/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/05/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/05/07	1
Methylene Chloride	U	0.30	5.0	ug/l		8260B	11/05/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/05/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/05/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/05/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/05/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/05/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/05/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/05/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/05/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/05/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/05/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/05/07	1
Trichloroethene	U	0.37	1.0	ug/l		8260B	11/05/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/05/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/05/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/05/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/05/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/05/07	1
Surrogate Recovery								
Toluene-d8	106.			% Rec.		8260B	11/05/07	1
Dibromofluoromethane	106.			% Rec.		8260B	11/05/07	1
4-Bromofluorobenzene	103.			% Rec.		8260B	11/05/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-04

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW12

Collected By : Wes Sorrells
Collection Date : 10/31/07 14:06

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	1400	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	1.0	0.70	5.0	ug/l	J	6010B	11/02/07	1
Chromium	U	2.3	10.	ug/l		6010B	11/02/07	1
Lead	5.8	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	33.	9.2	20.	ug/l		6010B	11/02/07	1
Silver	3.2	2.5	10.	ug/l	J	6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/07/07	1
Acrolein	U	14.	50.	ug/l		8260B	11/07/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/07/07	1
Benzene	3.7	0.29	1.0	ug/l		8260B	11/07/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/07/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/07/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/07/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/07/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/07/07	1
Chlorobenzene	10.	0.26	1.0	ug/l		8260B	11/07/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/07/07	1
Chloroethane	160	0.86	5.0	ug/l		8260B	11/07/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/07/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/07/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/07/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/07/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/07/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/07/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/07/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/07/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
1,4-Dichlorobenzene	3.3	0.30	1.0	ug/l		8260B	11/07/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethane	35.	0.31	1.0	ug/l		8260B	11/07/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/07/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/07/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/07/07	1

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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-04

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW12

Collected By : Wes Sorrells
Collection Date : 10/31/07 14:06

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/07/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/07/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/07/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/07/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/07/07	1
Di-isopropyl ether	0.36	0.25	1.0	ug/l	J	8260B	11/07/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/07/07	1
Isopropylbenzene	2.3	0.19	1.0	ug/l		8260B	11/07/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/07/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/07/07	1
Methylene Chloride	2.5	0.30	5.0	ug/l	J	8260B	11/07/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/07/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/07/07	1
Naphthalene	0.96	0.17	5.0	ug/l	J	8260B	11/07/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/07/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/07/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/07/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Toluene	0.50	0.27	5.0	ug/l	J	8260B	11/07/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/07/07	1
Trichloroethene	U	0.37	1.0	ug/l		8260B	11/07/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/07/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/07/07	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/07/07	1
Dibromofluoromethane	122.			% Rec.		8260B	11/07/07	1
4-Bromofluorobenzene	89.8			% Rec.		8260B	11/07/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

Date Received : November 02, 2007
Description : Lee County Landfill

ESC Sample # : L317799-05

Sample ID : MW13

Site ID :

Project # : 02296

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:12

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	160	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	11/02/07	1
Chromium	3.3	2.3	10.	ug/l	J	6010B	11/02/07	1
Lead	4.1	2.4	5.0	ug/l	J	6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/07/07	1
Acrolein	U	14.	50.	ug/l		8260B	11/07/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/07/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/07/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/07/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/07/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/07/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/07/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/07/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/07/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/07/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/07/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/07/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/07/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/07/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/07/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/07/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/07/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/07/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/07/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/07/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/07/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/07/07	1

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

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-05

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW13

Collected By : Wes Sorrells
Collection Date : 10/31/07 12:12

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/07/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/07/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/07/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/07/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/07/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/07/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/07/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/07/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/07/07	1
Methylene Chloride	1.4	0.30	5.0	ug/l	J	8260B	11/07/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/07/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/07/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/07/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/07/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/07/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/07/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/07/07	1
Trichloroethene	U	0.37	1.0	ug/l		8260B	11/07/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/07/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/07/07	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	11/07/07	1
Dibromofluoromethane	123.			% Rec.		8260B	11/07/07	1
4-Bromofluorobenzene	78.8			% Rec.	J2	8260B	11/07/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-06

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW14

Collected By : Wes Sorrells
Collection Date : 10/31/07 11:55

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	180	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	11/02/07	1
Chromium	9.6	2.3	10.	ug/l	J	6010B	11/02/07	1
Lead	42.	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/07/07	1
Acrolein	U	14.	50.	ug/l		8260B	11/07/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/07/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/07/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/07/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/07/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/07/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/07/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/07/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/07/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/07/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/07/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/07/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/07/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/07/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/07/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/07/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/07/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/07/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/07/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/07/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/07/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/07/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : MW14

Collected By : Wes Sorrells
Collection Date : 10/31/07 11:55

ESC Sample # : L317799-06

Site ID :

Project # : 02296

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/07/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/07/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/07/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l		8260B	11/07/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/07/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/07/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/07/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/07/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/07/07	1
Methylene Chloride	1.8	0.30	5.0	ug/l	J	8260B	11/07/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/07/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/07/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/07/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/07/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/07/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/07/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/07/07	1
Trichloroethene	U	0.37	1.0	ug/l		8260B	11/07/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/07/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/07/07	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	11/07/07	1
Dibromofluoromethane	119.			% Rec.		8260B	11/07/07	1
4-Bromofluorobenzene	85.8			% Rec.		8260B	11/07/07	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
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-07

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : SW2

Collected By : Wes Sorrells
Collection Date : 10/31/07 15:00

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Mercury	U	0.044	0.20	ug/l		7470A	11/05/07	1
Arsenic	U	7.9	20.	ug/l		6010B	11/02/07	1
Barium	120	1.0	5.0	ug/l		6010B	11/02/07	1
Cadmium	U	0.70	5.0	ug/l		6010B	11/02/07	1
Chromium	U	2.3	10.	ug/l		6010B	11/02/07	1
Lead	U	2.4	5.0	ug/l		6010B	11/02/07	1
Selenium	U	9.2	20.	ug/l		6010B	11/02/07	1
Silver	U	2.5	10.	ug/l		6010B	11/02/07	1
Volatile Organics								
Acetone	U	8.9	50.	ug/l		8260B	11/07/07	1
Acrolein	U	14.	50.	ug/l		8260B	11/07/07	1
Acrylonitrile	U	1.7	10.	ug/l		8260B	11/07/07	1
Benzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Bromobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
Bromodichloromethane	U	0.37	1.0	ug/l		8260B	11/07/07	1
Bromoform	U	0.51	1.0	ug/l		8260B	11/07/07	1
Bromomethane	U	0.89	5.0	ug/l		8260B	11/07/07	1
n-Butylbenzene	U	0.23	1.0	ug/l		8260B	11/07/07	1
sec-Butylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
tert-Butylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Carbon tetrachloride	U	0.31	1.0	ug/l		8260B	11/07/07	1
Chlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
Chlorodibromomethane	U	0.42	1.0	ug/l		8260B	11/07/07	1
Chloroethane	U	0.86	5.0	ug/l		8260B	11/07/07	1
2-Chloroethyl vinyl ether	U	1.4	50.	ug/l		8260B	11/07/07	1
Chloroform	U	0.33	5.0	ug/l		8260B	11/07/07	1
Chloromethane	U	0.25	2.5	ug/l		8260B	11/07/07	1
2-Chlorotoluene	U	0.22	1.0	ug/l		8260B	11/07/07	1
4-Chlorotoluene	U	0.16	1.0	ug/l		8260B	11/07/07	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l		8260B	11/07/07	1
1,2-Dibromoethane	U	0.48	1.0	ug/l		8260B	11/07/07	1
Dibromomethane	U	0.28	1.0	ug/l		8260B	11/07/07	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l		8260B	11/07/07	1
1,3-Dichlorobenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
1,4-Dichlorobenzene	U	0.30	1.0	ug/l		8260B	11/07/07	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethane	U	0.31	1.0	ug/l		8260B	11/07/07	1
1,2-Dichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloroethene	U	0.50	1.0	ug/l		8260B	11/07/07	1
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l		8260B	11/07/07	1
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l		8260B	11/07/07	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Mr. Ryan Kerins
TerraQuest Environmental Consultant
100 East Ruffin Street
Mebane, NC 27302

November 09, 2007

ESC Sample # : L317799-07

Site ID :

Project # : 02296

Date Received : November 02, 2007
Description : Lee County Landfill

Sample ID : SW2

Collected By : Wes Sorrells
Collection Date : 10/31/07 15:00

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
1,2-Dichloropropane	U	0.52	1.0	ug/l		8260B	11/07/07	1
1,1-Dichloropropene	U	0.22	1.0	ug/l		8260B	11/07/07	1
1,3-Dichloropropane	U	0.23	1.0	ug/l		8260B	11/07/07	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l		8260B	11/07/07	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	J4	8260B	11/07/07	1
2,2-Dichloropropane	U	0.25	1.0	ug/l		8260B	11/07/07	1
Di-isopropyl ether	U	0.25	1.0	ug/l		8260B	11/07/07	1
Ethylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Hexachlorobutadiene	U	0.49	1.0	ug/l		8260B	11/07/07	1
Isopropylbenzene	U	0.19	1.0	ug/l		8260B	11/07/07	1
p-Isopropyltoluene	U	0.21	1.0	ug/l		8260B	11/07/07	1
2-Butanone (MEK)	U	4.5	10.	ug/l		8260B	11/07/07	1
Methylene Chloride	1.6	0.30	5.0	ug/l	J	8260B	11/07/07	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l		8260B	11/07/07	1
Methyl tert-butyl ether	U	0.19	1.0	ug/l		8260B	11/07/07	1
Naphthalene	U	0.17	5.0	ug/l		8260B	11/07/07	1
n-Propylbenzene	U	0.22	1.0	ug/l		8260B	11/07/07	1
Styrene	U	0.38	1.0	ug/l		8260B	11/07/07	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l		8260B	11/07/07	1
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l		8260B	11/07/07	1
Tetrachloroethene	U	0.29	1.0	ug/l		8260B	11/07/07	1
Toluene	U	0.27	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichlorobenzene	U	0.24	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l		8260B	11/07/07	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l		8260B	11/07/07	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l		8260B	11/07/07	1
Trichloroethene	U	0.37	1.0	ug/l		8260B	11/07/07	1
Trichlorofluoromethane	U	0.29	5.0	ug/l		8260B	11/07/07	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l		8260B	11/07/07	1
1,2,4-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
1,3,5-Trimethylbenzene	U	0.20	1.0	ug/l		8260B	11/07/07	1
Vinyl chloride	U	0.27	1.0	ug/l		8260B	11/07/07	1
Xylenes, Total	U	0.86	3.0	ug/l		8260B	11/07/07	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	11/07/07	1
Dibromofluoromethane	119.			% Rec.		8260B	11/07/07	1
4-Bromofluorobenzene	80.4			% Rec.		8260B	11/07/07	1

U = ND (Not Detected)
RDL = Reported Detection Limit = LOQ = PQL = EQL
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 11/09/07 13:12 Printed: 11/09/07 14:18

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L317799-01	Acrolein	J3
	cis-1,2-Dichloroethene	J
	Trichloroethene	J
	Cadmium	J
L317799-02	Acrolein	J3
	Trichloroethene	J
	Chromium	J
L317799-03	Bromomethane	J4
L317799-04	Di-isopropyl ether	J
	Methylene Chloride	J
	Naphthalene	J
	Toluene	J
	Cadmium	J
	Silver	J
L317799-05	Methylene Chloride	J
	4-Bromofluorobenzene	J2
	Chromium	J
	Lead	J
L317799-06	Methylene Chloride	J
	Chromium	J
L317799-07	trans-1,3-Dichloropropene	J4
	Methylene Chloride	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

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

Definitions

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

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

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

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

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

Summary of Remarks For Samples Printed
11/09/07 at 14:18:49

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: L317799-01 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-02 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-03 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-04 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-05 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-06 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

Sample: L317799-07 Account: TURENV Received: 11/02/07 09:00 Due Date: 11/09/07 00:00 RPT Date: 11/09/07 13:12

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Mr. Ryan Kerins
100 East Ruffin Street

Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Arsenic	< .02	mg/l	11/02/07 20:02	WG328600
Barium	< .005	mg/l	11/02/07 20:02	WG328600
Cadmium	< .005	mg/l	11/02/07 20:02	WG328600
Chromium	< .01	mg/l	11/02/07 20:02	WG328600
Lead	< .005	mg/l	11/02/07 20:02	WG328600
Selenium	< .02	mg/l	11/02/07 20:02	WG328600
Silver	< .01	mg/l	11/02/07 20:02	WG328600
1,1,1,2-Tetrachloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,1,1-Trichloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,1,2,2-Tetrachloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,1,2-Trichloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,1-Dichloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,1-Dichloroethene	< .001	mg/l	11/05/07 03:39	WG328842
1,1-Dichloropropene	< .001	mg/l	11/05/07 03:39	WG328842
1,2,3-Trichlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,2,3-Trichloropropane	< .001	mg/l	11/05/07 03:39	WG328842
1,2,4-Trichlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,2,4-Trimethylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,2-Dibromo-3-Chloropropane	< .005	mg/l	11/05/07 03:39	WG328842
1,2-Dibromoethane	< .001	mg/l	11/05/07 03:39	WG328842
1,2-Dichlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,2-Dichloroethane	< .001	mg/l	11/05/07 03:39	WG328842
1,2-Dichloropropane	< .001	mg/l	11/05/07 03:39	WG328842
1,3,5-Trimethylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,3-Dichlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
1,3-Dichloropropane	< .001	mg/l	11/05/07 03:39	WG328842
1,4-Dichlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
2,2-Dichloropropane	< .001	mg/l	11/05/07 03:39	WG328842
2-Butanone (MEK)	< .01	mg/l	11/05/07 03:39	WG328842
2-Chloroethyl vinyl ether	< .05	mg/l	11/05/07 03:39	WG328842
2-Chlorotoluene	< .001	mg/l	11/05/07 03:39	WG328842
4-Chlorotoluene	< .001	mg/l	11/05/07 03:39	WG328842
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	11/05/07 03:39	WG328842
Acetone	< .05	mg/l	11/05/07 03:39	WG328842
Acrolein	< .05	mg/l	11/05/07 03:39	WG328842
Acrylonitrile	< .01	mg/l	11/05/07 03:39	WG328842
Benzene	< .001	mg/l	11/05/07 03:39	WG328842
Bromobenzene	< .001	mg/l	11/05/07 03:39	WG328842
Bromodichloromethane	< .001	mg/l	11/05/07 03:39	WG328842
Bromoform	< .001	mg/l	11/05/07 03:39	WG328842
Bromomethane	< .005	mg/l	11/05/07 03:39	WG328842
Carbon tetrachloride	< .001	mg/l	11/05/07 03:39	WG328842
Chlorobenzene	< .001	mg/l	11/05/07 03:39	WG328842
Chlorodibromomethane	< .001	mg/l	11/05/07 03:39	WG328842
Chloroethane	< .001	mg/l	11/05/07 03:39	WG328842
Chloroform	< .005	mg/l	11/05/07 03:39	WG328842
Chloromethane	< .0025	mg/l	11/05/07 03:39	WG328842
cis-1,2-Dichloroethene	< .001	mg/l	11/05/07 03:39	WG328842
cis-1,3-Dichloropropene	< .001	mg/l	11/05/07 03:39	WG328842
Di-isopropyl ether	< .001	mg/l	11/05/07 03:39	WG328842
Dibromomethane	< .001	mg/l	11/05/07 03:39	WG328842
Dichlorodifluoromethane	< .005	mg/l	11/05/07 03:39	WG328842
Ethylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
Hexachlorobutadiene	< .001	mg/l	11/05/07 03:39	WG328842
Isopropylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
Methyl tert-butyl ether	< .001	mg/l	11/05/07 03:39	WG328842
Methylene Chloride	< .005	mg/l	11/05/07 03:39	WG328842
n-Butylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
n-Propylbenzene	< .001	mg/l	11/05/07 03:39	WG328842

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Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

Naphthalene	<.005	mg/l	11/05/07 03:39	WG328842

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
p-Isopropyltoluene	< .001	mg/l	11/05/07 03:39	WG328842
sec-Butylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
Styrene	< .001	mg/l	11/05/07 03:39	WG328842
tert-Butylbenzene	< .001	mg/l	11/05/07 03:39	WG328842
Tetrachloroethene	< .001	mg/l	11/05/07 03:39	WG328842
Toluene	< .005	mg/l	11/05/07 03:39	WG328842
trans-1,2-Dichloroethene	< .001	mg/l	11/05/07 03:39	WG328842
trans-1,3-Dichloropropene	< .001	mg/l	11/05/07 03:39	WG328842
Trichloroethene	< .001	mg/l	11/05/07 03:39	WG328842
Trichlorofluoromethane	< .005	mg/l	11/05/07 03:39	WG328842
Vinyl chloride	< .001	mg/l	11/05/07 03:39	WG328842
Xylenes, Total	< .003	mg/l	11/05/07 03:39	WG328842
Mercury	< .0002	mg/l	11/05/07 23:11	WG328895
1,1,1,2-Tetrachloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,1,1-Trichloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,1,2,2-Tetrachloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,1,2-Trichloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,1-Dichloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,1-Dichloroethene	< .001	mg/l	11/05/07 14:12	WG328954
1,1-Dichloropropene	< .001	mg/l	11/05/07 14:12	WG328954
1,2,3-Trichlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,2,3-Trichloropropane	< .001	mg/l	11/05/07 14:12	WG328954
1,2,4-Trichlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,2,4-Trimethylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,2-Dibromo-3-Chloropropane	< .005	mg/l	11/05/07 14:12	WG328954
1,2-Dibromoethane	< .001	mg/l	11/05/07 14:12	WG328954
1,2-Dichlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,2-Dichloroethane	< .001	mg/l	11/05/07 14:12	WG328954
1,2-Dichloropropane	< .001	mg/l	11/05/07 14:12	WG328954
1,3,5-Trimethylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,3-Dichlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
1,3-Dichloropropane	< .001	mg/l	11/05/07 14:12	WG328954
1,4-Dichlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
2,2-Dichloropropane	< .001	mg/l	11/05/07 14:12	WG328954
2-Butanone (MEK)	< .01	mg/l	11/05/07 14:12	WG328954
2-Chloroethyl vinyl ether	< .05	mg/l	11/05/07 14:12	WG328954
2-Chlorotoluene	< .001	mg/l	11/05/07 14:12	WG328954
4-Chlorotoluene	< .001	mg/l	11/05/07 14:12	WG328954
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	11/05/07 14:12	WG328954
Acetone	< .05	mg/l	11/05/07 14:12	WG328954
Acrolein	< .05	mg/l	11/05/07 14:12	WG328954
Acrylonitrile	< .01	mg/l	11/05/07 14:12	WG328954
Benzene	< .001	mg/l	11/05/07 14:12	WG328954
Bromobenzene	< .001	mg/l	11/05/07 14:12	WG328954
Bromodichloromethane	< .001	mg/l	11/05/07 14:12	WG328954
Bromoform	< .001	mg/l	11/05/07 14:12	WG328954
Bromomethane	< .005	mg/l	11/05/07 14:12	WG328954
Carbon tetrachloride	< .001	mg/l	11/05/07 14:12	WG328954
Chlorobenzene	< .001	mg/l	11/05/07 14:12	WG328954
Chlorodibromomethane	< .001	mg/l	11/05/07 14:12	WG328954
Chloroethane	< .001	mg/l	11/05/07 14:12	WG328954
Chloroform	< .005	mg/l	11/05/07 14:12	WG328954
Chloromethane	< .0025	mg/l	11/05/07 14:12	WG328954
cis-1,2-Dichloroethene	< .001	mg/l	11/05/07 14:12	WG328954
cis-1,3-Dichloropropene	< .001	mg/l	11/05/07 14:12	WG328954
Di-isopropyl ether	< .001	mg/l	11/05/07 14:12	WG328954
Dibromomethane	< .001	mg/l	11/05/07 14:12	WG328954

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November 09, 2007

Dichlorodifluoromethane	< .005	mg/l	11/05/07 14:12	WG328954

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Ethylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
Hexachlorobutadiene	< .001	mg/l	11/05/07 14:12	WG328954
Isopropylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
Methyl tert-butyl ether	< .001	mg/l	11/05/07 14:12	WG328954
Methylene Chloride	< .005	mg/l	11/05/07 14:12	WG328954
n-Butylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
n-Propylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
Naphthalene	< .005	mg/l	11/05/07 14:12	WG328954
p-Isopropyltoluene	< .001	mg/l	11/05/07 14:12	WG328954
sec-Butylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
Styrene	< .001	mg/l	11/05/07 14:12	WG328954
tert-Butylbenzene	< .001	mg/l	11/05/07 14:12	WG328954
Tetrachloroethene	< .001	mg/l	11/05/07 14:12	WG328954
Toluene	< .005	mg/l	11/05/07 14:12	WG328954
trans-1,2-Dichloroethene	< .001	mg/l	11/05/07 14:12	WG328954
trans-1,3-Dichloropropene	< .001	mg/l	11/05/07 14:12	WG328954
Trichloroethene	< .001	mg/l	11/05/07 14:12	WG328954
Trichlorofluoromethane	< .005	mg/l	11/05/07 14:12	WG328954
Vinyl chloride	< .001	mg/l	11/05/07 14:12	WG328954
Xylenes, Total	< .003	mg/l	11/05/07 14:12	WG328954
1,1,1,2-Tetrachloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,1,1-Trichloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,1,2,2-Tetrachloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,1,2-Trichloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,1-Dichloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,1-Dichloroethene	< .001	mg/l	11/07/07 05:25	WG329109
1,1-Dichloropropene	< .001	mg/l	11/07/07 05:25	WG329109
1,2,3-Trichlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,2,3-Trichloropropane	< .001	mg/l	11/07/07 05:25	WG329109
1,2,4-Trichlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,2,4-Trimethylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,2-Dibromo-3-Chloropropane	< .002	mg/l	11/07/07 05:25	WG329109
1,2-Dibromoethane	< .001	mg/l	11/07/07 05:25	WG329109
1,2-Dichlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,2-Dichloroethane	< .001	mg/l	11/07/07 05:25	WG329109
1,2-Dichloropropane	< .001	mg/l	11/07/07 05:25	WG329109
1,3,5-Trimethylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,3-Dichlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
1,3-Dichloropropane	< .001	mg/l	11/07/07 05:25	WG329109
1,4-Dichlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
2,2-Dichloropropane	< .001	mg/l	11/07/07 05:25	WG329109
2-Butanone (MEK)	< .01	mg/l	11/07/07 05:25	WG329109
2-Chloroethyl vinyl ether	< .05	mg/l	11/07/07 05:25	WG329109
2-Chlorotoluene	< .001	mg/l	11/07/07 05:25	WG329109
4-Chlorotoluene	< .001	mg/l	11/07/07 05:25	WG329109
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	11/07/07 05:25	WG329109
Acetone	< .05	mg/l	11/07/07 05:25	WG329109
Acrolein	< .05	mg/l	11/07/07 05:25	WG329109
Acrylonitrile	< .01	mg/l	11/07/07 05:25	WG329109
Benzene	< .001	mg/l	11/07/07 05:25	WG329109
Bromobenzene	< .001	mg/l	11/07/07 05:25	WG329109
Bromodichloromethane	< .001	mg/l	11/07/07 05:25	WG329109
Bromoform	< .001	mg/l	11/07/07 05:25	WG329109
Bromomethane	< .005	mg/l	11/07/07 05:25	WG329109
Carbon tetrachloride	< .001	mg/l	11/07/07 05:25	WG329109
Chlorobenzene	< .001	mg/l	11/07/07 05:25	WG329109
Chlorodibromomethane	< .001	mg/l	11/07/07 05:25	WG329109
Chloroethane	< .005	mg/l	11/07/07 05:25	WG329109

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TerraQuest Environmental Consultants PC
Mr. Ryan Kerins
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Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

Chloroform	< .005	mg/l	11/07/07 05:25	WG329109

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Chloromethane	< .0025	mg/l	11/07/07 05:25	WG329109
cis-1,2-Dichloroethene	< .001	mg/l	11/07/07 05:25	WG329109
cis-1,3-Dichloropropene	< .001	mg/l	11/07/07 05:25	WG329109
Di-isopropyl ether	< .001	mg/l	11/07/07 05:25	WG329109
Dibromomethane	< .001	mg/l	11/07/07 05:25	WG329109
Dichlorodifluoromethane	< .005	mg/l	11/07/07 05:25	WG329109
Ethylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
Hexachlorobutadiene	< .001	mg/l	11/07/07 05:25	WG329109
Isopropylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
Methyl tert-butyl ether	< .001	mg/l	11/07/07 05:25	WG329109
Methylene Chloride	< .005	mg/l	11/07/07 05:25	WG329109
n-Butylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
n-Propylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
Naphthalene	< .005	mg/l	11/07/07 05:25	WG329109
p-Isopropyltoluene	< .001	mg/l	11/07/07 05:25	WG329109
sec-Butylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
Styrene	< .001	mg/l	11/07/07 05:25	WG329109
tert-Butylbenzene	< .001	mg/l	11/07/07 05:25	WG329109
Tetrachloroethene	< .001	mg/l	11/07/07 05:25	WG329109
Toluene	< .005	mg/l	11/07/07 05:25	WG329109
trans-1,2-Dichloroethene	< .001	mg/l	11/07/07 05:25	WG329109
trans-1,3-Dichloropropene	< .001	mg/l	11/07/07 05:25	WG329109
Trichloroethene	< .001	mg/l	11/07/07 05:25	WG329109
Trichlorofluoromethane	< .005	mg/l	11/07/07 05:25	WG329109
Vinyl chloride	< .001	mg/l	11/07/07 05:25	WG329109
Xylenes, Total	< .003	mg/l	11/07/07 05:25	WG329109
1,1,1,2-Tetrachloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,1,1-Trichloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,1,2,2-Tetrachloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,1,2-Trichloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,1-Dichloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,1-Dichloroethene	< .001	mg/l	11/07/07 14:34	WG329330
1,1-Dichloropropene	< .001	mg/l	11/07/07 14:34	WG329330
1,2,3-Trichlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,2,3-Trichloropropane	< .001	mg/l	11/07/07 14:34	WG329330
1,2,4-Trichlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,2,4-Trimethylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,2-Dibromo-3-Chloropropane	< .005	mg/l	11/07/07 14:34	WG329330
1,2-Dibromoethane	< .001	mg/l	11/07/07 14:34	WG329330
1,2-Dichlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,2-Dichloroethane	< .001	mg/l	11/07/07 14:34	WG329330
1,2-Dichloropropane	< .001	mg/l	11/07/07 14:34	WG329330
1,3,5-Trimethylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,3-Dichlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
1,3-Dichloropropane	< .001	mg/l	11/07/07 14:34	WG329330
1,4-Dichlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
2,2-Dichloropropane	< .001	mg/l	11/07/07 14:34	WG329330
2-Butanone (MEK)	< .01	mg/l	11/07/07 14:34	WG329330
2-Chloroethyl vinyl ether	< .05	mg/l	11/07/07 14:34	WG329330
2-Chlorotoluene	< .001	mg/l	11/07/07 14:34	WG329330
4-Chlorotoluene	< .001	mg/l	11/07/07 14:34	WG329330
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	11/07/07 14:34	WG329330
Acetone	< .05	mg/l	11/07/07 14:34	WG329330
Acrolein	< .05	mg/l	11/07/07 14:34	WG329330
Acrylonitrile	< .01	mg/l	11/07/07 14:34	WG329330
Benzene	< .001	mg/l	11/07/07 14:34	WG329330
Bromobenzene	< .001	mg/l	11/07/07 14:34	WG329330
Bromodichloromethane	< .001	mg/l	11/07/07 14:34	WG329330

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Bromoform	< .001	mg/l	11/07/07 14:34	WG329330

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Bromomethane	< .005	mg/l	11/07/07 14:34	WG329330
Carbon tetrachloride	< .001	mg/l	11/07/07 14:34	WG329330
Chlorobenzene	< .001	mg/l	11/07/07 14:34	WG329330
Chlorodibromomethane	< .001	mg/l	11/07/07 14:34	WG329330
Chloroethane	< .001	mg/l	11/07/07 14:34	WG329330
Chloroform	< .005	mg/l	11/07/07 14:34	WG329330
Chloromethane	< .0025	mg/l	11/07/07 14:34	WG329330
cis-1,2-Dichloroethene	< .001	mg/l	11/07/07 14:34	WG329330
cis-1,3-Dichloropropene	< .001	mg/l	11/07/07 14:34	WG329330
Di-isopropyl ether	< .001	mg/l	11/07/07 14:34	WG329330
Dibromomethane	< .001	mg/l	11/07/07 14:34	WG329330
Dichlorodifluoromethane	< .005	mg/l	11/07/07 14:34	WG329330
Ethylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
Hexachlorobutadiene	< .001	mg/l	11/07/07 14:34	WG329330
Isopropylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
Methyl tert-butyl ether	< .001	mg/l	11/07/07 14:34	WG329330
Methylene Chloride	< .005	mg/l	11/07/07 14:34	WG329330
n-Butylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
n-Propylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
Naphthalene	< .005	mg/l	11/07/07 14:34	WG329330
p-Isopropyltoluene	< .001	mg/l	11/07/07 14:34	WG329330
sec-Butylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
Styrene	< .001	mg/l	11/07/07 14:34	WG329330
tert-Butylbenzene	< .001	mg/l	11/07/07 14:34	WG329330
Tetrachloroethene	< .001	mg/l	11/07/07 14:34	WG329330
Toluene	< .005	mg/l	11/07/07 14:34	WG329330
trans-1,2-Dichloroethene	< .001	mg/l	11/07/07 14:34	WG329330
trans-1,3-Dichloropropene	< .001	mg/l	11/07/07 14:34	WG329330
Trichloroethene	< .001	mg/l	11/07/07 14:34	WG329330
Trichlorofluoromethane	< .005	mg/l	11/07/07 14:34	WG329330
Vinyl chloride	< .001	mg/l	11/07/07 14:34	WG329330
Xylenes, Total	< .003	mg/l	11/07/07 14:34	WG329330

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Arsenic	mg/l	0.00	0.00	0.00	20	L317799-02	WG328600
Barium	mg/l	0.0567	0.0560	1.24	20	L317799-02	WG328600
Cadmium	mg/l	0.00	0.00	0.00	20	L317799-02	WG328600
Chromium	mg/l	0.00	0.00260	NA	20	L317799-02	WG328600
Lead	mg/l	0.00	0.00	0.00	20	L317799-02	WG328600
Selenium	mg/l	0.00	0.00	0.00	20	L317799-02	WG328600
Silver	mg/l	0.00	0.00	0.00	20	L317799-02	WG328600
Mercury	mg/l	0.00	0.00	0.00	20	L318062-28	WG328895

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Arsenic	mg/l	1	0.978	97.8	85-115	WG328600
Barium	mg/l	1	0.970	97.0	85-115	WG328600
Cadmium	mg/l	1	0.986	98.6	85-115	WG328600
Chromium	mg/l	1	0.984	98.4	85-115	WG328600
Lead	mg/l	1	1.03	103.	85-115	WG328600
Selenium	mg/l	1	1.07	107.	85-115	WG328600
Silver	mg/l	1	0.951	95.1	85-115	WG328600
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0527	105.	61-134	WG328842
1,1,1-Trichloroethane	mg/l	.05	0.0497	99.3	62-133	WG328842

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1,1,2,2-Tetrachloroethane	mg/l	.05	0.0547	109.	66-124	WG328842

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichloroethane	mg/l	.05	0.0535	107.	62-124	WG328842
1,1-Dichloroethane	mg/l	.05	0.0499	99.8	59-135	WG328842
1,1-Dichloroethene	mg/l	.05	0.0525	105.	68-136	WG328842
1,1-Dichloropropene	mg/l	.05	0.0523	105.	63-125	WG328842
1,2,3-Trichlorobenzene	mg/l	.05	0.0532	106.	57-152	WG328842
1,2,3-Trichloropropane	mg/l	.05	0.0524	105.	62-138	WG328842
1,2,4-Trichlorobenzene	mg/l	.05	0.0543	109.	49-153	WG328842
1,2,4-Trimethylbenzene	mg/l	.05	0.0511	102.	61-128	WG328842
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0560	112.	50-139	WG328842
1,2-Dibromoethane	mg/l	.05	0.0532	106.	70-122	WG328842
1,2-Dichlorobenzene	mg/l	.05	0.0500	100.	54-135	WG328842
1,2-Dichloroethane	mg/l	.05	0.0464	92.7	61-131	WG328842
1,2-Dichloropropane	mg/l	.05	0.0542	108.	64-126	WG328842
1,3,5-Trimethylbenzene	mg/l	.05	0.0511	102.	65-126	WG328842
1,3-Dichlorobenzene	mg/l	.05	0.0531	106.	45-143	WG328842
1,3-Dichloropropane	mg/l	.05	0.0490	98.1	74-118	WG328842
1,4-Dichlorobenzene	mg/l	.05	0.0480	96.0	48-138	WG328842
2,2-Dichloropropane	mg/l	.05	0.0437	87.4	52-140	WG328842
2-Butanone (MEK)	mg/l	.25	0.254	101.	50-132	WG328842
2-Chloroethyl vinyl ether	mg/l	.25	0.205	82.0	36-136	WG328842
2-Chlorotoluene	mg/l	.05	0.0479	95.8	61-134	WG328842
4-Chlorotoluene	mg/l	.05	0.0498	99.6	67-129	WG328842
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.256	102.	47-143	WG328842
Acetone	mg/l	.25	0.267	107.	36-163	WG328842
Acrolein	mg/l	.25	0.230	91.8	27-122	WG328842
Acrylonitrile	mg/l	.25	0.240	95.9	44-130	WG328842
Benzene	mg/l	.05	0.0479	95.8	63-121	WG328842
Bromobenzene	mg/l	.05	0.0511	102.	70-130	WG328842
Bromodichloromethane	mg/l	.05	0.0539	108.	64-127	WG328842
Bromoform	mg/l	.05	0.0486	97.2	60-139	WG328842
Bromomethane	mg/l	.05	0.0568	114.	30-125	WG328842
Carbon tetrachloride	mg/l	.05	0.0560	112.	70-140	WG328842
Chlorobenzene	mg/l	.05	0.0538	108.	70-126	WG328842
Chlorodibromomethane	mg/l	.05	0.0520	104.	62-132	WG328842
Chloroethane	mg/l	.05	0.0523	105.	43-146	WG328842
Chloroform	mg/l	.05	0.0478	95.5	65-121	WG328842
Chloromethane	mg/l	.05	0.0568	114.	45-131	WG328842
cis-1,2-Dichloroethene	mg/l	.05	0.0542	108.	68-123	WG328842
cis-1,3-Dichloropropene	mg/l	.05	0.0496	99.2	66-121	WG328842
Di-isopropyl ether	mg/l	.05	0.0463	92.6	58-127	WG328842
Dibromomethane	mg/l	.05	0.0521	104.	69-119	WG328842
Dichlorodifluoromethane	mg/l	.05	0.0659	132.	24-155	WG328842
Ethylbenzene	mg/l	.05	0.0566	113.	70-121	WG328842
Hexachlorobutadiene	mg/l	.05	0.0522	104.	60-119	WG328842
Isopropylbenzene	mg/l	.05	0.0507	101.	68-128	WG328842
Methyl tert-butyl ether	mg/l	.05	0.0429	85.9	51-137	WG328842
Methylene Chloride	mg/l	.05	0.0490	98.0	53-131	WG328842
n-Butylbenzene	mg/l	.05	0.0494	98.9	59-134	WG328842
n-Propylbenzene	mg/l	.05	0.0479	95.8	68-123	WG328842
Naphthalene	mg/l	.05	0.0542	108.	54-150	WG328842
p-Isopropyltoluene	mg/l	.05	0.0535	107.	64-132	WG328842
sec-Butylbenzene	mg/l	.05	0.0513	103.	67-124	WG328842
Styrene	mg/l	.05	0.0561	112.	68-123	WG328842
tert-Butylbenzene	mg/l	.05	0.0542	108.	65-128	WG328842
Tetrachloroethene	mg/l	.05	0.0545	109.	64-134	WG328842
Toluene	mg/l	.05	0.0483	96.6	65-120	WG328842
trans-1,2-Dichloroethene	mg/l	.05	0.0535	107.	59-138	WG328842
trans-1,3-Dichloropropene	mg/l	.05	0.0535	107.	55-113	WG328842
Trichloroethene	mg/l	.05	0.0535	107.	74-120	WG328842

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Trichlorofluoromethane	mg/l	.05	0.0469	93.8	49-121	WG328842

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Vinyl chloride	mg/l	.05	0.0556	111.	46-133	WG328842
Xylenes, Total	mg/l	.15	0.164	110.	68-124	WG328842
Mercury	mg/l	.003	0.00287	95.7	85-115	WG328895
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0501	100.	61-134	WG328954
1,1,1-Trichloroethane	mg/l	.05	0.0481	96.2	62-133	WG328954
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0501	100.	66-124	WG328954
1,1,2-Trichloroethane	mg/l	.05	0.0502	100.	62-124	WG328954
1,1-Dichloroethane	mg/l	.05	0.0489	97.8	59-135	WG328954
1,1-Dichloroethene	mg/l	.05	0.0504	101.	68-136	WG328954
1,1-Dichloropropene	mg/l	.05	0.0505	101.	63-125	WG328954
1,2,3-Trichlorobenzene	mg/l	.05	0.0501	100.	57-152	WG328954
1,2,3-Trichloropropane	mg/l	.05	0.0494	98.8	62-138	WG328954
1,2,4-Trichlorobenzene	mg/l	.05	0.0516	103.	49-153	WG328954
1,2,4-Trimethylbenzene	mg/l	.05	0.0491	98.1	61-128	WG328954
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0502	100.	50-139	WG328954
1,2-Dibromoethane	mg/l	.05	0.0499	99.7	70-122	WG328954
1,2-Dichlorobenzene	mg/l	.05	0.0475	95.0	54-135	WG328954
1,2-Dichloroethane	mg/l	.05	0.0457	91.4	61-131	WG328954
1,2-Dichloropropane	mg/l	.05	0.0512	102.	64-126	WG328954
1,3,5-Trimethylbenzene	mg/l	.05	0.0490	98.0	65-126	WG328954
1,3-Dichlorobenzene	mg/l	.05	0.0502	100.	45-143	WG328954
1,3-Dichloropropane	mg/l	.05	0.0465	93.1	74-118	WG328954
1,4-Dichlorobenzene	mg/l	.05	0.0464	92.9	48-138	WG328954
2,2-Dichloropropane	mg/l	.05	0.0403	80.7	52-140	WG328954
2-Butanone (MEK)	mg/l	.25	0.232	92.6	50-132	WG328954
2-Chloroethyl vinyl ether	mg/l	.25	0.183	73.3	36-136	WG328954
2-Chlorotoluene	mg/l	.05	0.0460	92.1	61-134	WG328954
4-Chlorotoluene	mg/l	.05	0.0478	95.6	67-129	WG328954
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.237	94.8	47-143	WG328954
Acetone	mg/l	.25	0.255	102.	36-163	WG328954
Acrolein	mg/l	.25	0.224	89.5	27-122	WG328954
Acrylonitrile	mg/l	.25	0.228	91.1	44-130	WG328954
Benzene	mg/l	.05	0.0462	92.4	63-121	WG328954
Bromobenzene	mg/l	.05	0.0483	96.6	70-130	WG328954
Bromodichloromethane	mg/l	.05	0.0531	106.	64-127	WG328954
Bromoform	mg/l	.05	0.0468	93.7	60-139	WG328954
Bromomethane	mg/l	.05	0.0677	135.	30-125	WG328954
Carbon tetrachloride	mg/l	.05	0.0555	111.	70-140	WG328954
Chlorobenzene	mg/l	.05	0.0508	102.	70-126	WG328954
Chlorodibromomethane	mg/l	.05	0.0504	101.	62-132	WG328954
Chloroethane	mg/l	.05	0.0559	112.	43-146	WG328954
Chloroform	mg/l	.05	0.0469	93.7	65-121	WG328954
Chloromethane	mg/l	.05	0.0601	120.	45-131	WG328954
cis-1,2-Dichloroethene	mg/l	.05	0.0517	103.	68-123	WG328954
cis-1,3-Dichloropropene	mg/l	.05	0.0478	95.6	66-121	WG328954
Di-isopropyl ether	mg/l	.05	0.0446	89.2	58-127	WG328954
Dibromomethane	mg/l	.05	0.0498	99.7	69-119	WG328954
Dichlorodifluoromethane	mg/l	.05	0.0677	135.	24-155	WG328954
Ethylbenzene	mg/l	.05	0.0536	107.	70-121	WG328954
Hexachlorobutadiene	mg/l	.05	0.0486	97.1	60-119	WG328954
Isopropylbenzene	mg/l	.05	0.0480	95.9	68-128	WG328954
Methyl tert-butyl ether	mg/l	.05	0.0417	83.5	51-137	WG328954
Methylene Chloride	mg/l	.05	0.0471	94.2	53-131	WG328954
n-Butylbenzene	mg/l	.05	0.0470	94.0	59-134	WG328954
n-Propylbenzene	mg/l	.05	0.0457	91.5	68-123	WG328954
Naphthalene	mg/l	.05	0.0506	101.	54-150	WG328954
p-Isopropyltoluene	mg/l	.05	0.0512	102.	64-132	WG328954

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Mebane, NC 27302

Quality Assurance Report
Level II

L317799

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sec-Butylbenzene	mg/l	.05	0.0484	96.8	67-124	WG328954

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Styrene	mg/l	.05	0.0535	107.	68-123	WG328954
tert-Butylbenzene	mg/l	.05	0.0508	102.	65-128	WG328954
Tetrachloroethene	mg/l	.05	0.0516	103.	64-134	WG328954
Toluene	mg/l	.05	0.0466	93.2	65-120	WG328954
trans-1,2-Dichloroethene	mg/l	.05	0.0518	104.	59-138	WG328954
trans-1,3-Dichloropropene	mg/l	.05	0.0512	102.	55-113	WG328954
Trichloroethene	mg/l	.05	0.0515	103.	74-120	WG328954
Trichlorofluoromethane	mg/l	.05	0.0502	100.	49-121	WG328954
Vinyl chloride	mg/l	.05	0.0581	116.	46-133	WG328954
Xylenes, Total	mg/l	.15	0.155	104.	68-124	WG328954
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0460	92.1	61-134	WG329109
1,1,1-Trichloroethane	mg/l	.05	0.0496	99.1	62-133	WG329109
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0489	97.9	66-124	WG329109
1,1,2-Trichloroethane	mg/l	.05	0.0476	95.2	62-124	WG329109
1,1-Dichloroethane	mg/l	.05	0.0497	99.5	59-135	WG329109
1,1-Dichloroethene	mg/l	.05	0.0616	123.	68-136	WG329109
1,1-Dichloropropene	mg/l	.05	0.0526	105.	63-125	WG329109
1,2,3-Trichlorobenzene	mg/l	.05	0.0419	83.9	57-152	WG329109
1,2,3-Trichloropropane	mg/l	.05	0.0502	100.	62-138	WG329109
1,2,4-Trichlorobenzene	mg/l	.05	0.0383	76.6	49-153	WG329109
1,2,4-Trimethylbenzene	mg/l	.05	0.0403	80.6	61-128	WG329109
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0517	103.	50-139	WG329109
1,2-Dibromoethane	mg/l	.05	0.0477	95.3	70-122	WG329109
1,2-Dichlorobenzene	mg/l	.05	0.0437	87.4	54-135	WG329109
1,2-Dichloroethane	mg/l	.05	0.0504	101.	61-131	WG329109
1,2-Dichloropropane	mg/l	.05	0.0485	96.9	64-126	WG329109
1,3,5-Trimethylbenzene	mg/l	.05	0.0461	92.2	65-126	WG329109
1,3-Dichlorobenzene	mg/l	.05	0.0423	84.6	45-143	WG329109
1,3-Dichloropropane	mg/l	.05	0.0452	90.3	74-118	WG329109
1,4-Dichlorobenzene	mg/l	.05	0.0403	80.6	48-138	WG329109
2,2-Dichloropropane	mg/l	.05	0.0481	96.2	52-140	WG329109
2-Butanone (MEK)	mg/l	.25	0.285	114.	50-132	WG329109
2-Chloroethyl vinyl ether	mg/l	.25	0.279	112.	36-136	WG329109
2-Chlorotoluene	mg/l	.05	0.0457	91.5	61-134	WG329109
4-Chlorotoluene	mg/l	.05	0.0446	89.2	67-129	WG329109
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.313	125.	47-143	WG329109
Acetone	mg/l	.25	0.263	105.	36-163	WG329109
Acrolein	mg/l	.25	0.216	86.3	27-122	WG329109
Acrylonitrile	mg/l	.25	0.265	106.	44-130	WG329109
Benzene	mg/l	.05	0.0484	96.7	63-121	WG329109
Bromobenzene	mg/l	.05	0.0443	88.6	70-130	WG329109
Bromodichloromethane	mg/l	.05	0.0513	103.	64-127	WG329109
Bromoform	mg/l	.05	0.0448	89.7	60-139	WG329109
Bromomethane	mg/l	.05	0.0548	110.	30-125	WG329109
Carbon tetrachloride	mg/l	.05	0.0529	106.	70-140	WG329109
Chlorobenzene	mg/l	.05	0.0441	88.1	70-126	WG329109
Chlorodibromomethane	mg/l	.05	0.0491	98.3	62-132	WG329109
Chloroethane	mg/l	.05	0.0555	111.	43-146	WG329109
Chloroform	mg/l	.05	0.0480	96.0	65-121	WG329109
Chloromethane	mg/l	.05	0.0459	91.9	45-131	WG329109
cis-1,2-Dichloroethene	mg/l	.05	0.0486	97.3	68-123	WG329109
cis-1,3-Dichloropropene	mg/l	.05	0.0508	102.	66-121	WG329109
Di-isopropyl ether	mg/l	.05	0.0521	104.	58-127	WG329109
Dibromomethane	mg/l	.05	0.0516	103.	69-119	WG329109
Dichlorodifluoromethane	mg/l	.05	0.0413	82.6	24-155	WG329109
Ethylbenzene	mg/l	.05	0.0482	96.5	70-121	WG329109
Hexachlorobutadiene	mg/l	.05	0.0425	84.9	60-119	WG329109
Isopropylbenzene	mg/l	.05	0.0413	82.6	68-128	WG329109

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Methyl tert-butyl ether	mg/l	.05	0.0521	104.	51-137	WG329109

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Methylene Chloride	mg/l	.05	0.0490	98.0	53-131	WG329109
n-Butylbenzene	mg/l	.05	0.0445	89.0	59-134	WG329109
n-Propylbenzene	mg/l	.05	0.0445	89.0	68-123	WG329109
Naphthalene	mg/l	.05	0.0474	94.8	54-150	WG329109
p-Isopropyltoluene	mg/l	.05	0.0392	78.4	64-132	WG329109
sec-Butylbenzene	mg/l	.05	0.0416	83.2	67-124	WG329109
Styrene	mg/l	.05	0.0411	82.2	68-123	WG329109
tert-Butylbenzene	mg/l	.05	0.0412	82.4	65-128	WG329109
Tetrachloroethene	mg/l	.05	0.0419	83.9	64-134	WG329109
Toluene	mg/l	.05	0.0467	93.4	65-120	WG329109
trans-1,2-Dichloroethene	mg/l	.05	0.0494	98.7	59-138	WG329109
trans-1,3-Dichloropropene	mg/l	.05	0.0525	105.	55-113	WG329109
Trichloroethene	mg/l	.05	0.0480	96.0	74-120	WG329109
Trichlorofluoromethane	mg/l	.05	0.0539	108.	49-121	WG329109
Vinyl chloride	mg/l	.05	0.0461	92.1	46-133	WG329109
Xylenes, Total	mg/l	.15	0.137	91.6	68-124	WG329109
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0492	98.4	61-134	WG329330
1,1,1-Trichloroethane	mg/l	.05	0.0499	99.8	62-133	WG329330
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0511	102.	66-124	WG329330
1,1,2-Trichloroethane	mg/l	.05	0.0519	104.	62-124	WG329330
1,1-Dichloroethane	mg/l	.05	0.0517	103.	59-135	WG329330
1,1-Dichloroethene	mg/l	.05	0.0667	133.	68-136	WG329330
1,1-Dichloropropene	mg/l	.05	0.0562	112.	63-125	WG329330
1,2,3-Trichlorobenzene	mg/l	.05	0.0531	106.	57-152	WG329330
1,2,3-Trichloropropane	mg/l	.05	0.0509	102.	62-138	WG329330
1,2,4-Trichlorobenzene	mg/l	.05	0.0523	105.	49-153	WG329330
1,2,4-Trimethylbenzene	mg/l	.05	0.0472	94.5	61-128	WG329330
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0523	105.	50-139	WG329330
1,2-Dibromoethane	mg/l	.05	0.0512	102.	70-122	WG329330
1,2-Dichlorobenzene	mg/l	.05	0.0516	103.	54-135	WG329330
1,2-Dichloroethane	mg/l	.05	0.0527	105.	61-131	WG329330
1,2-Dichloropropane	mg/l	.05	0.0518	104.	64-126	WG329330
1,3,5-Trimethylbenzene	mg/l	.05	0.0539	108.	65-126	WG329330
1,3-Dichlorobenzene	mg/l	.05	0.0500	100.	45-143	WG329330
1,3-Dichloropropane	mg/l	.05	0.0499	99.8	74-118	WG329330
1,4-Dichlorobenzene	mg/l	.05	0.0477	95.5	48-138	WG329330
2,2-Dichloropropane	mg/l	.05	0.0486	97.2	52-140	WG329330
2-Butanone (MEK)	mg/l	.25	0.269	107.	50-132	WG329330
2-Chloroethyl vinyl ether	mg/l	.25	0.292	117.	36-136	WG329330
2-Chlorotoluene	mg/l	.05	0.0538	108.	61-134	WG329330
4-Chlorotoluene	mg/l	.05	0.0536	107.	67-129	WG329330
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.302	121.	47-143	WG329330
Acetone	mg/l	.25	0.243	97.1	36-163	WG329330
Acrolein	mg/l	.25	0.239	95.4	27-122	WG329330
Acrylonitrile	mg/l	.25	0.252	101.	44-130	WG329330
Benzene	mg/l	.05	0.0505	101.	63-121	WG329330
Bromobenzene	mg/l	.05	0.0516	103.	70-130	WG329330
Bromodichloromethane	mg/l	.05	0.0527	105.	64-127	WG329330
Bromoform	mg/l	.05	0.0484	96.8	60-139	WG329330
Bromomethane	mg/l	.05	0.0482	96.4	30-125	WG329330
Carbon tetrachloride	mg/l	.05	0.0542	108.	70-140	WG329330
Chlorobenzene	mg/l	.05	0.0500	100.	70-126	WG329330
Chlorodibromomethane	mg/l	.05	0.0533	107.	62-132	WG329330
Chloroethane	mg/l	.05	0.0509	102.	43-146	WG329330
Chloroform	mg/l	.05	0.0493	98.6	65-121	WG329330
Chloromethane	mg/l	.05	0.0407	81.4	45-131	WG329330
cis-1,2-Dichloroethene	mg/l	.05	0.0500	99.9	68-123	WG329330
cis-1,3-Dichloropropene	mg/l	.05	0.0559	112.	66-121	WG329330

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Di-isopropyl ether	mg/l	.05	0.0536	107.	58-127	WG329330

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Dibromomethane	mg/l	.05	0.0530	106.	69-119	WG329330
Dichlorodifluoromethane	mg/l	.05	0.0490	98.1	24-155	WG329330
Ethylbenzene	mg/l	.05	0.0531	106.	70-121	WG329330
Hexachlorobutadiene	mg/l	.05	0.0506	101.	60-119	WG329330
Isopropylbenzene	mg/l	.05	0.0462	92.4	68-128	WG329330
Methyl tert-butyl ether	mg/l	.05	0.0513	103.	51-137	WG329330
Methylene Chloride	mg/l	.05	0.0490	98.1	53-131	WG329330
n-Butylbenzene	mg/l	.05	0.0559	112.	59-134	WG329330
n-Propylbenzene	mg/l	.05	0.0521	104.	68-123	WG329330
Naphthalene	mg/l	.05	0.0550	110.	54-150	WG329330
p-Isopropyltoluene	mg/l	.05	0.0461	92.2	64-132	WG329330
sec-Butylbenzene	mg/l	.05	0.0467	93.4	67-124	WG329330
Styrene	mg/l	.05	0.0476	95.2	68-123	WG329330
tert-Butylbenzene	mg/l	.05	0.0455	91.0	65-128	WG329330
Tetrachloroethene	mg/l	.05	0.0467	93.3	64-134	WG329330
Toluene	mg/l	.05	0.0502	101.	65-120	WG329330
trans-1,2-Dichloroethene	mg/l	.05	0.0514	103.	59-138	WG329330
trans-1,3-Dichloropropene	mg/l	.05	0.0583	117.	55-113	WG329330
Trichloroethene	mg/l	.05	0.0524	105.	74-120	WG329330
Trichlorofluoromethane	mg/l	.05	0.0494	98.8	49-121	WG329330
Vinyl chloride	mg/l	.05	0.0420	84.0	46-133	WG329330
Xylenes, Total	mg/l	.15	0.154	103.	68-124	WG329330

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0506	0.0527	4.02	17	101	WG328842
1,1,1-Trichloroethane	mg/l	0.0477	0.0497	4.08	17	95	WG328842
1,1,2,2-Tetrachloroethane	mg/l	0.0569	0.0547	3.91	16	114	WG328842
1,1,2-Trichloroethane	mg/l	0.0530	0.0535	0.914	16	106	WG328842
1,1-Dichloroethane	mg/l	0.0477	0.0499	4.54	22	95	WG328842
1,1-Dichloroethene	mg/l	0.0509	0.0525	3.01	17	102	WG328842
1,1-Dichloropropene	mg/l	0.0500	0.0523	4.56	17	100	WG328842
1,2,3-Trichlorobenzene	mg/l	0.0539	0.0532	1.45	19	108	WG328842
1,2,3-Trichloropropane	mg/l	0.0546	0.0524	4.21	18	109	WG328842
1,2,4-Trichlorobenzene	mg/l	0.0543	0.0543	0.110	20	109	WG328842
1,2,4-Trimethylbenzene	mg/l	0.0504	0.0511	1.51	18	101	WG328842
1,2-Dibromo-3-Chloropropane	mg/l	0.0595	0.0560	6.00	19	119	WG328842
1,2-Dibromoethane	mg/l	0.0540	0.0532	1.55	16	108	WG328842
1,2-Dichlorobenzene	mg/l	0.0491	0.0500	1.86	16	98	WG328842
1,2-Dichloroethane	mg/l	0.0444	0.0464	4.27	15	89	WG328842
1,2-Dichloropropane	mg/l	0.0513	0.0542	5.50	18	103	WG328842
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0511	2.19	17	100	WG328842
1,3-Dichlorobenzene	mg/l	0.0525	0.0531	1.13	17	105	WG328842
1,3-Dichloropropane	mg/l	0.0487	0.0490	0.704	15	97	WG328842
1,4-Dichlorobenzene	mg/l	0.0474	0.0480	1.20	17	95	WG328842
2,2-Dichloropropane	mg/l	0.0420	0.0437	4.02	21	84	WG328842
2-Butanone (MEK)	mg/l	0.275	0.254	8.02	21	110	WG328842
2-Chloroethyl vinyl ether	mg/l	0.214	0.205	4.27	28	86	WG328842
2-Chlorotoluene	mg/l	0.0471	0.0479	1.75	26	94	WG328842
4-Chlorotoluene	mg/l	0.0483	0.0498	3.09	17	97	WG328842
4-Methyl-2-pentanone (MIBK)	mg/l	0.270	0.256	5.39	21	108	WG328842
Acetone	mg/l	0.288	0.267	7.64	20	115	WG328842
Acrolein	mg/l	0.273	0.230	17.3	13	109	WG328842
Acrylonitrile	mg/l	0.252	0.240	4.97	20	101	WG328842
Benzene	mg/l	0.0466	0.0479	2.80	16	93	WG328842
Bromobenzene	mg/l	0.0482	0.0511	5.92	16	96	WG328842
Bromodichloromethane	mg/l	0.0515	0.0539	4.50	17	103	WG328842
Bromoform	mg/l	0.0497	0.0486	2.14	15	99	WG328842

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Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Bromomethane	mg/l	0.0574	0.0568	1.19	21	115	WG328842
Carbon tetrachloride	mg/l	0.0537	0.0560	4.19	17	107	WG328842
Chlorobenzene	mg/l	0.0526	0.0538	2.34	16	105	WG328842
Chlorodibromomethane	mg/l	0.0510	0.0520	2.02	15	102	WG328842
Chloroethane	mg/l	0.0496	0.0523	5.29	24	99	WG328842
Chloroform	mg/l	0.0459	0.0478	3.94	15	92	WG328842
Chloromethane	mg/l	0.0548	0.0568	3.60	22	110	WG328842
cis-1,2-Dichloroethene	mg/l	0.0514	0.0542	5.27	15	103	WG328842
cis-1,3-Dichloropropene	mg/l	0.0484	0.0496	2.40	18	97	WG328842
Di-isopropyl ether	mg/l	0.0437	0.0463	5.83	18	87	WG328842
Dibromomethane	mg/l	0.0522	0.0521	0.216	16	104	WG328842
Dichlorodifluoromethane	mg/l	0.0619	0.0659	6.30	22	124	WG328842
Ethylbenzene	mg/l	0.0555	0.0566	1.90	17	111	WG328842
Hexachlorobutadiene	mg/l	0.0500	0.0522	4.34	18	100	WG328842
Isopropylbenzene	mg/l	0.0495	0.0507	2.50	17	99	WG328842
Methyl tert-butyl ether	mg/l	0.0430	0.0429	0.0922	18	86	WG328842
Methylene Chloride	mg/l	0.0477	0.0490	2.64	17	95	WG328842
n-Butylbenzene	mg/l	0.0481	0.0494	2.67	19	96	WG328842
n-Propylbenzene	mg/l	0.0468	0.0479	2.34	17	94	WG328842
Naphthalene	mg/l	0.0585	0.0542	7.67	17	117	WG328842
p-Isopropyltoluene	mg/l	0.0521	0.0535	2.59	18	104	WG328842
sec-Butylbenzene	mg/l	0.0496	0.0513	3.39	18	99	WG328842
Styrene	mg/l	0.0555	0.0561	1.06	17	111	WG328842
tert-Butylbenzene	mg/l	0.0526	0.0542	2.99	17	105	WG328842
Tetrachloroethene	mg/l	0.0542	0.0545	0.688	18	108	WG328842
Toluene	mg/l	0.0467	0.0483	3.41	18	93	WG328842
trans-1,2-Dichloroethene	mg/l	0.0513	0.0535	4.22	22	103	WG328842
trans-1,3-Dichloropropene	mg/l	0.0520	0.0535	2.89	18	104	WG328842
Trichloroethene	mg/l	0.0518	0.0535	3.12	16	104	WG328842
Trichlorofluoromethane	mg/l	0.0448	0.0469	4.67	19	90	WG328842
Vinyl chloride	mg/l	0.0524	0.0556	5.89	17	105	WG328842
Xylenes, Total	mg/l	0.161	0.164	2.27	17	107	WG328842
1,1,1,2-Tetrachloroethane	mg/l	0.0442	0.0501	12.6	17	88	WG328954
1,1,1-Trichloroethane	mg/l	0.0430	0.0481	11.1	17	86	WG328954
1,1,2,2-Tetrachloroethane	mg/l	0.0491	0.0501	2.10	16	98	WG328954
1,1,2-Trichloroethane	mg/l	0.0468	0.0502	7.03	16	94	WG328954
1,1-Dichloroethane	mg/l	0.0436	0.0489	11.5	22	87	WG328954
1,1-Dichloroethene	mg/l	0.0454	0.0504	10.3	17	91	WG328954
1,1-Dichloropropene	mg/l	0.0445	0.0505	12.6	17	89	WG328954
1,2,3-Trichlorobenzene	mg/l	0.0466	0.0501	7.15	19	93	WG328954
1,2,3-Trichloropropane	mg/l	0.0466	0.0494	5.78	18	93	WG328954
1,2,4-Trichlorobenzene	mg/l	0.0479	0.0516	7.59	20	96	WG328954
1,2,4-Trimethylbenzene	mg/l	0.0455	0.0491	7.51	18	91	WG328954
1,2-Dibromo-3-Chloropropane	mg/l	0.0487	0.0502	3.12	19	97	WG328954
1,2-Dibromoethane	mg/l	0.0462	0.0499	7.62	16	92	WG328954
1,2-Dichlorobenzene	mg/l	0.0440	0.0475	7.62	16	88	WG328954
1,2-Dichloroethane	mg/l	0.0415	0.0457	9.69	15	83	WG328954
1,2-Dichloropropane	mg/l	0.0442	0.0512	14.8	18	88	WG328954
1,3,5-Trimethylbenzene	mg/l	0.0448	0.0490	9.03	17	90	WG328954
1,3-Dichlorobenzene	mg/l	0.0465	0.0502	7.74	17	93	WG328954
1,3-Dichloropropane	mg/l	0.0437	0.0465	6.31	15	87	WG328954
1,4-Dichlorobenzene	mg/l	0.0426	0.0464	8.71	17	85	WG328954
2,2-Dichloropropane	mg/l	0.0357	0.0403	12.2	21	71	WG328954
2-Butanone (MEK)	mg/l	0.232	0.232	0.415	21	93	WG328954
2-Chloroethyl vinyl ether	mg/l	0.173	0.183	6.03	28	69	WG328954
2-Chlorotoluene	mg/l	0.0423	0.0460	8.52	26	85	WG328954
4-Chlorotoluene	mg/l	0.0443	0.0478	7.64	17	89	WG328954
4-Methyl-2-pentanone (MIBK)	mg/l	0.229	0.237	3.30	21	92	WG328954
Acetone	mg/l	0.250	0.255	1.74	20	100	WG328954

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Quality Assurance Report
Level II

L317799

November 09, 2007

Acrolein	mg/l	0.236	0.224	5.22	13	94	WG328954

		Laboratory Control Sample Duplicate					
Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Acrylonitrile	mg/l	0.224	0.228	1.81	20	90	WG328954
Benzene	mg/l	0.0421	0.0462	9.21	16	84	WG328954
Bromobenzene	mg/l	0.0432	0.0483	11.1	16	86	WG328954
Bromodichloromethane	mg/l	0.0464	0.0531	13.3	17	93	WG328954
Bromoform	mg/l	0.0422	0.0468	10.5	15	84	WG328954
Bromomethane	mg/l	0.0605	0.0677	11.1	21	121	WG328954
Carbon tetrachloride	mg/l	0.0483	0.0555	13.9	17	97	WG328954
Chlorobenzene	mg/l	0.0471	0.0508	7.65	16	94	WG328954
Chlorodibromomethane	mg/l	0.0454	0.0504	10.4	15	91	WG328954
Chloroethane	mg/l	0.0489	0.0559	13.3	24	98	WG328954
Chloroform	mg/l	0.0420	0.0469	11.0	15	84	WG328954
Chloromethane	mg/l	0.0555	0.0601	8.04	22	111	WG328954
cis-1,2-Dichloroethene	mg/l	0.0456	0.0517	12.4	15	91	WG328954
cis-1,3-Dichloropropene	mg/l	0.0420	0.0478	12.8	18	84	WG328954
Di-isopropyl ether	mg/l	0.0408	0.0446	8.99	18	82	WG328954
Dibromomethane	mg/l	0.0450	0.0498	10.2	16	90	WG328954
Dichlorodifluoromethane	mg/l	0.0579	0.0677	15.7	22	116	WG328954
Ethylbenzene	mg/l	0.0491	0.0536	8.69	17	98	WG328954
Hexachlorobutadiene	mg/l	0.0436	0.0486	10.6	18	87	WG328954
Isopropylbenzene	mg/l	0.0443	0.0480	8.00	17	89	WG328954
Methyl tert-butyl ether	mg/l	0.0392	0.0417	6.28	18	78	WG328954
Methylene Chloride	mg/l	0.0424	0.0471	10.6	17	85	WG328954
n-Butylbenzene	mg/l	0.0431	0.0470	8.65	19	86	WG328954
n-Propylbenzene	mg/l	0.0421	0.0457	8.24	17	84	WG328954
Naphthalene	mg/l	0.0491	0.0506	3.09	17	98	WG328954
p-Isopropyltoluene	mg/l	0.0469	0.0512	8.69	18	94	WG328954
sec-Butylbenzene	mg/l	0.0446	0.0484	8.19	18	89	WG328954
Styrene	mg/l	0.0496	0.0535	7.49	17	99	WG328954
tert-Butylbenzene	mg/l	0.0468	0.0508	8.15	17	94	WG328954
Tetrachloroethene	mg/l	0.0449	0.0516	13.9	18	90	WG328954
Toluene	mg/l	0.0419	0.0466	10.7	18	84	WG328954
trans-1,2-Dichloroethene	mg/l	0.0461	0.0518	11.7	22	92	WG328954
trans-1,3-Dichloropropene	mg/l	0.0450	0.0512	12.9	18	90	WG328954
Trichloroethene	mg/l	0.0450	0.0515	13.3	16	90	WG328954
Trichlorofluoromethane	mg/l	0.0441	0.0502	12.8	19	88	WG328954
Vinyl chloride	mg/l	0.0504	0.0581	14.2	17	101	WG328954
Xylenes, Total	mg/l	0.143	0.155	8.32	17	95	WG328954
1,1,1,2-Tetrachloroethane	mg/l	0.0457	0.0460	0.695	17	91	WG329109
1,1,1-Trichloroethane	mg/l	0.0503	0.0496	1.43	17	101	WG329109
1,1,2,2-Tetrachloroethane	mg/l	0.0474	0.0489	3.22	16	95	WG329109
1,1,2-Trichloroethane	mg/l	0.0461	0.0476	3.16	16	92	WG329109
1,1-Dichloroethane	mg/l	0.0506	0.0497	1.73	22	101	WG329109
1,1-Dichloroethene	mg/l	0.0604	0.0616	1.92	17	121	WG329109
1,1-Dichloropropene	mg/l	0.0526	0.0526	0.0124	17	105	WG329109
1,2,3-Trichlorobenzene	mg/l	0.0428	0.0419	2.17	19	86	WG329109
1,2,3-Trichloropropane	mg/l	0.0461	0.0502	8.61	18	92	WG329109
1,2,4-Trichlorobenzene	mg/l	0.0404	0.0383	5.27	20	81	WG329109
1,2,4-Trimethylbenzene	mg/l	0.0405	0.0403	0.503	18	81	WG329109
1,2-Dibromo-3-Chloropropane	mg/l	0.0495	0.0517	4.28	19	99	WG329109
1,2-Dibromoethane	mg/l	0.0466	0.0477	2.32	16	93	WG329109
1,2-Dichlorobenzene	mg/l	0.0443	0.0437	1.35	16	89	WG329109
1,2-Dichloroethane	mg/l	0.0508	0.0504	0.809	15	102	WG329109
1,2-Dichloropropane	mg/l	0.0490	0.0485	1.04	18	98	WG329109
1,3,5-Trimethylbenzene	mg/l	0.0452	0.0461	1.88	17	90	WG329109
1,3-Dichlorobenzene	mg/l	0.0419	0.0423	0.949	17	84	WG329109
1,3-Dichloropropane	mg/l	0.0443	0.0452	1.91	15	89	WG329109
1,4-Dichlorobenzene	mg/l	0.0397	0.0403	1.45	17	79	WG329109
2,2-Dichloropropane	mg/l	0.0491	0.0481	2.04	21	98	WG329109

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Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
2-Butanone (MEK)	mg/l	0.272	0.285	4.93	21	109	WG329109

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
2-Chloroethyl vinyl ether	mg/l	0.260	0.279	7.34	28	104	WG329109
2-Chlorotoluene	mg/l	0.0462	0.0457	1.02	26	92	WG329109
4-Chlorotoluene	mg/l	0.0445	0.0446	0.166	17	89	WG329109
4-Methyl-2-pentanone (MIBK)	mg/l	0.276	0.313	12.5	21	110	WG329109
Acetone	mg/l	0.248	0.263	5.81	20	99	WG329109
Acrolein	mg/l	0.203	0.216	6.30	13	81	WG329109
Acrylonitrile	mg/l	0.244	0.265	8.14	20	98	WG329109
Benzene	mg/l	0.0487	0.0484	0.716	16	97	WG329109
Bromobenzene	mg/l	0.0445	0.0443	0.438	16	89	WG329109
Bromodichloromethane	mg/l	0.0490	0.0513	4.68	17	98	WG329109
Bromoform	mg/l	0.0432	0.0448	3.66	15	86	WG329109
Bromomethane	mg/l	0.0497	0.0548	9.83	21	99	WG329109
Carbon tetrachloride	mg/l	0.0530	0.0529	0.263	17	106	WG329109
Chlorobenzene	mg/l	0.0433	0.0441	1.82	16	87	WG329109
Chlorodibromomethane	mg/l	0.0488	0.0491	0.607	15	98	WG329109
Chloroethane	mg/l	0.0525	0.0555	5.59	24	105	WG329109
Chloroform	mg/l	0.0483	0.0480	0.572	15	97	WG329109
Chloromethane	mg/l	0.0439	0.0459	4.62	22	88	WG329109
cis-1,2-Dichloroethene	mg/l	0.0488	0.0486	0.262	15	98	WG329109
cis-1,3-Dichloropropene	mg/l	0.0488	0.0508	4.07	18	98	WG329109
Di-isopropyl ether	mg/l	0.0524	0.0521	0.529	18	105	WG329109
Dibromomethane	mg/l	0.0484	0.0516	6.37	16	97	WG329109
Dichlorodifluoromethane	mg/l	0.0394	0.0413	4.71	22	79	WG329109
Ethylbenzene	mg/l	0.0468	0.0482	3.12	17	94	WG329109
Hexachlorobutadiene	mg/l	0.0408	0.0425	4.03	18	82	WG329109
Isopropylbenzene	mg/l	0.0395	0.0413	4.58	17	79	WG329109
Methyl tert-butyl ether	mg/l	0.0507	0.0521	2.85	18	101	WG329109
Methylene Chloride	mg/l	0.0503	0.0490	2.62	17	101	WG329109
n-Butylbenzene	mg/l	0.0438	0.0445	1.66	19	88	WG329109
n-Propylbenzene	mg/l	0.0438	0.0445	1.51	17	88	WG329109
Naphthalene	mg/l	0.0479	0.0474	1.04	17	96	WG329109
p-Isopropyltoluene	mg/l	0.0381	0.0392	2.82	18	76	WG329109
sec-Butylbenzene	mg/l	0.0399	0.0416	4.14	18	80	WG329109
Styrene	mg/l	0.0406	0.0411	1.19	17	81	WG329109
tert-Butylbenzene	mg/l	0.0404	0.0412	1.87	17	81	WG329109
Tetrachloroethene	mg/l	0.0400	0.0419	4.76	18	80	WG329109
Toluene	mg/l	0.0451	0.0467	3.46	18	90	WG329109
trans-1,2-Dichloroethene	mg/l	0.0490	0.0494	0.640	22	98	WG329109
trans-1,3-Dichloropropene	mg/l	0.0488	0.0525	7.48	18	98	WG329109
Trichloroethene	mg/l	0.0468	0.0480	2.59	16	94	WG329109
Trichlorofluoromethane	mg/l	0.0501	0.0539	7.28	19	100	WG329109
Vinyl chloride	mg/l	0.0438	0.0461	5.10	17	88	WG329109
Xylenes, Total	mg/l	0.133	0.137	3.36	17	89	WG329109
1,1,1,2-Tetrachloroethane	mg/l	0.0517	0.0492	5.01	17	103	WG329330
1,1,1-Trichloroethane	mg/l	0.0516	0.0499	3.30	17	103	WG329330
1,1,2,2-Tetrachloroethane	mg/l	0.0526	0.0511	3.01	16	105	WG329330
1,1,2-Trichloroethane	mg/l	0.0544	0.0519	4.70	16	109	WG329330
1,1-Dichloroethane	mg/l	0.0531	0.0517	2.71	22	106	WG329330
1,1-Dichloroethene	mg/l	0.0666	0.0667	0.199	17	133	WG329330
1,1-Dichloropropene	mg/l	0.0572	0.0562	1.65	17	114	WG329330
1,2,3-Trichlorobenzene	mg/l	0.0569	0.0531	6.79	19	114	WG329330
1,2,3-Trichloropropane	mg/l	0.0532	0.0509	4.27	18	106	WG329330
1,2,4-Trichlorobenzene	mg/l	0.0571	0.0523	8.77	20	114	WG329330
1,2,4-Trimethylbenzene	mg/l	0.0487	0.0472	3.01	18	97	WG329330
1,2-Dibromo-3-Chloropropane	mg/l	0.0550	0.0523	5.10	19	110	WG329330
1,2-Dibromoethane	mg/l	0.0542	0.0512	5.63	16	108	WG329330
1,2-Dichlorobenzene	mg/l	0.0538	0.0516	4.26	16	108	WG329330
1,2-Dichloroethane	mg/l	0.0549	0.0527	4.13	15	110	WG329330

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1,2-Dichloropropane	mg/l	0.0531	0.0518	2.38	18	106	WG329330

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,3,5-Trimethylbenzene	mg/l	0.0551	0.0539	2.06	17	110	WG329330
1,3-Dichlorobenzene	mg/l	0.0519	0.0500	3.74	17	104	WG329330
1,3-Dichloropropane	mg/l	0.0524	0.0499	4.78	15	105	WG329330
1,4-Dichlorobenzene	mg/l	0.0494	0.0477	3.42	17	99	WG329330
2,2-Dichloropropane	mg/l	0.0531	0.0486	8.82	21	106	WG329330
2-Butanone (MEK)	mg/l	0.277	0.269	3.00	21	111	WG329330
2-Chloroethyl vinyl ether	mg/l	0.297	0.292	1.64	28	119	WG329330
2-Chlorotoluene	mg/l	0.0555	0.0538	3.01	26	111	WG329330
4-Chlorotoluene	mg/l	0.0549	0.0536	2.30	17	110	WG329330
4-Methyl-2-pentanone (MIBK)	mg/l	0.313	0.302	3.44	21	125	WG329330
Acetone	mg/l	0.251	0.243	3.41	20	101	WG329330
Acrolein	mg/l	0.232	0.239	2.90	13	93	WG329330
Acrylonitrile	mg/l	0.258	0.252	2.43	20	103	WG329330
Benzene	mg/l	0.0523	0.0505	3.36	16	105	WG329330
Bromobenzene	mg/l	0.0527	0.0516	2.05	16	105	WG329330
Bromodichloromethane	mg/l	0.0538	0.0527	2.08	17	108	WG329330
Bromoform	mg/l	0.0489	0.0484	1.08	15	98	WG329330
Bromomethane	mg/l	0.0457	0.0482	5.22	21	91	WG329330
Carbon tetrachloride	mg/l	0.0566	0.0542	4.33	17	113	WG329330
Chlorobenzene	mg/l	0.0520	0.0500	3.97	16	104	WG329330
Chlorodibromomethane	mg/l	0.0570	0.0533	6.81	15	114	WG329330
Chloroethane	mg/l	0.0472	0.0509	7.46	24	94	WG329330
Chloroform	mg/l	0.0506	0.0493	2.73	15	101	WG329330
Chloromethane	mg/l	0.0388	0.0407	4.79	22	78	WG329330
cis-1,2-Dichloroethene	mg/l	0.0525	0.0500	4.97	15	105	WG329330
cis-1,3-Dichloropropene	mg/l	0.0576	0.0559	3.10	18	115	WG329330
Di-isopropyl ether	mg/l	0.0563	0.0536	5.01	18	113	WG329330
Dibromomethane	mg/l	0.0548	0.0530	3.27	16	110	WG329330
Dichlorodifluoromethane	mg/l	0.0469	0.0490	4.40	22	94	WG329330
Ethylbenzene	mg/l	0.0554	0.0531	4.14	17	111	WG329330
Hexachlorobutadiene	mg/l	0.0516	0.0506	2.11	18	103	WG329330
Isopropylbenzene	mg/l	0.0472	0.0462	2.22	17	94	WG329330
Methyl tert-butyl ether	mg/l	0.0536	0.0513	4.28	18	107	WG329330
Methylene Chloride	mg/l	0.0502	0.0490	2.35	17	100	WG329330
n-Butylbenzene	mg/l	0.0580	0.0559	3.70	19	116	WG329330
n-Propylbenzene	mg/l	0.0537	0.0521	3.03	17	107	WG329330
Naphthalene	mg/l	0.0599	0.0550	8.64	17	120	WG329330
p-Isopropyltoluene	mg/l	0.0473	0.0461	2.54	18	95	WG329330
sec-Butylbenzene	mg/l	0.0472	0.0467	1.10	18	94	WG329330
Styrene	mg/l	0.0484	0.0476	1.74	17	97	WG329330
tert-Butylbenzene	mg/l	0.0473	0.0455	3.96	17	95	WG329330
Tetrachloroethene	mg/l	0.0476	0.0467	1.97	18	95	WG329330
Toluene	mg/l	0.0505	0.0502	0.474	18	101	WG329330
trans-1,2-Dichloroethene	mg/l	0.0552	0.0514	7.13	22	110	WG329330
trans-1,3-Dichloropropene	mg/l	0.0577	0.0583	0.956	18	115	WG329330
Trichloroethene	mg/l	0.0524	0.0524	0.125	16	105	WG329330
Trichlorofluoromethane	mg/l	0.0472	0.0494	4.53	19	94	WG329330
Vinyl chloride	mg/l	0.0385	0.0420	8.71	17	77	WG329330
Xylenes, Total	mg/l	0.161	0.154	4.20	17	107	WG329330

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Arsenic	mg/l	0.986	0.00	1	98.6	75-125	L317799-02	WG328600
Barium	mg/l	1.01	0.0560	1	95.4	75-125	L317799-02	WG328600
Cadmium	mg/l	0.970	0.00	1	97.0	75-125	L317799-02	WG328600
Chromium	mg/l	0.955	0.0026	1	95.2	75-125	L317799-02	WG328600
Lead	mg/l	0.995	0.00	1	99.5	75-125	L317799-02	WG328600
Selenium	mg/l	1.06	0.00	1	106.	75-125	L317799-02	WG328600

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Silver	mg/l	0.940	0.00	1	94.0	75-125	L317799-02	WG328600

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.0025	0.00	.003	85.3	70-130	L318062-28	WG328895
1,1,1,2-Tetrachloroethane	mg/l	0.983	0.00	.05	98.3	57-133	L318062-27	WG328954
1,1,1-Trichloroethane	mg/l	0.902	0.00	.05	90.2	54-143	L318062-27	WG328954
1,1,2,2-Tetrachloroethane	mg/l	1.12	0.00	.05	112.	58-134	L318062-27	WG328954
1,1,2-Trichloroethane	mg/l	1.01	0.00	.05	101.	58-125	L318062-27	WG328954
1,1-Dichloroethane	mg/l	0.965	0.0810	.05	88.4	53-136	L318062-27	WG328954
1,1-Dichloroethene	mg/l	0.810	0.110	.05	70.0	58-145	L318062-27	WG328954
1,1-Dichloropropene	mg/l	0.787	0.00	.05	78.7	58-126	L318062-27	WG328954
1,2,3-Trichlorobenzene	mg/l	0.965	0.00	.05	96.5	48-127	L318062-27	WG328954
1,2,3-Trichloropropane	mg/l	1.09	0.00	.05	109.	57-145	L318062-27	WG328954
1,2,4-Trichlorobenzene	mg/l	0.959	0.00	.05	95.9	41-127	L318062-27	WG328954
1,2,4-Trimethylbenzene	mg/l	0.983	0.00	.05	98.3	52-125	L318062-27	WG328954
1,2-Dibromo-3-Chloropropane	mg/l	1.08	0.00	.05	108.	44-138	L318062-27	WG328954
1,2-Dibromoethane	mg/l	0.966	0.00	.05	96.6	64-126	L318062-27	WG328954
1,2-Dichlorobenzene	mg/l	0.923	0.00	.05	92.3	50-127	L318062-27	WG328954
1,2-Dichloroethane	mg/l	0.907	0.00	.05	90.7	54-145	L318062-27	WG328954
1,2-Dichloropropane	mg/l	0.933	0.00	.05	93.3	55-135	L318062-27	WG328954
1,3,5-Trimethylbenzene	mg/l	0.962	0.00	.05	96.2	54-125	L318062-27	WG328954
1,3-Dichlorobenzene	mg/l	0.988	0.00	.05	98.8	47-128	L318062-27	WG328954
1,3-Dichloropropane	mg/l	0.930	0.00	.05	93.0	64-125	L318062-27	WG328954
1,4-Dichlorobenzene	mg/l	0.879	0.00	.05	87.9	47-123	L318062-27	WG328954
2,2-Dichloropropane	mg/l	0.635	0.00	.05	63.5	44-143	L318062-27	WG328954
2-Butanone (MEK)	mg/l	5.39	0.00	.25	108.	47-133	L318062-27	WG328954
2-Chloroethyl vinyl ether	mg/l	0.126	0.00	.25	2.5	28-148	L318062-27	WG328954
2-Chlorotoluene	mg/l	0.928	0.00	.05	92.8	51-135	L318062-27	WG328954
4-Chlorotoluene	mg/l	0.965	0.00	.05	96.5	57-123	L318062-27	WG328954
4-Methyl-2-pentanone (MIBK)	mg/l	5.35	0.00	.25	107.	45-144	L318062-27	WG328954
Acetone	mg/l	6.24	0.00	.25	125.	25-158	L318062-27	WG328954
Acrolein	mg/l	5.00	0.00	.25	100.	25-128	L318062-27	WG328954
Acrylonitrile	mg/l	5.13	0.00	.25	103.	39-136	L318062-27	WG328954
Benzene	mg/l	0.808	0.00	.05	80.8	51-134	L318062-27	WG328954
Bromobenzene	mg/l	0.942	0.00	.05	94.2	60-131	L318062-27	WG328954
Bromodichloromethane	mg/l	1.03	0.00	.05	103.	54-139	L318062-27	WG328954
Bromoform	mg/l	0.927	0.00	.05	92.7	52-144	L318062-27	WG328954
Bromomethane	mg/l	0.735	0.00	.05	73.5	21-131	L318062-27	WG328954
Carbon tetrachloride	mg/l	0.994	0.00	.05	99.4	51-147	L318062-27	WG328954
Chlorobenzene	mg/l	0.955	0.00	.05	95.5	59-125	L318062-27	WG328954
Chlorodibromomethane	mg/l	0.972	0.00	.05	97.2	57-133	L318062-27	WG328954
Chloroethane	mg/l	0.757	0.00	.05	75.7	38-153	L318062-27	WG328954
Chloroform	mg/l	0.913	0.00	.05	91.3	55-133	L318062-27	WG328954
Chloromethane	mg/l	0.650	0.00	.05	65.0	39-135	L318062-27	WG328954
cis-1,2-Dichloroethene	mg/l	3.32	2.50	.05	82.2	64-126	L318062-27	WG328954
cis-1,3-Dichloropropene	mg/l	0.791	0.00	.05	79.1	54-122	L318062-27	WG328954
Di-isopropyl ether	mg/l	0.889	0.00	.05	88.9	53-132	L318062-27	WG328954
Dibromomethane	mg/l	0.924	0.00	.05	92.4	61-132	L318062-27	WG328954
Dichlorodifluoromethane	mg/l	0.724	0.00	.05	72.4	26-153	L318062-27	WG328954
Ethylbenzene	mg/l	0.982	0.00	.05	98.2	55-125	L318062-27	WG328954
Hexachlorobutadiene	mg/l	0.873	0.00	.05	87.3	51-109	L318062-27	WG328954
Isopropylbenzene	mg/l	0.948	0.00	.05	94.8	59-127	L318062-27	WG328954
Methyl tert-butyl ether	mg/l	0.865	0.00	.05	86.5	50-137	L318062-27	WG328954
Methylene Chloride	mg/l	0.776	0.00	.05	77.6	44-143	L318062-27	WG328954
n-Butylbenzene	mg/l	0.874	0.00	.05	87.4	47-124	L318062-27	WG328954
n-Propylbenzene	mg/l	0.905	0.00	.05	90.5	53-124	L318062-27	WG328954
Naphthalene	mg/l	1.02	0.00	.05	102.	45-141	L318062-27	WG328954
p-Isopropyltoluene	mg/l	1.00	0.00	.05	100.	52-126	L318062-27	WG328954
sec-Butylbenzene	mg/l	0.966	0.00	.05	96.6	54-127	L318062-27	WG328954
Styrene	mg/l	1.04	0.00	.05	104.	55-121	L318062-27	WG328954
tert-Butylbenzene	mg/l	1.03	0.00	.05	103.	57-128	L318062-27	WG328954

ENVIRONMENTAL
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TerraQuest Environmental Consultants PC
Mr. Ryan Kerins
100 East Ruffin Street

Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Tetrachloroethene	mg/l	0.807	0.00	.05	80.7	53-128	L318062-27	WG328954
Toluene	mg/l	0.831	0.00	.05	83.1	57-126	L318062-27	WG328954
trans-1,2-Dichloroethene	mg/l	0.875	0.160	.05	71.5	52-139	L318062-27	WG328954
trans-1,3-Dichloropropene	mg/l	0.876	0.00	.05	87.6	48-113	L318062-27	WG328954
Trichloroethene	mg/l	2.86	2.10	.05	75.6	57-135	L318062-27	WG328954
Trichlorofluoromethane	mg/l	0.792	0.00	.05	79.2	42-134	L318062-27	WG328954
Vinyl chloride	mg/l	0.793	0.0990	.05	69.4	44-132	L318062-27	WG328954
Xylenes, Total	mg/l	2.90	0.00	.15	96.7	54-129	L318062-27	WG328954
1,1,1,2-Tetrachloroethane	mg/l	0.0489	0.00	.05	97.9	57-133	L317789-01	WG329109
1,1,1-Trichloroethane	mg/l	0.0517	0.00	.05	103.	54-143	L317789-01	WG329109
1,1,2,2-Tetrachloroethane	mg/l	0.0587	0.00	.05	117.	58-134	L317789-01	WG329109
1,1,2-Trichloroethane	mg/l	0.0503	0.00	.05	101.	58-125	L317789-01	WG329109
1,1-Dichloroethane	mg/l	0.0526	0.00	.05	105.	53-136	L317789-01	WG329109
1,1-Dichloroethene	mg/l	0.0676	0.00	.05	135.	58-145	L317789-01	WG329109
1,1-Dichloropropene	mg/l	0.0550	0.00	.05	110.	58-126	L317789-01	WG329109
1,2,3-Trichlorobenzene	mg/l	0.0452	0.00	.05	90.3	48-127	L317789-01	WG329109
1,2,3-Trichloropropane	mg/l	0.0583	0.00	.05	117.	57-145	L317789-01	WG329109
1,2,4-Trichlorobenzene	mg/l	0.0396	0.00	.05	79.3	41-127	L317789-01	WG329109
1,2,4-Trimethylbenzene	mg/l	0.0449	0.00	.05	89.7	52-125	L317789-01	WG329109
1,2-Dibromo-3-Chloropropane	mg/l	0.0596	0.00	.05	119.	44-138	L317789-01	WG329109
1,2-Dibromoethane	mg/l	0.0515	0.00	.05	103.	64-126	L317789-01	WG329109
1,2-Dichlorobenzene	mg/l	0.0488	0.00	.05	97.5	50-127	L317789-01	WG329109
1,2-Dichloroethane	mg/l	0.0544	0.00	.05	109.	54-145	L317789-01	WG329109
1,2-Dichloropropane	mg/l	0.0495	0.00	.05	98.9	55-135	L317789-01	WG329109
1,3,5-Trimethylbenzene	mg/l	0.0510	0.00	.05	102.	54-125	L317789-01	WG329109
1,3-Dichlorobenzene	mg/l	0.0466	0.00	.05	93.2	47-128	L317789-01	WG329109
1,3-Dichloropropane	mg/l	0.0486	0.00	.05	97.2	64-125	L317789-01	WG329109
1,4-Dichlorobenzene	mg/l	0.0426	0.00	.05	85.1	47-123	L317789-01	WG329109
2,2-Dichloropropane	mg/l	0.0458	0.00	.05	91.6	44-143	L317789-01	WG329109
2-Butanone (MEK)	mg/l	0.300	0.00	.25	120.	47-133	L317789-01	WG329109
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	.25	0.0	28-148	L317789-01	WG329109
2-Chlorotoluene	mg/l	0.0516	0.00	.05	103.	51-135	L317789-01	WG329109
4-Chlorotoluene	mg/l	0.0495	0.00	.05	99.1	57-123	L317789-01	WG329109
4-Methyl-2-pentanone (MIBK)	mg/l	0.337	0.00	.25	135.	45-144	L317789-01	WG329109
Acetone	mg/l	0.285	0.0170	.25	107.	25-158	L317789-01	WG329109
Acrolein	mg/l	0.220	0.00	.25	88.0	25-128	L317789-01	WG329109
Acrylonitrile	mg/l	0.279	0.00	.25	111.	39-136	L317789-01	WG329109
Benzene	mg/l	0.0505	0.00	.05	101.	51-134	L317789-01	WG329109
Bromobenzene	mg/l	0.0509	0.00	.05	102.	60-131	L317789-01	WG329109
Bromodichloromethane	mg/l	0.0531	0.00	.05	106.	54-139	L317789-01	WG329109
Bromoform	mg/l	0.0503	0.00	.05	101.	52-144	L317789-01	WG329109
Bromomethane	mg/l	0.0536	0.00	.05	107.	21-131	L317789-01	WG329109
Carbon tetrachloride	mg/l	0.0558	0.00	.05	112.	51-147	L317789-01	WG329109
Chlorobenzene	mg/l	0.0469	0.00	.05	93.8	59-125	L317789-01	WG329109
Chlorodibromomethane	mg/l	0.0523	0.00	.05	105.	57-133	L317789-01	WG329109
Chloroethane	mg/l	0.0580	0.00	.05	116.	38-153	L317789-01	WG329109
Chloroform	mg/l	0.0494	0.00	.05	98.8	55-133	L317789-01	WG329109
Chloromethane	mg/l	0.0393	0.00	.05	78.6	39-135	L317789-01	WG329109
cis-1,2-Dichloroethene	mg/l	0.0483	0.00	.05	96.7	64-126	L317789-01	WG329109
cis-1,3-Dichloropropene	mg/l	0.0444	0.00	.05	88.8	54-122	L317789-01	WG329109
Di-isopropyl ether	mg/l	0.0508	0.00	.05	102.	53-132	L317789-01	WG329109
Dibromomethane	mg/l	0.0537	0.00	.05	107.	61-132	L317789-01	WG329109
Dichlorodifluoromethane	mg/l	0.0309	0.00	.05	61.8	26-153	L317789-01	WG329109
Ethylbenzene	mg/l	0.0513	0.00	.05	103.	55-125	L317789-01	WG329109
Hexachlorobutadiene	mg/l	0.0439	0.00	.05	87.7	51-109	L317789-01	WG329109
Isopropylbenzene	mg/l	0.0445	0.00	.05	89.0	59-127	L317789-01	WG329109
Methyl tert-butyl ether	mg/l	0.0520	0.00	.05	104.	50-137	L317789-01	WG329109
Methylene Chloride	mg/l	0.0485	0.00	.05	96.9	44-143	L317789-01	WG329109
n-Butylbenzene	mg/l	0.0474	0.00	.05	94.8	47-124	L317789-01	WG329109

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Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

n-Propylbenzene	mg/l	0.0501	0.00	.05	100.	53-124	L317789-01	WG329109

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Naphthalene	mg/l	0.0549	0.00	.05	110.	45-141	L317789-01	WG329109
p-Isopropyltoluene	mg/l	0.0432	0.00	.05	86.4	52-126	L317789-01	WG329109
sec-Butylbenzene	mg/l	0.0467	0.00	.05	93.4	54-127	L317789-01	WG329109
Styrene	mg/l	0.0436	0.00	.05	87.2	55-121	L317789-01	WG329109
tert-Butylbenzene	mg/l	0.0467	0.00	.05	93.5	57-128	L317789-01	WG329109
Tetrachloroethene	mg/l	0.0448	0.00	.05	89.5	53-128	L317789-01	WG329109
Toluene	mg/l	0.0482	0.00	.05	96.4	57-126	L317789-01	WG329109
trans-1,2-Dichloroethene	mg/l	0.0500	0.00	.05	100.	52-139	L317789-01	WG329109
trans-1,3-Dichloropropene	mg/l	0.0534	0.00	.05	107.	48-113	L317789-01	WG329109
Trichloroethene	mg/l	0.0496	0.00	.05	99.2	57-135	L317789-01	WG329109
Trichlorofluoromethane	mg/l	0.0578	0.00	.05	116.	42-134	L317789-01	WG329109
Vinyl chloride	mg/l	0.0386	0.00	.05	77.2	44-132	L317789-01	WG329109
Xylenes, Total	mg/l	0.147	0.00	.15	97.9	54-129	L317789-01	WG329109
1,1,1,2-Tetrachloroethane	mg/l	0.0476	0.00	.05	95.2	57-133	L317875-07	WG329330
1,1,1-Trichloroethane	mg/l	0.0484	0.00	.05	96.8	54-143	L317875-07	WG329330
1,1,2,2-Tetrachloroethane	mg/l	0.0535	0.00	.05	107.	58-134	L317875-07	WG329330
1,1,2-Trichloroethane	mg/l	0.0495	0.00	.05	99.1	58-125	L317875-07	WG329330
1,1-Dichloroethane	mg/l	0.0495	0.00	.05	99.0	53-136	L317875-07	WG329330
1,1-Dichloroethene	mg/l	0.0641	0.00	.05	128.	58-145	L317875-07	WG329330
1,1-Dichloropropene	mg/l	0.0519	0.00	.05	104.	58-126	L317875-07	WG329330
1,2,3-Trichlorobenzene	mg/l	0.0482	0.00	.05	96.5	48-127	L317875-07	WG329330
1,2,3-Trichloropropane	mg/l	0.0517	0.00	.05	103.	57-145	L317875-07	WG329330
1,2,4-Trichlorobenzene	mg/l	0.0439	0.00	.05	87.8	41-127	L317875-07	WG329330
1,2,4-Trimethylbenzene	mg/l	0.0444	0.00	.05	88.8	52-125	L317875-07	WG329330
1,2-Dibromo-3-Chloropropane	mg/l	0.0511	0.00	.05	102.	44-138	L317875-07	WG329330
1,2-Dibromoethane	mg/l	0.0486	0.00	.05	97.2	64-126	L317875-07	WG329330
1,2-Dichlorobenzene	mg/l	0.0479	0.00	.05	95.7	50-127	L317875-07	WG329330
1,2-Dichloroethane	mg/l	0.0535	0.00	.05	107.	54-145	L317875-07	WG329330
1,2-Dichloropropane	mg/l	0.0479	0.00	.05	95.9	55-135	L317875-07	WG329330
1,3,5-Trimethylbenzene	mg/l	0.0502	0.00	.05	100.	54-125	L317875-07	WG329330
1,3-Dichlorobenzene	mg/l	0.0482	0.00	.05	96.5	47-128	L317875-07	WG329330
1,3-Dichloropropane	mg/l	0.0476	0.00	.05	95.3	64-125	L317875-07	WG329330
1,4-Dichlorobenzene	mg/l	0.0432	0.00	.05	86.4	47-123	L317875-07	WG329330
2,2-Dichloropropane	mg/l	0.0437	0.00	.05	87.3	44-143	L317875-07	WG329330
2-Butanone (MEK)	mg/l	0.262	0.00	.25	105.	47-133	L317875-07	WG329330
2-Chloroethyl vinyl ether	mg/l	0.0316	0.00	.25	12.6	28-148	L317875-07	WG329330
2-Chlorotoluene	mg/l	0.0496	0.00	.05	99.2	51-135	L317875-07	WG329330
4-Chlorotoluene	mg/l	0.0491	0.00	.05	98.2	57-123	L317875-07	WG329330
4-Methyl-2-pentanone (MIBK)	mg/l	0.315	0.00	.25	126.	45-144	L317875-07	WG329330
Acetone	mg/l	0.248	0.00	.25	99.1	25-158	L317875-07	WG329330
Acrolein	mg/l	0.230	0.00	.25	92.0	25-128	L317875-07	WG329330
Acrylonitrile	mg/l	0.253	0.00	.25	101.	39-136	L317875-07	WG329330
Benzene	mg/l	0.0482	0.00	.05	96.4	51-134	L317875-07	WG329330
Bromobenzene	mg/l	0.0493	0.00	.05	98.5	60-131	L317875-07	WG329330
Bromodichloromethane	mg/l	0.0514	0.00	.05	103.	54-139	L317875-07	WG329330
Bromoform	mg/l	0.0469	0.00	.05	93.9	52-144	L317875-07	WG329330
Bromomethane	mg/l	0.0444	0.00	.05	88.8	21-131	L317875-07	WG329330
Carbon tetrachloride	mg/l	0.0524	0.00	.05	105.	51-147	L317875-07	WG329330
Chlorobenzene	mg/l	0.0459	0.00	.05	91.8	59-125	L317875-07	WG329330
Chlorodibromomethane	mg/l	0.0487	0.00	.05	97.4	57-133	L317875-07	WG329330
Chloroethane	mg/l	0.0459	0.00	.05	91.8	38-153	L317875-07	WG329330
Chloroform	mg/l	0.0474	0.00	.05	94.7	55-133	L317875-07	WG329330
Chloromethane	mg/l	0.0316	0.00	.05	63.2	39-135	L317875-07	WG329330
cis-1,2-Dichloroethene	mg/l	0.0474	0.00	.05	94.8	64-126	L317875-07	WG329330
cis-1,3-Dichloropropene	mg/l	0.0485	0.00	.05	97.0	54-122	L317875-07	WG329330
Di-isopropyl ether	mg/l	0.0502	0.00	.05	100.	53-132	L317875-07	WG329330
Dibromomethane	mg/l	0.0537	0.00	.05	107.	61-132	L317875-07	WG329330
Dichlorodifluoromethane	mg/l	0.0383	0.00	.05	76.7	26-153	L317875-07	WG329330

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Est. 1970

TerraQuest Environmental Consultants PC
Mr. Ryan Kerins
100 East Ruffin Street

Mebane, NC 27302

Quality Assurance Report
Level II

L317799

November 09, 2007

Ethylbenzene	mg/l	0.0490	0.00	.05	97.9	55-125	L317875-07	WG329330

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Hexachlorobutadiene	mg/l	0.0433	0.00	.05	86.7	51-109	L317875-07	WG329330
Isopropylbenzene	mg/l	0.0419	0.00	.05	83.9	59-127	L317875-07	WG329330
Methyl tert-butyl ether	mg/l	0.0496	0.00	.05	99.1	50-137	L317875-07	WG329330
Methylene Chloride	mg/l	0.0471	0.00	.05	94.2	44-143	L317875-07	WG329330
n-Butylbenzene	mg/l	0.0474	0.00	.05	94.9	47-124	L317875-07	WG329330
n-Propylbenzene	mg/l	0.0477	0.00	.05	95.4	53-124	L317875-07	WG329330
Naphthalene	mg/l	0.0532	0.00	.05	106.	45-141	L317875-07	WG329330
p-Isopropyltoluene	mg/l	0.0423	0.00	.05	84.6	52-126	L317875-07	WG329330
sec-Butylbenzene	mg/l	0.0437	0.00	.05	87.4	54-127	L317875-07	WG329330
Styrene	mg/l	0.0435	0.00	.05	87.1	55-121	L317875-07	WG329330
tert-Butylbenzene	mg/l	0.0435	0.00	.05	87.1	57-128	L317875-07	WG329330
Tetrachloroethene	mg/l	0.0495	0.0088	.05	81.5	53-128	L317875-07	WG329330
Toluene	mg/l	0.0472	0.00	.05	94.4	57-126	L317875-07	WG329330
trans-1,2-Dichloroethene	mg/l	0.0497	0.00	.05	99.5	52-139	L317875-07	WG329330
trans-1,3-Dichloropropene	mg/l	0.0546	0.00	.05	109.	48-113	L317875-07	WG329330
Trichloroethene	mg/l	0.0483	0.00	.05	96.7	57-135	L317875-07	WG329330
Trichlorofluoromethane	mg/l	0.0469	0.00	.05	93.8	42-134	L317875-07	WG329330
Vinyl chloride	mg/l	0.0323	0.00	.05	64.7	44-132	L317875-07	WG329330
Xylenes, Total	mg/l	0.144	0.00	.15	95.8	54-129	L317875-07	WG329330

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Arsenic	mg/l	1.03	0.986	4.37	20	103.	L317799-02	WG328600
Barium	mg/l	1.08	1.01	6.70	20	102.	L317799-02	WG328600
Cadmium	mg/l	1.04	0.970	6.97	20	104.	L317799-02	WG328600
Chromium	mg/l	1.01	0.955	5.60	20	101.	L317799-02	WG328600
Lead	mg/l	1.05	0.995	5.38	20	105.	L317799-02	WG328600
Selenium	mg/l	1.12	1.06	5.50	20	112.	L317799-02	WG328600
Silver	mg/l	1.01	0.940	7.18	20	101.	L317799-02	WG328600
Mercury	mg/l	0.0028	0.0025	10.0	20	94.3	L318062-28	WG328895
1,1,1,2-Tetrachloroethane	mg/l	0.964	0.983	1.95	21	96.4	L318062-27	WG328954
1,1,1-Trichloroethane	mg/l	0.859	0.902	4.89	22	85.9	L318062-27	WG328954
1,1,2,2-Tetrachloroethane	mg/l	1.13	1.12	0.737	27	113.	L318062-27	WG328954
1,1,2-Trichloroethane	mg/l	1.01	1.01	0.762	19	101.	L318062-27	WG328954
1,1-Dichloroethane	mg/l	0.904	0.965	6.46	22	82.3	L318062-27	WG328954
1,1-Dichloroethene	mg/l	0.786	0.810	3.10	22	67.6	L318062-27	WG328954
1,1-Dichloropropene	mg/l	0.753	0.787	4.41	20	75.3	L318062-27	WG328954
1,2,3-Trichlorobenzene	mg/l	1.01	0.965	4.68	26	101.	L318062-27	WG328954
1,2,3-Trichloropropane	mg/l	1.10	1.09	1.09	24	110.	L318062-27	WG328954
1,2,4-Trichlorobenzene	mg/l	1.01	0.959	4.78	26	101.	L318062-27	WG328954
1,2,4-Trimethylbenzene	mg/l	0.952	0.983	3.15	26	95.2	L318062-27	WG328954
1,2-Dibromo-3-Chloropropane	mg/l	1.13	1.08	3.92	27	113.	L318062-27	WG328954
1,2-Dibromoethane	mg/l	0.971	0.966	0.443	19	97.1	L318062-27	WG328954
1,2-Dichlorobenzene	mg/l	0.928	0.923	0.487	19	92.8	L318062-27	WG328954
1,2-Dichloroethane	mg/l	0.864	0.907	4.88	21	86.4	L318062-27	WG328954
1,2-Dichloropropane	mg/l	0.893	0.933	4.38	20	89.3	L318062-27	WG328954
1,3,5-Trimethylbenzene	mg/l	0.932	0.962	3.09	27	93.2	L318062-27	WG328954
1,3-Dichlorobenzene	mg/l	0.970	0.988	1.86	25	97.0	L318062-27	WG328954
1,3-Dichloropropane	mg/l	0.917	0.930	1.44	19	91.7	L318062-27	WG328954
1,4-Dichlorobenzene	mg/l	0.882	0.879	0.368	18	88.2	L318062-27	WG328954
2,2-Dichloropropane	mg/l	0.628	0.635	1.08	19	62.8	L318062-27	WG328954
2-Butanone (MEK)	mg/l	5.41	5.39	0.469	22	108.	L318062-27	WG328954
2-Chloroethyl vinyl ether	mg/l	0.109	0.126	14.6	18	2.18	L318062-27	WG328954
2-Chlorotoluene	mg/l	0.903	0.928	2.78	28	90.3	L318062-27	WG328954
4-Chlorotoluene	mg/l	0.929	0.965	3.81	25	92.9	L318062-27	WG328954
4-Methyl-2-pentanone (MIBK)	mg/l	5.40	5.35	0.938	25	108.	L318062-27	WG328954

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Acetone	mg/l	6.11	6.24	2.00	33	122.	L318062-27	WG328954

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Acrolein	mg/l	4.99	5.00	0.216	15	99.7	L318062-27	WG328954
Acrylonitrile	mg/l	4.99	5.13	2.61	25	99.9	L318062-27	WG328954
Benzene	mg/l	0.777	0.808	3.88	18	77.7	L318062-27	WG328954
Bromobenzene	mg/l	0.918	0.942	2.55	22	91.8	L318062-27	WG328954
Bromodichloromethane	mg/l	0.999	1.03	3.37	19	99.9	L318062-27	WG328954
Bromoform	mg/l	0.936	0.927	0.904	21	93.6	L318062-27	WG328954
Bromomethane	mg/l	0.879	0.735	17.9	24	87.9	L318062-27	WG328954
Carbon tetrachloride	mg/l	0.946	0.994	4.99	23	94.6	L318062-27	WG328954
Chlorobenzene	mg/l	0.932	0.955	2.41	22	93.2	L318062-27	WG328954
Chlorodibromomethane	mg/l	0.955	0.972	1.79	19	95.5	L318062-27	WG328954
Chloroethane	mg/l	0.691	0.757	8.99	25	69.1	L318062-27	WG328954
Chloroform	mg/l	0.877	0.913	4.00	20	87.7	L318062-27	WG328954
Chloromethane	mg/l	0.645	0.650	0.843	23	64.5	L318062-27	WG328954
cis-1,2-Dichloroethene	mg/l	3.20	3.32	3.63	18	70.4	L318062-27	WG328954
cis-1,3-Dichloropropene	mg/l	0.798	0.791	0.891	22	79.8	L318062-27	WG328954
Di-isopropyl ether	mg/l	0.863	0.889	2.91	20	86.3	L318062-27	WG328954
Dibromomethane	mg/l	0.916	0.924	0.913	19	91.6	L318062-27	WG328954
Dichlorodifluoromethane	mg/l	0.714	0.724	1.35	25	71.4	L318062-27	WG328954
Ethylbenzene	mg/l	0.960	0.982	2.24	20	96.0	L318062-27	WG328954
Hexachlorobutadiene	mg/l	0.893	0.873	2.24	22	89.3	L318062-27	WG328954
Isopropylbenzene	mg/l	0.916	0.948	3.49	26	91.6	L318062-27	WG328954
Methyl tert-butyl ether	mg/l	0.844	0.865	2.36	21	84.4	L318062-27	WG328954
Methylene Chloride	mg/l	0.759	0.776	2.18	22	75.9	L318062-27	WG328954
n-Butylbenzene	mg/l	0.883	0.874	1.03	20	88.3	L318062-27	WG328954
n-Propylbenzene	mg/l	0.877	0.905	3.11	26	87.7	L318062-27	WG328954
Naphthalene	mg/l	1.11	1.02	8.32	25	111.	L318062-27	WG328954
p-Isopropyltoluene	mg/l	0.974	1.00	2.75	20	97.4	L318062-27	WG328954
sec-Butylbenzene	mg/l	0.936	0.966	3.13	20	93.6	L318062-27	WG328954
Styrene	mg/l	1.01	1.04	3.28	27	101.	L318062-27	WG328954
tert-Butylbenzene	mg/l	0.978	1.03	4.79	26	97.8	L318062-27	WG328954
Tetrachloroethene	mg/l	0.780	0.807	3.38	24	78.0	L318062-27	WG328954
Toluene	mg/l	0.805	0.831	3.27	26	80.5	L318062-27	WG328954
trans-1,2-Dichloroethene	mg/l	0.819	0.875	6.58	24	65.9	L318062-27	WG328954
trans-1,3-Dichloropropene	mg/l	0.902	0.876	2.97	22	90.2	L318062-27	WG328954
Trichloroethene	mg/l	2.75	2.86	3.91	23	64.6	L318062-27	WG328954
Trichlorofluoromethane	mg/l	0.763	0.792	3.71	21	76.3	L318062-27	WG328954
Vinyl chloride	mg/l	0.757	0.793	4.66	24	65.8	L318062-27	WG328954
Xylenes, Total	mg/l	2.83	2.90	2.66	24	94.2	L318062-27	WG328954
1,1,1,2-Tetrachloroethane	mg/l	0.0424	0.0489	14.3	21	84.8	L317789-01	WG329109
1,1,1-Trichloroethane	mg/l	0.0435	0.0517	17.2	22	87.0	L317789-01	WG329109
1,1,2,2-Tetrachloroethane	mg/l	0.0520	0.0587	12.0	27	104.	L317789-01	WG329109
1,1,2-Trichloroethane	mg/l	0.0451	0.0503	10.9	19	90.1	L317789-01	WG329109
1,1-Dichloroethane	mg/l	0.0449	0.0526	15.8	22	89.8	L317789-01	WG329109
1,1-Dichloroethene	mg/l	0.0571	0.0676	16.7	22	114.	L317789-01	WG329109
1,1-Dichloropropene	mg/l	0.0461	0.0550	17.7	20	92.2	L317789-01	WG329109
1,2,3-Trichlorobenzene	mg/l	0.0384	0.0452	16.1	26	76.9	L317789-01	WG329109
1,2,3-Trichloropropane	mg/l	0.0499	0.0583	15.5	24	99.8	L317789-01	WG329109
1,2,4-Trichlorobenzene	mg/l	0.0322	0.0396	20.6	26	64.5	L317789-01	WG329109
1,2,4-Trimethylbenzene	mg/l	0.0359	0.0449	22.3	26	71.8	L317789-01	WG329109
1,2-Dibromo-3-Chloropropane	mg/l	0.0539	0.0596	9.96	27	108.	L317789-01	WG329109
1,2-Dibromoethane	mg/l	0.0470	0.0515	9.02	19	94.1	L317789-01	WG329109
1,2-Dichlorobenzene	mg/l	0.0408	0.0488	17.8	19	81.6	L317789-01	WG329109
1,2-Dichloroethane	mg/l	0.0462	0.0544	16.1	21	92.5	L317789-01	WG329109
1,2-Dichloropropane	mg/l	0.0433	0.0495	13.2	20	86.6	L317789-01	WG329109
1,3,5-Trimethylbenzene	mg/l	0.0415	0.0510	20.5	27	82.9	L317789-01	WG329109
1,3-Dichlorobenzene	mg/l	0.0380	0.0466	20.3	25	76.0	L317789-01	WG329109
1,3-Dichloropropane	mg/l	0.0434	0.0486	11.3	19	86.8	L317789-01	WG329109
1,4-Dichlorobenzene	mg/l	0.0357	0.0426	17.7	18	71.3	L317789-01	WG329109

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2,2-Dichloropropane	mg/l	0.0377	0.0458	19.5	19	75.3	L317789-01	WG329109

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
2-Butanone (MEK)	mg/l	0.275	0.300	8.82	22	110.	L317789-01	WG329109
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	0.00	18	0.00	L317789-01	WG329109
2-Chlorotoluene	mg/l	0.0416	0.0516	21.6	28	83.1	L317789-01	WG329109
4-Chlorotoluene	mg/l	0.0399	0.0495	21.6	25	79.8	L317789-01	WG329109
4-Methyl-2-pentanone (MIBK)	mg/l	0.292	0.337	14.2	25	117.	L317789-01	WG329109
Acetone	mg/l	0.261	0.285	8.93	33	97.5	L317789-01	WG329109
Acrolein	mg/l	0.206	0.220	6.47	15	82.5	L317789-01	WG329109
Acrylonitrile	mg/l	0.259	0.279	7.20	25	104.	L317789-01	WG329109
Benzene	mg/l	0.0427	0.0505	16.7	18	85.4	L317789-01	WG329109
Bromobenzene	mg/l	0.0418	0.0509	19.5	22	83.7	L317789-01	WG329109
Bromodichloromethane	mg/l	0.0447	0.0531	17.2	19	89.3	L317789-01	WG329109
Bromoform	mg/l	0.0432	0.0503	15.0	21	86.5	L317789-01	WG329109
Bromomethane	mg/l	0.0474	0.0536	12.3	24	94.8	L317789-01	WG329109
Carbon tetrachloride	mg/l	0.0464	0.0558	18.4	23	92.8	L317789-01	WG329109
Chlorobenzene	mg/l	0.0408	0.0469	13.9	22	81.6	L317789-01	WG329109
Chlorodibromomethane	mg/l	0.0468	0.0523	11.1	19	93.6	L317789-01	WG329109
Chloroethane	mg/l	0.0490	0.0580	16.8	25	97.9	L317789-01	WG329109
Chloroform	mg/l	0.0419	0.0494	16.4	20	83.8	L317789-01	WG329109
Chloromethane	mg/l	0.0389	0.0393	0.953	23	77.8	L317789-01	WG329109
cis-1,2-Dichloroethene	mg/l	0.0422	0.0483	13.5	18	84.4	L317789-01	WG329109
cis-1,3-Dichloropropene	mg/l	0.0384	0.0444	14.5	22	76.8	L317789-01	WG329109
Di-isopropyl ether	mg/l	0.0459	0.0508	10.1	20	91.8	L317789-01	WG329109
Dibromomethane	mg/l	0.0475	0.0537	12.2	19	94.9	L317789-01	WG329109
Dichlorodifluoromethane	mg/l	0.0322	0.0309	4.26	25	64.5	L317789-01	WG329109
Ethylbenzene	mg/l	0.0423	0.0513	19.3	20	84.6	L317789-01	WG329109
Hexachlorobutadiene	mg/l	0.0337	0.0439	26.3	22	67.3	L317789-01	WG329109
Isopropylbenzene	mg/l	0.0361	0.0445	20.7	26	72.3	L317789-01	WG329109
Methyl tert-butyl ether	mg/l	0.0476	0.0520	8.72	21	95.3	L317789-01	WG329109
Methylene Chloride	mg/l	0.0429	0.0485	12.1	22	85.8	L317789-01	WG329109
n-Butylbenzene	mg/l	0.0371	0.0474	24.4	20	74.2	L317789-01	WG329109
n-Propylbenzene	mg/l	0.0396	0.0501	23.2	26	79.3	L317789-01	WG329109
Naphthalene	mg/l	0.0471	0.0549	15.3	25	94.2	L317789-01	WG329109
p-Isopropyltoluene	mg/l	0.0345	0.0432	22.3	20	69.1	L317789-01	WG329109
sec-Butylbenzene	mg/l	0.0370	0.0467	23.0	20	74.1	L317789-01	WG329109
Styrene	mg/l	0.0365	0.0436	17.9	27	72.9	L317789-01	WG329109
tert-Butylbenzene	mg/l	0.0380	0.0467	20.7	26	76.0	L317789-01	WG329109
Tetrachloroethene	mg/l	0.0363	0.0448	21.0	24	72.5	L317789-01	WG329109
Toluene	mg/l	0.0390	0.0482	21.1	26	78.0	L317789-01	WG329109
trans-1,2-Dichloroethene	mg/l	0.0436	0.0500	13.8	24	87.2	L317789-01	WG329109
trans-1,3-Dichloropropene	mg/l	0.0446	0.0534	18.0	22	89.2	L317789-01	WG329109
Trichloroethene	mg/l	0.0407	0.0496	19.7	23	81.5	L317789-01	WG329109
Trichlorofluoromethane	mg/l	0.0496	0.0578	15.2	21	99.3	L317789-01	WG329109
Vinyl chloride	mg/l	0.0383	0.0386	0.612	24	76.7	L317789-01	WG329109
Xylenes, Total	mg/l	0.121	0.147	19.3	24	80.7	L317789-01	WG329109
1,1,1,2-Tetrachloroethane	mg/l	0.0482	0.0476	1.18	21	96.3	L317875-07	WG329330
1,1,1-Trichloroethane	mg/l	0.0506	0.0484	4.41	22	101.	L317875-07	WG329330
1,1,2,2-Tetrachloroethane	mg/l	0.0537	0.0535	0.262	27	107.	L317875-07	WG329330
1,1,2-Trichloroethane	mg/l	0.0515	0.0495	3.86	19	103.	L317875-07	WG329330
1,1-Dichloroethane	mg/l	0.0529	0.0495	6.65	22	106.	L317875-07	WG329330
1,1-Dichloroethene	mg/l	0.0704	0.0641	9.39	22	141.	L317875-07	WG329330
1,1-Dichloropropene	mg/l	0.0553	0.0519	6.44	20	111.	L317875-07	WG329330
1,2,3-Trichlorobenzene	mg/l	0.0497	0.0482	2.99	26	99.4	L317875-07	WG329330
1,2,3-Trichloropropane	mg/l	0.0529	0.0517	2.38	24	106.	L317875-07	WG329330
1,2,4-Trichlorobenzene	mg/l	0.0455	0.0439	3.64	26	91.1	L317875-07	WG329330
1,2,4-Trimethylbenzene	mg/l	0.0437	0.0444	1.60	26	87.3	L317875-07	WG329330
1,2-Dibromo-3-Chloropropane	mg/l	0.0570	0.0511	10.9	27	114.	L317875-07	WG329330
1,2-Dibromoethane	mg/l	0.0516	0.0486	5.97	19	103.	L317875-07	WG329330
1,2-Dichlorobenzene	mg/l	0.0508	0.0479	5.96	19	102.	L317875-07	WG329330

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Mr. Ryan Kerins
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Quality Assurance Report
Level II

L317799

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1,2-Dichloroethane	mg/l	0.0560	0.0535	4.53	21	112.	L317875-07	WG329330

		Matrix Spike Duplicate						
Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,2-Dichloropropane	mg/l	0.0507	0.0479	5.67	20	101.	L317875-07	WG329330
1,3,5-Trimethylbenzene	mg/l	0.0496	0.0502	1.20	27	99.2	L317875-07	WG329330
1,3-Dichlorobenzene	mg/l	0.0464	0.0482	3.80	25	92.9	L317875-07	WG329330
1,3-Dichloropropane	mg/l	0.0489	0.0476	2.68	19	97.9	L317875-07	WG329330
1,4-Dichlorobenzene	mg/l	0.0454	0.0432	5.01	18	90.8	L317875-07	WG329330
2,2-Dichloropropane	mg/l	0.0483	0.0437	10.2	19	96.6	L317875-07	WG329330
2-Butanone (MEK)	mg/l	0.279	0.262	6.23	22	112.	L317875-07	WG329330
2-Chloroethyl vinyl ether	mg/l	0.0004	0.0316	195.	18	0.169	L317875-07	WG329330
2-Chlorotoluene	mg/l	0.0505	0.0496	1.79	28	101.	L317875-07	WG329330
4-Chlorotoluene	mg/l	0.0494	0.0491	0.640	25	98.8	L317875-07	WG329330
4-Methyl-2-pentanone (MIBK)	mg/l	0.322	0.315	2.07	25	129.	L317875-07	WG329330
Acetone	mg/l	0.264	0.248	6.46	33	106.	L317875-07	WG329330
Acrolein	mg/l	0.223	0.230	2.94	15	89.4	L317875-07	WG329330
Acrylonitrile	mg/l	0.275	0.253	8.55	25	110.	L317875-07	WG329330
Benzene	mg/l	0.0514	0.0482	6.30	18	103.	L317875-07	WG329330
Bromobenzene	mg/l	0.0492	0.0493	0.0521	22	98.5	L317875-07	WG329330
Bromodichloromethane	mg/l	0.0528	0.0514	2.72	19	106.	L317875-07	WG329330
Bromoform	mg/l	0.0470	0.0469	0.154	21	94.0	L317875-07	WG329330
Bromomethane	mg/l	0.0488	0.0444	9.53	24	97.6	L317875-07	WG329330
Carbon tetrachloride	mg/l	0.0558	0.0524	6.39	23	112.	L317875-07	WG329330
Chlorobenzene	mg/l	0.0481	0.0459	4.70	22	96.2	L317875-07	WG329330
Chlorodibromomethane	mg/l	0.0529	0.0487	8.30	19	106.	L317875-07	WG329330
Chloroethane	mg/l	0.0493	0.0459	7.19	25	98.7	L317875-07	WG329330
Chloroform	mg/l	0.0490	0.0474	3.36	20	97.9	L317875-07	WG329330
Chloromethane	mg/l	0.0388	0.0316	20.4	23	77.5	L317875-07	WG329330
cis-1,2-Dichloroethene	mg/l	0.0502	0.0474	5.81	18	100.	L317875-07	WG329330
cis-1,3-Dichloropropene	mg/l	0.0499	0.0485	2.90	22	99.9	L317875-07	WG329330
Di-isopropyl ether	mg/l	0.0536	0.0502	6.54	20	107.	L317875-07	WG329330
Dibromomethane	mg/l	0.0535	0.0537	0.290	19	107.	L317875-07	WG329330
Dichlorodifluoromethane	mg/l	0.0480	0.0383	22.4	25	96.0	L317875-07	WG329330
Ethylbenzene	mg/l	0.0517	0.0490	5.43	20	103.	L317875-07	WG329330
Hexachlorobutadiene	mg/l	0.0463	0.0433	6.65	22	92.6	L317875-07	WG329330
Isopropylbenzene	mg/l	0.0437	0.0419	4.03	26	87.3	L317875-07	WG329330
Methyl tert-butyl ether	mg/l	0.0533	0.0496	7.26	21	107.	L317875-07	WG329330
Methylene Chloride	mg/l	0.0500	0.0471	5.97	22	100.	L317875-07	WG329330
n-Butylbenzene	mg/l	0.0503	0.0474	5.86	20	101.	L317875-07	WG329330
n-Propylbenzene	mg/l	0.0481	0.0477	0.883	26	96.2	L317875-07	WG329330
Naphthalene	mg/l	0.0559	0.0532	4.99	25	112.	L317875-07	WG329330
p-Isopropyltoluene	mg/l	0.0429	0.0423	1.46	20	85.9	L317875-07	WG329330
sec-Butylbenzene	mg/l	0.0438	0.0437	0.189	20	87.5	L317875-07	WG329330
Styrene	mg/l	0.0448	0.0435	2.88	27	89.6	L317875-07	WG329330
tert-Butylbenzene	mg/l	0.0435	0.0435	0.0980	26	87.0	L317875-07	WG329330
Tetrachloroethene	mg/l	0.0514	0.0495	3.61	24	85.1	L317875-07	WG329330
Toluene	mg/l	0.0486	0.0472	2.99	26	97.3	L317875-07	WG329330
trans-1,2-Dichloroethene	mg/l	0.0527	0.0497	5.74	24	105.	L317875-07	WG329330
trans-1,3-Dichloropropene	mg/l	0.0575	0.0546	5.19	22	115.	L317875-07	WG329330
Trichloroethene	mg/l	0.0499	0.0483	3.18	23	99.8	L317875-07	WG329330
Trichlorofluoromethane	mg/l	0.0516	0.0469	9.48	21	103.	L317875-07	WG329330
Vinyl chloride	mg/l	0.0393	0.0323	19.3	24	78.5	L317875-07	WG329330
Xylenes, Total	mg/l	0.147	0.144	2.28	24	98.0	L317875-07	WG329330

Batch number /Run number / Sample number cross reference

WG328600: R340341: L317799-01 02 03 04 05 06 07
WG328842: R340482: L317799-01 02
WG328954: R340566: L317799-03
WG328895: R340654: L317799-01 02 03 04 05 06 07
WG329109: R340750: L317799-04 05 06

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WG329330: R341035: L317799-07

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

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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.

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.

Gas Screening

Volatile organic compounds (VOC) concentrations are measured using a Thermo Electron Corp. Innova Series catalytic organic vapor monitor (OVM). The OVM instrument is periodically calibrated according to the manufacturer's recommended procedures.

The OVM is a qualitative tool employed to detect and estimate the concentration of volatile organic vapors such as methane. A thin probe attached to the OVM is connected to a sampling location and air from the location is drawn through the probe into an internal chamber where the vapors are catalyzed. The concentration of the VOCs is registered on a digital scale in parts per million. Oxygen levels are field calibrated prior to each use. VOC calibration occurs periodically depending upon use by using a span gas of known concentration in a process recommended by the manufacturer.