BC02397

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).
- 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):

Joyce Engineering, Inc.

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

Name: Jeremey J. Kerly Phone: (336) 323-0092

E-mail: jkerly@joyceengineering.com

Received 2007 Waste Management

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wilkes County - Dan Johnson Landfill	Mailing Address: 9219 Elkin Highway Roaring River, NC 28669	~~79-02~~ 97-02	.0500	December 20, 2006

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 or explosive methane gas limits 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.

Hannu Kemppinen — Facility Representative Name (Print)
Sr. Proj. Consultant — Title
336-323-0092 — (Area Code) Telephone Number

Hannu Kemppinen — Signature
April 26 2007 — Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1490 GEOLOGIST HANNU M. A. KEMPPINEN

Revised 10/2006

Prepared for:

Wilkes County Department of Solid Waste
9219 Elkin Highway
Roaring River, North Carolina 28669

JEI Project Number 356.00, Task 34

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2006 WILKES COUNTY, NC – DAN JOHNSON LANDFILL

April 2007

Prepared by:

ENGINEERING, INC.

2211 West Meadowview Road, Suite 101
Greensboro, North Carolina 27407
Phone: (336) 323-0092
Fax: (336) 323-0093

ENGINEERING, INC.

Waste Industry Experts

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fax: 336/323-0093

www.JoyceEngineering.com

April 25, 2007

Mr. Ethan Brown
Division of Waste Management/Solid Waste Section
1647 Mail Service Center
Raleigh, NC 27699-1646

RE: Second Semiannual Groundwater Monitoring Reports of 2006
Wilkes County Landfills - Roaring River, Dan Johnson and Germanton
JEI Project No. 356.00, Task 34

Dear Ethan:

On behalf of Wilkes County, Joyce Engineering, Inc. (JEI) is submitting the enclosed statistical analysis of the December 7, 2006, groundwater monitoring data for the Wilkes County (Roaring River) Landfill. The facility is monitoring in accordance with the Detection Monitoring Program described in Rule .1633. Research and Analytical Laboratories, Inc. (RAL) of Kernersville, NC performed the sampling and laboratory analysis. No organic constituents were detected at statistically significant concentrations in the downgradient monitoring wells during this sampling event. Vanadium was detected in MW-7 while zinc was detected in MW-7, MW-9, and MW-18. The inorganic detections are not considered statistically significant concentrations. The leachate results from this facility are also included in this report. These results can be found in the *Laboratory Reports and Field Data* section of the report.

Also enclosed with this letter are the compliance monitoring reports for the second semiannual monitoring events at the closed Dan Johnson and Germanton Landfills. These events took place on December 20, 2006, and November 9, 2006, respectively. Sampling and laboratory analysis were performed by RAL.

At the Dan Johnson Landfill, the following organic constituents were detected in MW-1: 1,1-dichloroethane, benzene, chloroethane, 1,4-dichlorobenzene, and cis-1,2-dichloroethene. MW-2 organic constituent detections consisted of methylene chloride, chlorobenzene, 1,4-dichlorobenzene, and cis-1,2-dichloroethene. MW-3 organic constituent detections are 1,4-dichlorobenzene and cis-1,2-dichloroethene. Detections of benzene in MW-1 and 1,4-dichlorobenzene in MW-1, -2, &-3 exceeded the NC 2L Standard. Barium, copper, and zinc were the inorganic constituents detected during the December 2006 sampling event. Copper was detected in MW-1 and zinc was detected in MW-2. Barium was detected in MW-3 and the downstream surface water sampling point. These detections are generally consistent with previous results.

At the Germanton Landfill, chlorobenzene in MW-5 was the only organic constituent reported to be present during this sampling event. This detected concentration is below the NC 2L Standard and is consistent with previous events. Cobalt was the only inorganic constituents detected during the November 2006 sampling. Cobalt was detected in MW-4 and MW-5 at concentrations below the NC 2L Standard. These detections are consistent with previous results.

The three facilities will continue monitoring for the NC Appendix I list of constituents. Two additional copies of this letter are enclosed for your files. If you have any questions, please feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Jeremey J. Kerly
Staff Consultant

Enclosure

C: Thomas D. Livingston - Wilkes County, Solid Waste Director
File

P:\Wilkes\GROUNDWATER\STAT REPORTS\Nov-Dec 2006 Stats\Wilkes County Report Letter Nov-Dec 2006.doc

Wilkes County - Dan Johnson Landfill
Summary of Detected Constituents During
the December 2006 Sampling Event

Constituent	RL	Concentrations (µg/L)			
		MW-1	MW-2	MW-3	Downstream
Barium	100	ND	ND (ND)	152	1660
Copper	10	12	ND (ND)	ND	ND
Zinc	10	ND	28 (27)	ND	ND
Benzene	5	3.3 J	ND (ND)	ND	ND
Chlorobenzene	5	ND	1.7 J (1.5 J)	ND	ND
Chloroethane	10	8.4 J	ND (ND)	ND	ND
1,4-Dichlorobenzene	5	4.6 J	4.3 J (3.8 J)	4.2 J	ND
1,1-Dichloroethane	5	1.6 J	ND (ND)	ND	ND
Cis-1,2-Dichloroethene	5	17	4.4 J (4.1 J)	2.1 J	ND
Methylene Chloride	5	ND	1.4 J (ND)	ND	ND

Notes:
1. ND = Non-detect
2. - = Not analyzed
3. Shaded values are above the NC 2L Groundwater Quality Standard
4. J = Estimated concentrations
5. Values in parentheses are duplicate samples.

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Antimony	Apr-93	30	—	—	—	—	—	—
[NE]	Sep-93	30	—	—	—	—	—	—
{6}	Apr-94	30	—	—	—	—	—	—
	Oct-94	30	30	BQL	BQL	BQL	BQL	—
	Apr-95	30	BQL	BQL	BQL	BQL	BQL	—
	Nov-95	30	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	30	BQL	BQL	BQL	BQL	BQL	—
	Nov-96	30	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	30	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	30	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	30	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	30	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	30	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	30	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	30	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	30	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	30	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	30	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	30	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	30	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	30	BQL	BQL	BQL (BQL)	BQL	BQL	BQL
	Jun-06	30	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	6	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Barium	Apr-93	100	<100	<100	698	<50	<50	—
[2000]	Sep-93	250	<250	<250	371	<250	<250	—
{2000}	Apr-94	250	<250	<250	<250	<125	<125	—
	Oct-94	500	BQL	BQL	BQL	BQL	BQL	—
	Apr-95	500	BQL	BQL	602	BQL	BQL	—
	Nov-95	500	BQL	BQL	BQL	BQL	BQL	—
	May-96	500	BQL	BQL	BQL	BQL	BQL	—
	Nov-96	500	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	500	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	500	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	500	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	500	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	500	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	500	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	500	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	500	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	500	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	500	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	500	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	500	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	500	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	100	BQL	BQL(BQL)	152	BQL	1660	BQL
Beryllium	Apr-93	2	—	—	—	—	—	—
[NE]	Sep-93	2	—	—	—	—	—	—
{4}	Apr-94	2	—	—	—	—	—	—
	Oct-94	2	BQL	BQL	BQL	BQL	BQL	—
	Apr-95	2	BQL	3	BQL	BQL	BQL	—
	Nov-95	2	BQL	2	BQL	BQL	BQL	—
	May-96	2	2	4	BQL	2	2	—
	Nov-96	2	BQL	2	6	BQL	BQL	BQL
	Mar-97	2	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	2	BQL	2	BQL	BQL	BQL	BQL
	Mar-98	2	BQL	2	BQL	BQL	BQL	BQL
	Sep-98	2	BQL	4	BQL(BQL)	BQL	BQL	BQL
	Mar-99	2	BQL	2	BQL	BQL	BQL	BQL
	Sep-99	2	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	2	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	2	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	2	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	2	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	2	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	2	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	2	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	2	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	1	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Cadmium	Apr-93	1	<2	2.1	<2	<2	<2	---
[1.75]	Sep-93	1	<2	<2	<2	<2	<2	—
{5}	Apr-94	1	<2	4	<2	<2	<2	—
	Oct-94	1	1.8	BQL	2.7	1	BQL	---
	Apr-95	1	BQL	BQL	1	BQL	BQL	—
	Nov-95	1	2	1.8	1.5	BQL	BQL	---
	May-96	1	BQL	2	2	BQL	BQL	BQL
	Nov-96	1	BQL	2	1	BQL	BQL	BQL
	Mar-97	1	BQL	3	BQL	1	BQL	BQL
	Sep-97	1	BQL	3	BQL	2	BQL	BQL
	Mar-98	1	BQL	3	BQL	BQL	BQL	BQL
	Oct-94	1	1.8	BQL	2.7	1	BQL	---
	Sep-98	1	BQL	3	BQL(1)	1	BQL	BQL
	Mar-99	1	BQL	3(1)	3	BQL	BQL	BQL
	Sep-99	1	BQL	1.7	BQL	BQL	BQL	BQL
	Apr-00	1	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	1	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	1	BQL	BQL	BQL(BQL)	1.8	1.1	BQL
	Oct-01	1	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	1	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	1	BQL	BQL	BQL(1)	BQL	BQL	BQL
	May-03	1	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	1	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	1	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	1	1	BQL	BQL	BQL	BQL	BQL
	May-05	1	2	1(1)	2	BQL	BQL	BQL
	Nov-05	1	BQL	2	BQL(BQL)	BQL	BQL	BQL
	Jun-06	1	BQL(BQL)	2	BQL	BQL	BQL	BQL
	Dec-06	1	BQL	BQL(BQL)	BQL	BQL	BQL	1.7
Chromium	Apr-93	40	<40	<40	<40	<20	<20	---
[50]	Sep-93	20	<20	<20	<20	<20	<20	—
{100}	Apr-94	20	41	<20	<20	<10	<10	—
	Oct-94	10	BQL	BQL	BQL	BQL	BQL	---
	Apr-95	10	BQL	BQL	BQL	BQL	BQL	—
	Nov-95	10	BQL	BQL	BQL	20	12	---
	May-96	10	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	10	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	10	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	10	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	10	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	10	BQL	13	BQL(BQL)	BQL	BQL	BQL
	Mar-99	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	10	BQL	11	BQL	BQL	BQL	BQL
	Apr-00	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	10	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Cobalt	Apr-93	10	---	---	—	---	—	---
[NE]	Sep-93	10	—	—	—	---	---	---
{NE}	Apr-94	10	---	---	---	—	—	---
	Oct-94	10	BQL	47	105	BQL	BQL	—
	Apr-95	10	BQL	46	115	BQL	BQL	---
	Nov-95	10	13	54	49	BQL	BQL	—
	May-96	10	BQL	60	46	BQL	BQL	BQL
	Nov-96	10	BQL	60	71	BQL	BQL	BQL
	Mar-97	10	BQL	64	29	BQL	BQL	BQL
	Sep-97	10	BQL	54	75	BQL	BQL	BQL
	Mar-98	10	10	67	21	BQL	BQL	BQL
	Sep-98	10	BQL	76	77(75)	BQL	BQL	BQL
	Mar-99	10	14	65(65)	45	BQL	BQL	BQL
	Sep-99	10	BQL	71	50	51	BQL	BQL
	Apr-00	10	12	60(59)	45	BQL	BQL	BQL
	Sep-00	10	BQL(BQL)	72	59	BQL	BQL	BQL
	Mar-01	10	12	71	34(34)	BQL	BQL	BQL
	Oct-01	10	BQL	65	76(75)	BQL	BQL	BQL
	Apr-02	10	BQL	63	64(63)	BQL	BQL	BQL
	Nov-02	10	BQL	56	17(18)	BQL	BQL	BQL
	May-03	10	BQL	78(80)	31	BQL	BQL	BQL
	Nov-03	10	BQL	67	47(52)	BQL	BQL	BQL
	May-04	10	BQL	54(54)	59	BQL	BQL	BQL
	Nov-04	10	BQL	55(54)	35	BQL	BQL	BQL
	May-05	10	BQL	53(50)	44	BQL	BQL	BQL
	Nov-05	10	BQL	40	44(42)	BQL	BQL	BQL
	Jun-06	10	BQL(BQL)	50	57	BQL	BQL	BQL
	Dec-06	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Copper	Apr-93	200	23	43	21	<10	<10	—
[1000]	Sep-93	200	<10	<10	<10	<10	<10	—
{1300}*	Apr-94	200	<10	10	72	<5	<5	—
	Oct-94	200	BQL	BQL	BQL	BQL	BQL	—
	Apr-95	200	BQL	BQL	BQL	BQL	BQL	—
	Nov-95	200	BQL	BQL	BQL	BQL	BQL	—
	May-96	200	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	200	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	200	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	200	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	200	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	200	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	200	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	200	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	200	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	200	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	200	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	200	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	200	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	200	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	200	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	10	12	BQL(BQL)	BQL	BQL	BQL	BQL
Lead	Apr-93	10	<5	67	14	<5	<5	—
[15]	Sep-93	10	<5	30	8.8	<5	<5	—
{15}*	Apr-94	10	<5	10	15	<5	<5	—
	Oct-94	10	BQL	BQL	BQL	BQL	BQL	—
	Apr-95	10	BQL	BQL	18	BQL	BQL	—
	Nov-95	10	BQL	17	11	BQL	BQL	—
	May-96	10	BQL	16	11	BQL	BQL	BQL
	Nov-96	10	BQL	15	BQL	BQL	BQL	BQL
	Mar-97	10	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	10	BQL	16	BQL	BQL	BQL	BQL
	Mar-98	10	BQL	20	22	BQL	BQL	BQL
	Sep-98	10	BQL	20	BQL(BQL)	BQL	BQL	BQL
	Mar-99	10	BQL	10(BQL)	BQL	BQL	BQL	BQL
	Sep-99	10	BQL	14	BQL	BQL	BQL	BQL
	Apr-00	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	10	BQL	10(12)	BQL	BQL	BQL	BQL
	Nov-03	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	10	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Nickel	Apr-93	50	—	—	—	—	—	—
[100]	Sep-93	50	—	—	—	—	—	—
{NE}	Apr-94	50	—	—	—	—	—	—
	Oct-94	50	BQL	BQL	BQL	BQL	BQL	—
	Apr-95	50	BQL	BQL	BQL	BQL	BQL	—
	Nov-95	50	BQL	BQL	BQL	BQL	BQL	—
	May-96	50	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	50	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	50	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	50	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	50	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	50	BQL	BQL(BQL)	63	BQL	BQL	BQL
	Sep-99	50	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	50	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	50	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	50	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Zinc	Apr-93	50	27	140	335	27	14	—
[1050]	Sep-93	50	20	41	84	<10	29	---
{5000}^	Apr-94	50	<20	51	133	<10	48	—
	Oct-94	50	BQL	BQL	BQL	BQL	BQL	---
	Apr-95	50	BQL	52	74	112	BQL	—
	Nov-95	50	68	174	98	BQL	BQL	—
	May-96	50	125	198	70	98	BQL	BQL
	Nov-96	50	84	92	72	56	92	BQL
	Mar-97	50	55 B	86 B	72 B	54 B	82 B	56
	Sep-97	50	122	199	145	343	162	BQL
	Mar-98	50	BQL	349	110	BQL	BQL	BQL
	Sep-98	50	BQL	183	BQL(BQL)	BQL	BQL	BQL
	Mar-99	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	50	BQL	185	BQL	BQL	BQL	BQL
	Apr-00	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	50	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	50	BQL	152	BQL(BQL)	BQL	BQL	BQL
	Apr-02	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	50	BQL	52	BQL(BQL)	BQL	BQL	BQL
	May-03	50	BQL	BQL(69)	BQL	BQL	BQL	BQL
	Nov-03	50	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	50	52	BQL	BQL	BQL	BQL	BQL
	May-05	50	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	50	BQL	55	BQL(BQL)	BQL	BQL	BQL
	Jun-06	50	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	10	BQL	28(27)	BQL	BQL	BQL	BQL
Acetone	Apr-95	100	BQL	BQL	BQL	BQL	BQL	BQL
[700]	Oct-95	100	BQL	BQL	BQL	BQL	BQL	BQL
{NE}	Apr-96	100	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	100	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	100	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	100	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	100	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Oct-99	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-00	100	BQL	137(160)	BQL	BQL	BQL	BQL
	Sep-00	100	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	100	BQL	156	BQL(BQL)	BQL	BQL	BQL
	Apr-02	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	100	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	100	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Benzene	Sep-93	5	BDL	BDL	BDL	BDL	BDL	BDL
[1]	Oct-94	5	8	BQL	BQL	BQL	BQL	BQL
{5}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	21	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	5.4	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	3.3 J	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Carbon Disulfide	Sep-93	100	BDL	BDL	BDL	BDL	BDL	BDL
[700]	Oct-94	100	BQL	BQL	BQL	BQL	BQL	BQL
{NE}	Apr-95	100	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	100	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	100	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	100	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	100	BQL	14.9	BQL	BQL	BQL	BQL
	Sep-97	100	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	100	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	100	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	100	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	100	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	100	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	100	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	100	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Chlorobenzene	Sep-93	5	BDL	BDL	BDL	BDL	BDL	BDL
[50]	Oct-94	5	BQL	BQL	BQL	BQL	BQL	BQL
{100}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	5.0(5.6)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	1.7 J(1.5 J)	BQL	BQL	BQL	BQL
Chloroethane	Sep-93	---	BDL	BDL	BDL	BDL	BDL	BDL
[2800]	Oct-94	10	BQL	BQL	BQL	BQL	BQL	BQL
{NE}	Apr-95	10	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	10	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	10	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	10	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	10	17	BQL	BQL	BQL	BQL	BQL
	Sep-97	10	36	BQL	BQL	BQL	BQL	BQL
	Mar-98	10	28	BQL	BQL	BQL	BQL	BQL
	Sep-98	10	26	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	10	25	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	10	27	BQL	BQL	BQL	BQL	BQL
	Apr-00	10	22	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	10	23	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	10	40	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	10	16	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	10	17	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	10	14	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	10	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	10	8.4 J	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent {NC 2L}, {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
1,2-Dichlorobenzene	Sep-93	5	BDL	BDL	BDL	BDL	BDL	BDL
[24]	Oct-94	5	BQL	BQL	BQL	BQL	BQL	BQL
{600}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	5.0(5.3)	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
1,4-Dichlorobenzene	Sep-93	—	---	---	---	—	—	---
[1.4]	Oct-94	5	BQL	10	14	BQL	BQL	BQL
{75}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	5	16	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	5	BQL	BQL	BQL
	Mar-97	5	BQL	5	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	6.8	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	7.3	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	5.4(5.5)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	7.5	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	9.5(5.0)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	6.5	5.0(6.3)	6.5	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	6.4	5.7	BQL	BQL	BQL
	Dec-06	5	4.6 J	4.3 J(3.8 J)	4.2 J	BQL	BQL	BQL
1,1-Dichloroethane	Sep-93	—	BDL	BDL	BDL	BDL	BDL	BDL
[70]	Oct-94	5	35	22	BQL	BQL	BQL	BQL
{NE}	Apr-95	5	15	10	BQL	BQL	BQL	BQL
	Nov-95	5	14	9	BQL	BQL	BQL	BQL
	May-96	5	11	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	11	6	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	9	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	5	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	5	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	5.7	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	5.7	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	6.3	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	1.6 J	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Cis-1,2-Dichloroethylene	Oct-94	5	12	14	11	BQL	BQL	BQL
[NE]	Apr-95	5	6	BQL	BQL	BQL	BQL	BQL
{70}	Nov-95	5	7	BQL	BQL	BQL	BQL	BQL
	May-96	5	8	5	BQL	BQL	BQL	BQL
	Nov-96	5	7	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	9	7	BQL	BQL	BQL	BQL
	Sep-97	5	9	7	BQL	BQL	BQL	BQL
	Mar-98	5	10	8	BQL	BQL	BQL	BQL
	Sep-98	5	9	7	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	12	6(8)	BQL	BQL	BQL	BQL
	Sep-99	5	16	9.2	BQL	BQL	BQL	BQL
	Apr-00	5	13	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	18	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	24	12	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	18	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	23	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	7.9	5.6(6.7)	BQL	BQL	BQL	BQL
	Nov-03	5	10	7.8	BQL(BQL)	BQL	BQL	BQL
	May-04	5	12	6.5(5.3)	BQL	BQL	BQL	BQL
	Nov-04	5	11	BQL	BQL	BQL	BQL	BQL
	May-05	5	8.2	5.7(7.3)	BQL	BQL	BQL	BQL
	Nov-05	5	14	7.4	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	10(10)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	17	4.4 J(4.1 J)	2.1 J	BQL	BQL	BQL
Methylene Chloride	Sep-93	---	40	BDL	23	BDL	BDL	BDL
(Dichloromethane)	Oct-94	10	98	BQL	32	BQL	BQL	BQL
[4.6]	Apr-95	10	36	BQL	11	BQL	BQL	BQL
{5}	Nov-95	10	13	BQL	BQL	BQL	BQL	BQL
	May-96	10	22	BQL	BQL	BQL	BQL	BQL
	Nov-96	10	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	10	15	BQL	BQL	BQL	BQL	BQL
	Sep-97	10	27	BQL	BQL	BQL	BQL	BQL
	Mar-98	10	21	BQL	BQL	BQL	BQL	BQL
	Sep-98	10	17	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	10	15	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	10	16	BQL	BQL	BQL	BQL	BQL
	Apr-00	10	12	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	10	17	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	10	17	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	10	13	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	10	17	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	10	16	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	10	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	10	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	10	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	10	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	1.4 J(BQL)	BQL	BQL	BQL	BQL
Tetrachloroethylene	Sep-93	---	BDL	BDL	BDL	BDL	BDL	BDL
[0.7]	Oct-94	5	5	BQL	BQL	BQL	BQL	BQL
{5}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	6	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Toluene	Sep-93	—	BDL	BDL	BDL	BDL	BDL	BDL
[1000]	Oct-94	5	BQL	BQL	BQL	BQL	BQL	BQL
{1000}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	BQL	57	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	DUP	5	—	—	BQL	—	—	—
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	DUP	5	—	BQL	—	—	—	—
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	23	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	10(6.9)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
1,1,1-Trichloroethane	Sep-93	—	BDL	BDL	BDL	BDL	BDL	BDL
[200]	Oct-94	5	6	BQL	BQL	BQL	BQL	BQL
{200}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
Trichloroethylene	Sep-93	—	BDL	BDL	BDL	BDL	BDL	BDL
[2.8]	Oct-94	5	BQL	BQL	BQL	BQL	BQL	BQL
{5}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	9	8	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	6	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

Summary of Detected Constituents
Groundwater Monitoring Program
Dan Johnson Landfill - Wilkes County, N.C.

Constituent [NC 2L], {EPA MCL} in µg/L	Date	Concentration in (µg/L)						
		RL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Total Xylenes	Sep-93	---	BDL	BDL	BDL	BDL	BDL	BDL
[530]	Oct-94	5	7	BQL	6	BQL	BQL	BQL
{10,000}	Apr-95	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-95	5	6	BQL	BQL	BQL	BQL	BQL
	May-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Nov-96	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-97	5	BQL	BQL	BQL	BQL	BQL	BQL
	Mar-98	5	BQL	BQL	BQL	BQL	BQL	BQL
	Sep-98	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Mar-99	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-99	5	BQL	BQL	BQL	BQL	BQL	BQL
	Apr-00	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Sep-00	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Mar-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Oct-01	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Apr-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	Nov-02	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-03	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-03	5	BQL	BQL	BQL(BQL)	BQL	BQL	BQL
	May-04	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-04	5	BQL	BQL	BQL	BQL	BQL	BQL
	May-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Nov-05	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL
	Jun-06	5	BQL(BQL)	BQL	BQL	BQL	BQL	BQL
	Dec-06	5	BQL	BQL(BQL)	BQL	BQL	BQL	BQL

NOTES:
1. All concentrations are reported in micrograms per liter (µg/L).
2. Values shown in parentheses are from duplicate samples.
3. MW- = groundwater monitoring well
4. DL = laboratory detection limit
5. QL = laboratory quantitation limit
4. RL = laboratory reporting limit (= NC PQL)
5. BQL = not detected above laboratory quantitation limit
6. BDL = not detected above the laboratory detection limit
7. B = reported detect considered to represent blank contamination
8. --- = not sampled
9. Shaded values are above the NC 2L Groundwater Quality Standards.
10. Bolded values are above the EPA MCLs.
11. [---] = no standard established
12. ' = EPA Action Level
13. ^ = Secondary EPA Drinking Water Standard
14. NC 2L = North Carolina's groundwater quality Standard established under 15A NCAC 2L, .0202.
15. J = Estimate concetrations.

Research & Analytical Laboratories, Inc.
Analytical/Process Consultations

Table 1 - Volatile Organic Analysis (Appendix I-Subtitle D) for Selected Monitoring Wells at the Wilkes County - Dan Johnson Landfill - 20 December 2006

Volatile Organics EPA Method 8260 Parameter	Quantitation Limits (mg/L)	MW-1 (mg/L)	MW-2 (mg/L)	MW-2 Duplicate (mg/L)	MW-3 (mg/L)	Upstream (mg/L)	Downstream (mg/L)	Field Blank (mg/L)	Travel Blank (mg/L)
Methylene Chloride	0.005	BQL	**0.0014 J**	BQL	BQL	BQL	BQL	BQL	BQL
Trichlorofluoromethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1-Dichloroethane	0.005	**0.0016 J**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Chloroform	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Carbon Tetrachloride	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dichloropropane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Trichloroethene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Dibromochloromethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1,2-Trichloroethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Tetrachloroethene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Chlorobenzene	0.005	BQL	**0.0017 J**	**0.0015 J**	BQL	BQL	BQL	BQL	BQL
Trans-1,2-Dichloroethene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dichloroethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1,1-Trichloroethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Bromodichloromethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Cis-1,3-Dichloropropene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Benzene	0.005	**0.0033 J**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Trans-1,3-Dichloropropene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Bromoform	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1,2,2-Tetrachloroethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethyl Benzene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Chloromethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Bromomethane	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Vinyl Chloride	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Chloroethane	0.010	**0.0084 J**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acetone	0.100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Carbon Disulfide	0.100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Vinyl Acetate	0.050	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Butanone	0.100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
4-Methyl-2-Pentanone	0.100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Hexanone	0.050	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Styrene	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acrylonitrile	0.200	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dichlorobenzene	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,4-Dichlorobenzene	0.005	**0.0046 J**	**0.0043 J**	**0.0038 J**	**0.0042 J**	BQL	BQL	BQL	BQL
Trans-1,4-Dichloro-2-butene	0.100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Cis-1,2-Dichloroethene	0.005	**0.017**	**0.0044 J**	**0.0041 J**	**0.0021J**	BQL	BQL	BQL	BQL
Methyl Iodide	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Bromochloromethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Dibromomethane	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1,1,2-Tetrachloroethane	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2,3-Trichloropropane	0.008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dibromo-3-Chloropropane(DBCP)	0.025	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-Dibromoethane (EDB)	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Sample Number		578758	578759	578761	578760	578762	578763	578764	578765
Sample Date		12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06
Sample Time		0920	0744	0744	0838	0800	0845	0812	0600
Surrogate recoveries:		%	%	%	%	%	%	%	%
Dibromofluoromethane		105	105	110	107	105	105	106	105
Toluene-D8		99	98	99	100	99	101	99	99
4-bromofluorobenzene		101	101	96	98	98	100	100	98

J = Estimated Concentration. Present but below Quantitation Limit
mg\L = milligrams per Liter = parts per million

BQL = Below Quantitation Limits

NR = Not Requested

Research & Analytical Laboratories, Inc.

Analytical/Process Consultations

RESEARCH & ANALYTICAL LABS SIDNEY L. CHAMPION NC #34 DIRECTOR CERTIFIED ANALYSIS

ble 2 - Inorganic Analysis (Appendix I - Subtitle D) for Selected Monitoring Wells at the Wilkes County - Dan Johnson Landfill - 20 December 2006

rganics rameter	EPA Method	Quantitation Limits (mg/L)	MW-1 (mg/L)	MW-2 (mg/L)	MW-2 Duplicate (mg/L)	MW-3 (mg/L)	Upstream (mg/L)	Downstream (mg/L)	Field Blank (mg/L)	Travel Blank (mg/L)
senic	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
timony	7041	0.006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
rium	6010	0.100	BQL	BQL	BQL	**0.152**	BQL	**1.66**	BQL	BQL
ryllium	6010	0.001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
dmium	6010	0.001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
romium	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
balt	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
pper	6010	0.010	**0.012**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
ad	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
ckel	6010	0.050	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
lenium	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
ver	6010	0.010	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
allium	6010	0.005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
nadium	6010	0.025	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
nc	6010	0.010	BQL	**0.028**	**0.027**	BQL	BQL	BQL	BQL	BQL
mple Number			578758	578759	578761	578760	578762	578763	578764	578765
mple Date			12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06
mple Time			0920	0744	0744	0838	0800	0845	0812	0600

L = milligrams per Liter = parts per million

BQL = Below Quantitation Limits

NR = Not Requested

Research & Analytical Laboratories, Inc.
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Quality Control Summary Results for Project Identified as Dan Johnson Landfill (A Wilkes County Project, 20 December 2006)

Inorganics Appendix I Parameter	Prep. Blank %	ICV Recovery %	CCV Recovery %	LCS Recovery %	Spike Recovery %	Difference
Arsenic, Total	BDL	90.6	100 98.7 99.2	91.3	91.4	0
Antimony, Total	BDL	92.3	98.3 97.4 97.6	92.7	108	0
Barium, Total	BDL	102	99.8 99.8 99.1	102	98.7	0
Beryllium, Total	BDL	102	100 99.9 100	104	116	0
Cadmium, Total	**0.0017**	101	99.0 99.2 98.3	98.6	101	0
Chromium, Total	BDL	96.2	100 99.8 100	98.5	104	0
Cobalt, Total	BDL	105	100 100 100	102	110	0
Copper, Total	BDL	98.4	99.2 98.7 99.2	101	102	0
Lead, Total	BDL	90.1	100 101 100	90.8	102	0
Nickel, Total	BDL	102	99.4 99.7 98.7	102	100	0
Selenium, Total	BDL	101	102 101 102	101	102	0
Silver, Total	BDL	91.4	98.7 99.0 97.6	91.3	96.2	0
Thallium. Total	BDL	99.5	100 99.8 99.4	96.8	101	0
Vanadium, Total	BDL	104	98.6 98.9 97.7	105	99.2	0
Zinc, Total	BDL	104	99.6 99.6 99.2	109	100	0

COMMENTS: RAL Sample #'s 578758-65 ***Post Spike**

% = Percent
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
LCS = Laboratory Control Sample
N/A = Not Available

Research & Analytical Laboratories, Inc.

Analytical/Process Consultations

RESEARCH & ANALYTICAL LABS SIDNEY L. CHAMPION NC #34 DIRECTOR CERTIFIED ANALYSIS

Quality Control Summary Results for Project Identified as Dan Johnson Landfill (A Wilkes County Project, 20 December 2006)

Volatile Organics EPA Method 8260 Parameter	Method Blank (mg/L)	Matrix Spike % Recovery	Spike Diplicate % Recovery	Quality Control Limits	Analyst
Methylene Chloride	ND	N/A	N/A	N/A	SQ
Trichlorofluoromethane	ND	N/A	N/A	N/A	SQ
1,1-Dichloroethene	ND	**99**	**96**	61-145	SQ
1,1-Dichloroethane	ND	N/A	N/A	N/A	SQ
Chloroform	ND	N/A	N/A	N/A	SQ
Carbon Tetrachloride	ND	N/A	N/A	N/A	SQ
1,2-Dichloropropane	ND	N/A	N/A	N/A	SQ
Trichloroethene	ND	**93**	**94**	71-120	SQ
Dibromochloromethane	ND	N/A	N/A	N/A	SQ
1,1,2-Trichloroethane	ND	N/A	N/A	N/A	SQ
Tetrachloroethene	ND	N/A	N/A	N/A	SQ
Chlorobenzene	ND	**103**	**98**	75-130	SQ
Trans-1,2-Dichloroethene	ND	N/A	N/A	N/A	SQ
1,2-Dichloroethane	ND	N/A	N/A	N/A	SQ
1,1,1-Trichloroethane	ND	N/A	N/A	N/A	SQ
Bromodichloromethane	ND	N/A	N/A	N/A	SQ
Cis-1,3-Dichloropropene	ND	N/A	N/A	N/A	SQ
Benzene	ND	**105**	**104**	76-127	SQ
Trans-1,3-Dichloropropene	ND	N/A	N/A	N/A	SQ
Bromoform	ND	N/A	N/A	N/A	SQ
1,1,2,2-Tetrachloroethane	ND	N/A	N/A	N/A	SQ
Toluene	ND	**96**	**96**	76-125	SQ
Ethyl Benzene	ND	N/A	N/A	N/A	SQ
Chloromethane	ND	N/A	N/A	N/A	SQ
Bromomethane	ND	N/A	N/A	N/A	SQ
Vinyl Chloride	ND	N/A	N/A	N/A	SQ
Chloroethane	ND	N/A	N/A	N/A	SQ
Acetone	ND	N/A	N/A	N/A	SQ
Carbon Disulfide	ND	N/A	N/A	N/A	SQ
Vinyl Acetate	ND	N/A	N/A	N/A	SQ
2-Butanone	ND	N/A	N/A	N/A	SQ
4-Methyl-2-Pentanone	ND	N/A	N/A	N/A	SQ
2-Hexanone	ND	N/A	N/A	N/A	SQ
Styrene	ND	N/A	N/A	N/A	SQ
Total Xylenes	ND	N/A	N/A	N/A	SQ
Acrylonitrile	ND	N/A	N/A	N/A	SQ
1,2-Dichlorobenzene	ND	N/A	N/A	N/A	SQ
1,4-Dichlorobenzene	ND	N/A	N/A	N/A	SQ
Trans-1,4-Dichloro-2-butene	ND	N/A	N/A	N/A	SQ
Cis-1,2-Dichloroethene	ND	N/A	N/A	N/A	SQ
Methyl Iodide	ND	N/A	N/A	N/A	SQ
Bromochloromethane	ND	N/A	N/A	N/A	SQ
Dibromomethane	ND	N/A	N/A	N/A	SQ
1,1,1,2-Tetrachloroethane	ND	N/A	N/A	N/A	SQ
1,2,3-Trichloropropane	ND	N/A	N/A	N/A	SQ
1,2-Dibromo-3-Chloropropane(DBCP)	ND	N/A	N/A	N/A	SQ
1,2-Dibromoethane (EDB)	ND	N/A	N/A	N/A	SQ

COMMENTS:

Corresponding Samples: **578758-65**

% = Percent

ND = Non Detected

N/A = Not Available

GROUNDWATER MONITORING FIELD LOG

			Personnel Present:	**COMMENTS:**
Facility	**Wilkes County**		**Glenn Price**	
	Dan Johnson Landfill	**December 20, 2006**		
Weather	**Clear 36° F**	**Date**		

Monitoring Well No.	**MW-1**	**MW-2**	**MW-3**	**Upstream**	**Downstream**							
Total Depth (FT.)	60.12	40.08	29.43									
Surface Depth (FT.)	36.09	33.56	10.58									
Water Depth (FT.)	24.03	6.52	18.85									
Diameter (IN.)	2"	2"	2"									
Conversion Factor	0.16	0.16	0.16									
Well Volume (GAL.)	3.84	1.04	3.01									
Volume (GAL.) X 3	11.53	3.13	9.03									
# Bails (L)	47	13	37									
Purge Date	12/20/06	12/20/06	12/20/06									
Purge Time (hrs.)	0900	0730	0825									
Purge Method	**Bailer**	**Bailer**	**Bailer**									
Volume Removed (GAL.)	8.50 - Dry	3.25	9.25									
Sampling Date	12/20/06	12/20/06	12/20/06	12/20/06	12/20/06							
Sampling Time (hrs.)	0920	0744	0838	0800	0845							
Sampling Method	**Bailer**	**Bailer**	**Bailer**	**Grab-direct**	**Grab-direct**							
pH (Standard Units)	6.08	6.16	6.37	6.77	6.96							
Temperature (EC)	11.7	10.1	10.2	8.2	9.0							
Conductivity (µmhos/cm)	101.2	32.7	28.3	41.1	59.9							
Dissolved Oxygen (mg/L)												
Observations\Sampling	**Clear**	**Clear**	**Clear**	**Clear**	**Clear**							

* Duplicate

RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical / Process Consultations
Phone (336) 996-2841

CHAIN OF CUSTODY RECORD

COMPANY: Wilkes County
STREET ADDRESS:
CITY, STATE, ZIP:
CONTACT: PHONE:
JOB NO.:
PROJECT: Don Johnson Landfill
SAMPLER NAME (PLEASE PRINT): Glenn Price
SAMPLER SIGNATURE:

WATER / WASTEWATER | MISC.

SAMPLE NUMBER (LAB USE ONLY)	DATE	TIME	COMP	GRAB	TEMP °C	RES Cl	CHLORINE REMOVED (Y or N)	SAMPLE MATRIX (W or W)	SAMPLE LOCATION / I.D.	NO. OF CONTAINERS	2L G (BNA, Herb. / Pest.)	2 40ml Vials (VOA) HCL	250ml G (TOX)	250ml P (TOC) H_2SO_4	1L P.G (BOD, TSS, Unpreserved, etc.)	1L G (Phenol, Oil & Grease) H_2SO_4	1L P.G (COD, N, P) H_2SO_4	1L P.G (Metals, Hardness) HNO_3	Sterile P.G (CYANIDE) NaOH	Sterile P.G (Coliform)					REQUESTED ANALYSIS
578758	12/20/06	0920		✓				W	MW-1	5		4						1							* See Remarks
759		0944		–				W	MW-2	5		4						1							
760		0838		–				W	MW-3	5		4						1							
761		0944		–				W	Duplicate	5		4						1							
762		0800		–				W	upstream	5		4						1							
763		0845		–				W	Downstream	5		4						1							
764		0812		–				W	FB	5		4						1							FB
765	12/20/06	0600		✓				W	TB	5		4						1							TB

RELINQUISHED BY	DATE/TIME	RECEIVED BY
	12/20/06	
RELINQUISHED BY	DATE/TIME	RECEIVED BY
	12/20/06 11:20	Melissa Bennett

REMARKS: * Sb, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Se, Ag, Tl, V, Zn, VOA (8260)

SAMPLE TEMPERATURE AT RECEIPT _____ °C

RESEARCH & ANALYTICAL LABORATORIES, INC.

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CHAIN OF CUSTODY RECORD

COMPANY: Wilkes County
STREET ADDRESS:
CITY, STATE, ZIP:
CONTACT: PHONE:
JOB NO.:
PROJECT: Dan Johnson Landfill
SAMPLER NAME (PLEASE PRINT): Glenn Price
SAMPLER SIGNATURE:

SAMPLE NUMBER (LAB USE ONLY)	DATE	TIME	COMP	GRAB	TEMP °C	RES Cl	CHLORINE REMOVED (Y or N)	SAMPLE MATRIX (S or W)	SAMPLE LOCATION / I.D.	NO. OF CONTAINERS	2L G (BNA, Herb. / Pest.)	2 40ml Vials (VOA) HCL	250ml G (TOX)	250ml P (TOC) H_2SO_4	1L P.G (BOD, TSS, Unpreserved, etc.)	1L G (Phenol, Oil & Grease) H_2SO_4	1L P.G (COD, N, P) H_2SO_4	1L P.G (Metals, Hardness) HNO_3	Sterile P.G (Coliform)	WATER / WASTEWATER			MISC.			REQUESTED ANALYSIS
8758	12/20/06	0920		-				W	MW-1	5		4						1								* See Remarks
759		0744		-				W	MW-2	5		4						1								
760		0838		-				W	MW-3	5		4						1								
761		0744		-				W	Duplicate	5		4						1								
762		0800		-				W	upstream	5		4						1								
763		0845		-				W	Downstream	5		4						1								
764		0812		-				W	FB	5		4						1								FB
765	12/20/06	0600		-				W	TB	5		4						1								TB

RELINQUISHED BY	DATE/TIME	RECEIVED BY
[signature]	12/20/06	
RELINQUISHED BY	DATE/TIME	RECEIVED BY
	12/20/06 1120	[signature]

REMARKS: * Sb, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Se, Ag, Tl, V, Zn, VOA (8260)

SAMPLE TEMPERATURE AT RECEIPT _____ °C