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):

Richardson Smith Gardner and Associates, Inc.

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

Name: Joan Smyth Phone: 919-828-0577 x122

E-mail: joan@rsgengineers.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Johnston County Phases 1 - 4 and 4a MSW Landfills	680 County Home Road Smithfield, NC	51-03	Phases 1 - 4 .0500 Phase 4a - .1600	10/15, 10/17, 10/18, 10/22 and 10/30

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.

Joan Smyth — Senior Hydrogeologist — 919-828-0577 x122

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Joan Smyth — 12/12/07

Signature — Date

Affix NC Licensed Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1369 GEOLOGIST JOAN A. SMYTH

Revised 01/2007

Johnston County Landfill
Phases 1 through 4 and Phase 4A

Ground Water Monitoring Report

October 2007 Semi-annual Monitoring Event

Johnston County Landfill
Smithfield, North Carolina
NC Solid Waste Permit # 51-01 and 51-02

Prepared for:
Johnston County Department of Public Utilities
309 East Market Street
Smithfield, North Carolina 27577

December 2007

Richardson Smith Gardner & Associates, Inc.
Engineering and Geological Services
14 North Boylan Avenue
Raleigh, North Carolina 27603

Fall 2007 Ground Water Monitoring Report

Johnston County Landfill
Phases 1 through 4 and Phases 4A
Smithfield, North Carolina
NC Solid Waste Permit # 51-01 and 51-02

Prepared for:

Johnston County Department of Public Utilities
309 East Market Street
Smithfield, North Carolina 27577

RSG Project No. **Johnston - 4**

NORTH CAROLINA LICENSED SEAL 1369 GEOLOGIST JOAN A. SMYTH

Joan A. Smyth 12/12/07

Joan A. Smyth, P.G.
Senior Hydrogeologist

December 2007

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Johnston County Landfill
Phases 1 through 4 and Phase 4A
Semi-annual Ground Water Monitoring Report
October 2007 Sampling Event

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1.0 Introduction

The Johnston County Landfill, previously operating under Solid Waste Permit #51-01 (Phases 1 through 4) is required to submit semiannual ground water monitoring reports for assessment monitoring at the four unlined landfills (Phases 1 through 4) on the site. This report presents the results of the second semi-annual monitoring event for 2007. This event was performed to comply with the semi-annual monitoring schedule required by NC Solid Waste Regulations.

The Johnston County Landfill is currently accepting C&D waste over Phase 4 of the closed MSW landfill. All MSW is being accepted in the lined Subtitle D landfill (Phase 4A). Since Phase 4A is located as a "piggy back" over phases 3 & 4, the groundwater monitoring data for that phase is also included in this report. The old landfills (Phases 1 through 4) have been closed per Solid Waste Regulations. The ground water monitoring network consists of 13 wells located around the perimeter of the landfill (**Figure 1**). Also included in the monitoring network are two surface water sampling points up and downstream of the landfill on Middle Creek (**Figure 2**).

2.0 Sampling Procedures

The sampling event, performed by trained personnel from Johnston County Landfill, consisted of collecting samples from 18 ground water wells (MW-3, MW-4B, MW-4d, MW-5a, MW-6, MW-7, MW-7d, MW-8a, MW-8d, MW-9d, MW-10, MW-11, MW-12b, MW-14d, MW-15d, MW-16d, MW-17 & PZ-3). Monitoring well MW-9c was not sampled due to insufficient water volume in the well. Monitoring wells MW-8a and MW-17, associated with Phase 4a were analyzed with the Phase 1 through 4 data due to the proximity of these wells to Phases 3 and 4. These wells are shown in **Figure 1**. This sampling was conducted in accordance with the approved site Sampling and Analysis Plan and the ongoing Water Quality Assessment. Also included in the analysis were trip and field blanks for quality control. Surface water samples were collected from two locations (SWPT-1 and SWPT-2) up and downstream from the landfill on Middle Creek.

Sampling methods followed the protocol outlined in the North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities (NCDENR, DWM). The depth to water in each well was gauged prior to purging and sampling. Field measurements of pH, specific conductivity, and temperature were obtained from each well. Water table elevations and field parameter results are included in **Tables 1 and 2** respectively.

All samples were collected by Johnston County personnel in laboratory prepared containers for the specified analytical procedures. Samples were obtained through dedicated Micropurge low flow pumps (MW-3, MW-4b, MW-6, MW-7, MW-10, MW-11, MW-12b) or by disposable teflon bailers (MW-5a, MW-7d, MW-8a, MW-9d, MW-13, MW-13d, MW-17& PZ-3). Ground water samples were properly preserved, placed on ice, and transported to the laboratory facility, Environment 1, Inc., within the specified holding times for each analysis.

3.0 Field and Laboratory Results

3.1 Laboratory Analysis

The ground and surface water samples were transported to Environment 1, Inc., a North Carolina certified laboratory (NC Wastewater ID #10). Laboratory analysis for wells associated with

Phases 1 through 4 consisted of the full suite of RCRA Subtitle D Appendix II constituents. The two wells associated with Phase 4a (MW-8a and MW-17) had samples analyzed for Appendix I constituents. Surface water samples were analyzed for Appendix I constituents only. Parameters were reported at NC DWM Practical Quantitation Limits (PQLs). The laboratory analytical report is included as **Appendix A**.

3.2 Field and Laboratory Results

The field parameter results (**Table 2**) have remained consistent with previous sampling events. Detected constituents are presented in **Table 3**. Eight (8) inorganic constituents (arsenic, barium, cobalt, copper, lead, selenium, total chromium and zinc) were detected in 10 wells. Cobalt and lead were detected above the 2L standard (NCAC T15A:2L.0202(g)) .

Five (5) volatile organic constituents, shown in **Table 3**, were detected in eight (8) of the monitoring wells. Benzene and vinyl chloride were detected above the 2L standard.

There are currently two surface water monitoring points associated with Phases 1 – 4 (SW-1A, and SW-2). Zinc was detected in SW-1A. The surface water sampling locations are shown on **Figure 2**.

Constituents detected below the PQL are denoted as "J" values and are also included in **Table 3**.

4.0 Statistical Analysis and Results

4.1 Statistical Analysis

The laboratory data from the sampling event was reviewed and analyzed in order to evaluate trends and changes in the results as well as statistically significant differences between up and down gradient wells. Data entry and analysis was performed using the Chempoint/Chemstat statistical software package developed specifically for RCRA Subtitle D sites (Starpoint Software, Cincinnati, OH). Chemstat follows EPA and DWM protocols for approved statistical analysis methods for groundwater data.

The data from this monitoring event were added to our existing database for this site. The data were reviewed to evaluate the most appropriate analysis methods. Initial analysis consisted of a basic review of the data and of time-concentration graphs (included in **Appendix B**) to determine any major changes or trends in the data. Non-parametric testing methods were used on most wells due to the lack of normality, in the data. Statistical analysis was performed using MW-3 as the upgradient or background well and MW-4B, MW-4d, MW-5a, MW-6, MW-7, MW-7d, MW-9d, MW-10, MW-11, MW-12b, MW-14d, MW-15d, MW-16d & PZ-3 as the down gradient or compliance wells. Additionally, the three monitoring wells associated with Phase 4a (MW-8a, MW-8d and MW-17) were also statistically analyzed using MW-3 as the upgradient well. These wells were analyzed with Phases 1 through 4 due to their close proximity to unlined Phases 3 and 4. The statistical analysis reports are summarized in **Table 4**.

A review of the concentration vs. time graphs (**Appendix B**) shows no clear trends in inorganic concentrations. The inorganic results are likely due to natural variation in ground water chemistry. Organic parameter concentrations remained relatively consistent.

The unlined Phases 1 – 4, and 4A landfills had statistically significant results for ten (10) constituents (seven (7) inorganic constituents, three (3) organic constituents).

4.2 2L/MCL Statistical Analysis

For wells that showed statistically significant differences from background concentrations, additional analysis was performed. This analysis has recently been required as part of ongoing Assessment monitoring for landfills in North Carolina. To perform the analysis, the respective 2L standard or MCL was determined for each parameter with statistically significant results. Each compliance well with statistical significance was re-analyzed against the lower of the 2L or MCL standard as a Ground Water Protection Standard (GWPS).

The statistical results for this additional analysis are presented in **Table 4**. An upper tolerance limit higher than the GWPS standard was considered to be a statistically significant result. This analysis indicated statistically significant results above MCL standards for arsenic, barium, cobalt, lead, selenium and zinc. As these are naturally occurring inorganic constituents, the levels are likely due to natural variation.

It should be noted that MW-17, although it is associated with Phase 4A, is installed immediately adjacent to the unlined Phase 3 landfill. The ground water impacts detected in this well are likely due to Phase 3.

5.0 Ground Water Characterization

A potentiometric surface map was prepared from ground water elevation data collected in October 2007. The data indicates that ground water is flowing generally to the north towards Middle Creek. This is consistent with ground water flow patterns previously detected for the site. The potentiometric surface map is attached as **Figure 1**.

Ground water flow velocities during the sampling event were calculated for each monitoring well using the equation: $V = KI/n$

where K = hydraulic conductivity
I = ground water gradient
n = porosity

Ground water flow velocities ranged from 0.047 ft/day (MW-11) to 1.993 ft/day (MW-6). These calculated flow velocities are included in **Table 1**.

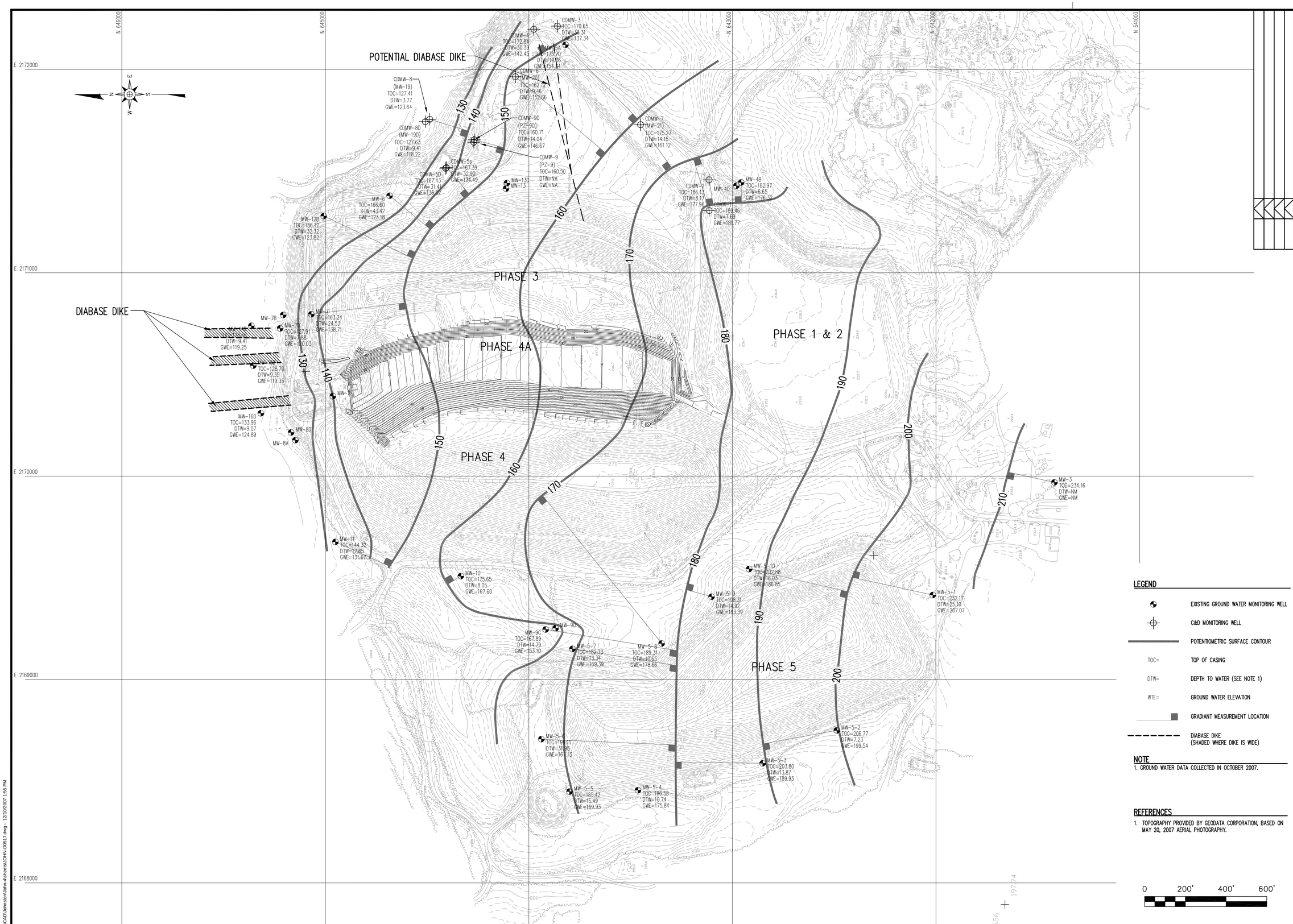
6.0 Conclusions

The data and analyses from Phases 1 through 4, and 4a show relatively stable ground water quality at the Johnston County Landfills. Concentrations of most analytical compounds in the wells remained similar to previous events, as can be seen in the time versus concentration graphs. It should be noted that the two monitoring wells from Phase 4a were analyzed with Phases 1 through 4 due to the close proximity of these wells to Phases 3 and 4. Since MW-17 is located immediately adjacent to the base of Phase 3, it is likely an indicator of impact from the unlined landfill, rather than an indicator of impact from Phase 4a (a double-lined landfill).

A statistical comparison of 2L/MCL levels indicates statistically significant increases above 2L/MCL standards of four inorganic constituents associated with Phases 1 through 4. However, these constituents are naturally occurring and are likely due to natural fluctuations in ground water.

The next semi-annual sampling event will be performed in spring 2008. These results will be reported upon receipt of the laboratory data and completion of the statistical analyses.

Figures



LEGEND

- EXISTING GROUND WATER MONITORING WELL
- C&D MONITORING WELL
- POTENTIOMETRIC SURFACE CONTOUR
- TOC= TOP OF CASING
- DTW= DEPTH TO WATER (SEE NOTE 1)
- WTE= GROUND WATER ELEVATION
- GRADIANT MEASUREMENT LOCATION
- DIABASE DIKE (SHADED WHERE DIKE IS WIDE)

NOTE

1. GROUND WATER DATA COLLECTED IN OCTOBER 2007.

REFERENCES

1. TOPOGRAPHY PROVIDED BY GEODATA CORPORATION, BASED ON MAY 20, 2007 AERIAL PHOTOGRAPHY.

0 200' 400' 600'

NO.	DATE	REVISION

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SEAL

SEAL

PROJECT TITLE: JOHNSTON COUNTY LANDFILL
SMITHFIELD, NORTH CAROLINA

DRAWING TITLE: GROUND WATER
POTENTIOMETRIC SURFACE MAP
OCTOBER 2007

DESIGNED BY: K.B.S.	DRAWN BY: J.A.L.
CHECKED BY:	PROJECT NO.: JOHN-4
SCALE: AS SHOWN	DATE: DEC. 2007
FILE NAME: JOHN-D0517	
SHEET NO.	DRAWING NO. FIG. 1

G:\CAD\Johnston\John-dsheets\JOHN-D0517.dwg - 12/10/2007 1:55 PM

Tables

Table 1
Johnston County Phases 1 - 4, and 4A
Ground Water Elevations & Velocities
10/15/2007

Well	TOC Elevation	Water Level	GW Elev	Hyd. Cond.	Porosity	Gradient	Velocity
	(feet)	(feet)	(feet)	(ft/day)	(%)	(ft/ft)	(ft/day)
MW-3	234.16	nm	nm	18.288	0.2	NA	NA
MW-4B	182.97	6.65	176.32	--	--	0.037	--
MW-4d	--	3.48	--	--	--	--	--
MW-5A	173.70	19.36	154.34	25.344	0.2	0.010	1.267
MW-6	166.60	43.42	123.18	1.829	0.2	0.218	1.993
MW-7	163.24	24.53	138.71	6.941	0.2	0.024	0.833
MW-7d	127.91	7.88	120.03	--	--	--	--
MW-8a	--	7.13	--	--	--	--	--
MW-8d	--	7.27	--	1.570	--	--	--
MW-9c	167.89	14.79	153.10	4.709	0.2	0.040	0.942
MW-9d	--	14.58	--	--	--	---	--
MW-10	175.65	8.05	167.60	0.199	0.2	0.095	0.094
MW-11	144.32	12.65	131.67	0.148	0.2	0.063	0.047
MW-12b	156.14	32.32	123.82	--	--	0.054	--
MW-13	179.57	nm	nm	0.549	0.2	NA	NA
MW-13d	172.70	nm	nm	--	--	--	--
MW-14d	128.66	9.41	119.25	--	--	0.065	--
MW-15d	128.70	9.35	119.35	--	--	0.060	--
MW-16d	133.96	9.07	124.89	--	--	0.042	--
MW-17	--	18.35	--	--	--	--	--
PZ-3	194.91	9.35	185.56	--	--	--	--

1 Velocity Calculated from V=K*I/n
V = velocity
K = Hydraulic Conductivity
I = Gradient
n = Porosity
2 Hydraulic Conductivity data from April 1998 field testing
3 Porosity values assumed from Groundwater & Wells (Driscoll)

Table 2
Johnston County Phases 1 - 4, and 4A
Field Parameters
10/15/2007

Well Identification #	Static Water Level (ft) * (DTW)	Temperature (°Celsius)	Turbidity (NTU)	Specific Conductivity (uS/cm)	pH
MW – 3	BPH	19.21	1.19	29	4.72
MW – 4B	6.65	19.89	30.9	1550	6.43
MW – 4D	3.48	18.21	5.39	89	6.82
MW – 5A	19.36	19.18	42.9	22	5.55
MW – 6	43.42	18.29	47.8	233	5.97
MW – 7	24.53	19.25	3.18	1600	6.26
MW – 7D	7.88	17.88	2.59	934	6.38
MW - 8A	7.13	19.14	82.1	440	5.85
MW – 8D	7.27	17.29	16.4	483	5.87
MW – 9C	14.79	IW	IW	IW	IW
MW – 9D	14.58	17.8	2.35	109	7.01
MW – 10	8.05	18.37	189	82	6.73
MW – 11	12.65	17.9	3.01	119	6.6
MW – 12B	32.32	18.78	2.63	321	5.67
MW – 14D	9.41	15.74	6.03	470	6.96
MW – 15D	9.35	17.24	7.64	229	6.93
MW – 16D	9.07	17.81	5.52	228	5.57
MW – 17	18.35	19.5	391	948	6.15
Piezometer #3	9.35	21.61	23.3	575	6.15
SWPT-1A	na	13.82	4.52	246	7.54
SWPT-2	na	14.16	4.66	285	7.2

na = not measured

Table 3
Johnston County Phases 1 - 4 and Phase 4a
Detected Inorganic Constituents
10/15/2007

Constituents	PQL	2L	MW-3	MW-4B	MW-4d	MW-5A	MW-6	MW-7	MW-7d	MW-8a	MW-8d	MW-9d	MW-10	MW-11	MW-12b	MW-14d	MW-15d	MW-16d	MW-17	PZ-3	SW-1A	SW-2
Antimony	6	---	ND	0.1 J	ND	ND	ND	0.7 J	ND	ND	0.1 J	0.1 J	ND	0.1J	ND	ND	0.5 J	0.1 J	0.5 J	0.2 J	0.1 J	0.1 J
Arsenic	10	50	ND	**11**	ND	ND	2.8 J	**11**	3 J	2.3 J	3.1 J	ND	0.9 J	2.2 J	4 J	1.2 J	2.2 J	0.8 J	**10**	31	ND	0.7 J
Barium	100	2000	16.7 J	**1352**	31.3 J	17.6 J	51.9 J	588	31.4 J	**141**	**117**	4.1	58.4 J	16.5 J	59.6 J	2.2 J	26J	72.5 J	**161**	40 J	41.1 J	20 J
Beryllium	1	---	ND	ND	ND	0.5 J	ND	ND	ND	0.3 J	ND	ND	0.5 J	ND	ND	ND	0.1 J	0.2 J	0.4 J	ND	ND	ND
Cadmium	1	5	0.1 J	ND	0.2 J	0.2 J	ND	0.1 J	0.1 J	0.8 J	0.1 J	ND	0.1J	ND	ND	0.9 J	0.1 J	0.6 J	0.9 J	0.4 J	0.4 J	ND
Cobalt	10	---	ND	**35**	5.7 J	6.4 J	**161**	**132**	**27**	**36**	**83**	0.9 J	**19**	7.5 J	**506**	0.8 J	1.1 J	1.2 J	**290**	ND	0.7 J	0.7 J
Copper	10	1000	ND	1 J	0.3 J	3.9 J	4.4 J	2.1 J	0.7 J	**12**	1.9 J	ND	**10**	1.7 J	0.8 J	3.4 J	2.3 J	3 J	**82**	4.8 J	1.6 J	1.3 J
Lead	10	15	0.3 J	ND	0.1 J	2.9 J	2.8 J	0.1 J	ND	**11**	0.9 J	ND	4.9 J	0.9 J	0.1 J	4.6 J	3.7 J	1.9 J	**48.3**	1.7 J	0.2 J	0.2J
Mercury	0.2	1.1	ND	ND	ND	ND	ND	ND	ND	ND	0.06 J	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND
Nickel	50	100	ND	4.2 J	5 J	9.8 J	12.5 J	49.3 J	12.2 J	10 J	4 J	ND	25.6 J	0.9 J	21 J	2.5 J	2.6 J	3 J	25 J	1.3 J	2.4 J	2.3 J
Selenium	10	50	ND	8.3 J	ND	0.7 J	ND	**21**	9.8 J	4.8 J	6.2 J	ND	ND	ND	1.6 J	3.5 J	0.7 J	1.4 J	**10**	2.6 J	0.6 J	0.5 J
Total Chromium	10	50	ND	0.6 J	ND	4.8 J	4 J	0.7 J	ND	9.2 J	1 J	ND	9 J	ND	ND	0.9 J	1.5 J	3.6 J	**21**	2.5 J	ND	ND
Vanandium	25	---	1 J	ND	ND	3.2 J	4 J	0.6 J	ND	9.1 J	1.1 J	ND	6.9 J	0.8 J	0.6 J	2.6 J	1.7 J	6.3 J	13.5 J	5.2 J	1.4 J	1.7 J
Thallium	5	---	ND	0.2 J	ND	ND	0.1 J	ND	ND	ND	0.1 J	ND	ND	0.1 J	0.2 J	ND	ND	ND	0.3 J	ND	ND	ND
Zinc	10	2100	8.7 J	4.3 J	**14**	**31**	**20**	**18**	6.5 J	40	2.8 J	3.9 J	**85**	8.5 J	7.5 J	**11**	8.4 J	**25**	**108**	**14**	**13**	3.3 J
Tin	100	---	0.5 J	1.7 J	0.8 J	0.4 J	0.3 J	1.5 J	0.4 J	ND	0.6 J	0.3 J	1.3 J	0.7 J	1 J	ND	ND	ND	ND	0.7 J	ND	ND

ND	-	Not detected at or above PQL
Shading	-	Levels above 2L standard or no 2L standard
Bold Letters	-	Constituent detected above PQL
J	-	Detected constituents below PQL limit

All PQLs, 2L Standards and Results are in ug/l.

Table 4
Johnston County Phases 1 - 4 and Phase 4a
Detected Organic Constituents
10/15/2007

Constituents	PQL	2L	MW-3	MW-4B	MW-4d	MW-5A	MW-6	MW-7	MW-7d	MW-8a	MW-8d	MW-9d	MW-10	MW-11	MW-12b	MW-14d	MW-15d	MW-16d	MW-17	PZ-3	SW-1A	SW-2
1,1-Dichloroethane	5	700	ND	ND	ND	0.7 J	0.3 J	2 J	4.1 J	2.3 J	2.8 J	0.5 J	ND	1 J	1.1 J	3.9 J	ND	ND	2.3 J	ND	ND	ND
1,2,4-Trichlorobenzene	10	70	ND	ND	ND	ND	ND	0.7 J	0.6 J	ND	ND	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	620	ND	0.8 J	ND	ND	ND	1.3 J	0.4 J	ND	ND	ND	ND	ND	0.7 J	ND	ND	ND	0.8 J	2.1 J	ND	ND
1,2-Dichloroethane	1	0.38	ND	0.2 J	ND	ND	ND	ND	0.2 J	0.2 J	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	---	ND	ND	ND	ND	ND	0.3 J	0.5 J	0.3 J	0.5 J	ND	ND	ND	0.3 J	0.6 J	ND	ND	0.2 J	ND	ND	ND
1,3-Dichlorobenzene	5	620	ND	ND	ND	ND	ND	1 J	0.3 J	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	0.5 J	ND	ND
1,4-Dichlorobenzene	1	75	ND	**5.2**	ND	ND	ND	**10.1**	**6**	0.7 J	**1.1**	ND	ND	ND	**5.7**	**1.4**	ND	ND	**4.5**	**9.2**	ND	ND
2-Butanone	100	---	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	5.4 J	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	700	3.2 J	6 J	2.3 J	2.2 J	7.7 J	4.1 J	3.2 J	2.8 J	2.9 J	2.5 J	11.2 J	ND	5.3 J	1.7 J	1.8 J	3 J	3.2 J	5.8 J	2.9 J	3.2 J
Benzene	1	1	ND	**3.9**	ND	ND	ND	**1.9**	0.6 J	0.7 J	0.8 J	ND	ND	ND	0.6 J	0.3 J	ND	ND	**1.7**	**2.7**	ND	ND
Beta-BHC	0.05	---	ND	ND	ND	ND	ND	0.038 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	3	50	ND	**13.5**	ND	ND	ND	**23.9**	**8.4**	1.7 J	2 J	ND	ND	ND	**10.3**	2.1 J	ND	ND	**7.4**	**12.8**	ND	ND
Chloroethane	10	2800	ND	0.8 J	ND	ND	ND	1.7 J	0.7 J	1 J	1.2 J	ND	ND	ND	ND	0.3 J	ND	ND	1.5 J	ND	ND	ND
Chloroform	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
Cis-1,2-Dichloroethene	5	70	ND	0.3 J	ND	ND	0.5 J	0.3 J	**9.5**	1 J	1.1 J	ND	ND	ND	0.4 J	**5.2**	ND	ND	0.8 J	0.6 J	ND	ND
Delta - BHC	0.05	---	ND	0.048 J	ND	ND	ND	0.034 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	1400	ND	0.4 J	ND	0.2 J	ND	ND	0.2 J	ND	ND	0.4 J	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	29	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1	5	ND	0.2 J	ND	ND	ND	0.2 J	0.2 J	ND	ND	0.4 J	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND
Naphthalene	10	21	ND	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND
Tetrachloroethene	1	0.7	ND	ND	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND
Toluene	1	1000	ND	0.4 J	0.2 J	0.2 J	ND	0.3 J	0.3 J	0.2 J	0.2 J	0.2 J	ND	ND	ND	ND	ND	0.2 J	0.4 J	0.7 J	0.3 J	0.3 J
Trans-1,2-Dichloroethene	5	70	ND	ND	ND	ND	ND	0.2 J	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlroethene	1	2.8	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	0.015	ND	**1.6**	ND	ND	ND	ND	0.8 J	0.6 J	0.7 J	ND	ND	ND	ND	0.5 J	ND	ND	0.9 J	0.7 J	ND	ND

ND	-	Not detected at or above PQL
Shading	-	Levels above 2L standard or no 2L standard
Bold Letters	-	Constituent detected above PQL
J	-	Detected constituents below PQL limit

All PQLs, 2L Standards and Results are in ug/l.

Table 5
Johnston County - Phases 1 through 4
Statistical Analysis Summary
10/15/2007

Location	Parameter	Result	Detection Limit	Test Units	%ND	Test	Statistically Significant?	2nd statistical Analysis	Test
MW-12b	1,4-Dichlorobenzene	5.7	<1	ug/l	43%	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-14d	1,4-Dichlorobenzene	1.4	<1	ug/l	43%	WILCOXON	N	---	---
MW-17	1,4-Dichlorobenzene	4.5	<1	ug/l	43%	WILCOXON	N	---	---
MW-4B	1,4-Dichlorobenzene	5.2	<1	ug/l	43%	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-7	1,4-Dichlorobenzene	10.1	<1	ug/l	43%	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-7d	1,4-Dichlorobenzene	6	<1	ug/l	43%	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-8d	1,4-Dichlorobenzene	1.1	<1	ug/l	43%	WILCOXON	N	---	---
PZ-3	1,4-Dichlorobenzene	9.2	<1	ug/l	43%	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-17	Arsenic	0.01	<0.010	mg/l	72.3	NPTL	N	---	---
MW-4B	Arsenic	0.011	<0.010	mg/l	72.3	NPTL	Y	Y	MCL-PTI (EPA 1992)
MW-7	Arsenic	0.011	<0.010	mg/l	72.3	NPTL	Y	Y	MCL-PTI (EPA 1992)
PZ-3	Arsenic	0.031	<0.010	mg/l			Y	Y	MCL-PTI (EPA 1992)
MW-17	Barium	0.161	<0.100	mg/l	57.26	NPTL	N	---	---
MW-4B	Barium	1.352	<0.100	mg/l	57.26	NPTL	Y	Y	MCL-PTI (EPA 1992)
MW-7	Barium	0.588	<0.100	mg/l	57.26	NPTL	Y	Y	MCL-PTI (EPA 1992)
MW-8a	Barium	0.141	<0.100	mg/l	57.26	NPTL	N	---	---
MW-8d	Barium	0.117	<0.100	mg/l	57.26	NPTL	N	---	---
MW-17	Benzene	1.7	<1	ug/l	79.49	NPTL	N	---	---
MW-4B	Benzene	3.9	<1	ug/l	79.49	NPTL	N	---	---
MW-7	Benzene	1.9	<1	ug/l	79.49	NPTL	N	---	---
PZ-3	Benzene	2.7	<1	ug/l	79.49	NPTL	N	---	---
MW-12b	Chlorobenzene	10.3	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-17	Chlorobenzene	7.4	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-4B	Chlorobenzene	13.5	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-7	Chlorobenzene	23.9	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-7d	Chlorobenzene	8.4	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
PZ-3	Chlorobenzene	12.8	<3	ug/l	23.5	WILCOXON	Y	N	MCL-PTI (EPA 1992)
MW-14d	Cis-1,2-Dichloroethene	5.2	<5	ug/l	59.25	NPPL	Y	N	MCL-PTI (EPA 1992)
MW-7d	Cis-1,2-Dichloroethene	9.5	<5	ug/l	59.25	NPPL	Y	N	MCL-PTI (EPA 1992)
MW-10	Cobalt	0.019	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-12b	Cobalt	0.506	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-17	Cobalt	0.29	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-4B	Cobalt	0.035	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-6	Cobalt	0.161	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)

Table 5
Johnston County - Phases 1 through 4
Statistical Analysis Summary
10/15/2007

MW-7	Cobalt	0.132	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-7d	Cobalt	0.027	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-8a	Cobalt	0.036	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-8d	Cobalt	0.083	<0.010	mg/l	18.51	WILCOXON	Y	Y	MCL-PTI (EPA 1992)
MW-10	Copper	0.01	<0.010	mg/l	74.7	NPPL	N	---	---
MW-17	Copper	0.082	<0.010	mg/l	74.7	NPPL	N	---	---
MW-8a	Copper	0.012	<0.010	mg/l	74.7	NPPL	N	---	---
MW-17	Lead	0.0483	<0.010	mg/l	55.5	NPPL	Y	Y	MCL-PTI (EPA 1992)
MW-8a	Lead	0.011	<0.010	mg/l	55.5	NPPL	N	---	---
MW-17	Selenium	0.01	<0.010	mg/l	90	PPL with 1/2 DL	N	---	---
MW-7	Selenium	0.021	<0.010	mg/l	90	PPL with 1/2 DL	Y	Y	POISSON-MCL
MW-17	Total Chromium	0.021	<0.010	mg/l	51.21	NPPL	N		
MW-4B	Vinyl Chloride	1.6	<1	ug/l	96.22	PPL with 1/2 DL	N	---	---
MW-10	Zinc	0.085	<0.010	mg/l	61.57	NPTL	Y	Y	MCL-PTI (EPA 1992)
MW-14d	Zinc	0.011	<0.010	mg/l	61.57	NPTL	N	---	---
MW-16d	Zinc	0.025	<0.010	mg/l	61.57	NPTL	N	---	---
MW-17	Zinc	0.108	<0.010	mg/l	61.57	NPTL	Y	Y	MCL-PTI (EPA 1992)
MW-4d	Zinc	0.014	<0.010	mg/l	61.57	NPTL	N	---	---
MW-5A	Zinc	0.031	<0.010	mg/l	61.57	NPTL	N	---	---
MW-6	Zinc	0.02	<0.010	mg/l	61.57	NPTL	N	---	---
MW-7	Zinc	0.018	<0.010	mg/l	61.57	NPTL	N	---	---
MW-8a	Zinc	0.04	<0.010	mg/l	61.57	NPTL	N	---	---
PZ-3	Zinc	0.014	<0.010	mg/l	61.57	NPTL	N	---	---
SW-1A	Zinc	0.013	<0.010	mg/l	61.57	NPTL	N	---	---

Legend:

%ND	Method chosen due to percent non-detects
NPTL	Non-Parametric Tolerance Limit
KW	Kruskal-Wallis Non-Parametric Test
WRS	Wilcoxon Rank Sum Test

Highlighting indicates statistical significance.

Notes:
MW-3 was used as the background well

Appendix A

Laboratory Analytical Report

Environment 1, Incorporated

RECD NOV 20 2007

Drinking Water ID: 37713
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6054

JOHNSTON CO., (PHASE 4A)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/30/07
DATE REPORTED : 11/16/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Leak Detect	Leachate Jun Box	Analysis Date	Analyst	Method Code
BOD, mg/l	2.0	2.0	--- U	47	10/31/07	TRB	SM5210B
COD, mg/l	10.0	10.0	108	960	11/02/07	TRB	HACH8000
Total Suspended Residue, mg/l	1.0	1.0	15	67	10/31/07	MDM	SM2540D
Ammonia Nitrogen, mg/l	0.04	0.04	67.30		11/01/07	TWA	EPA350.1
Ammonia Nitrogen, mg/l	0.04	0.04		708	11/06/07	SSR	EPA350.1
Nitrate Nitrogen, mg/l	0.03	10.0	0.15 J	--- U	11/07/07	SSR	EPA353.2
Total Phosphorus, mg/l	0.04	0.04	0.05	1.69	11/05/07	SSR	EPA365.4
Antimony, ug/l	0.05	6.0	--- U	1.6 J	11/12/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	3.1 J	12	11/12/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	422	334	11/12/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	--- U	11/12/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	--- U	11/12/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	2.3 J	15	11/12/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	4.0 J	6.7 J	11/12/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	1.4 J	16	11/12/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	--- U	1.5 J	11/12/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	9.8 J	84	11/12/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	5.1 J	27	11/12/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	11/12/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	11/12/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	1.0 J	11.8 J	11/26/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	5.7 J	106	11/12/07	CMF	EPA200.8

* QC for this test was outside established limits. Data is still reportable to the State.

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON CO., (PHASE 4A)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6054

ANALYST: MAO
DATE COLLECTED: 10/30/07
DATE ANALYZED: 11/08/07
DATE REPORTED: 11/16/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Leak Detect	Leachate Jun Box
1. Chloromethane	0.18	1.0	--- U	0.20 J
2. Vinyl Chloride	0.34	1.0	--- U	0.90 J
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	0.90 J
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	9.60 J	16.80 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	0.50 J
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	0.20 J	--- U
15. 2-Butanone	0.85	100.0	0.90 J	2.10 J
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	0.60 J	12.40
21. 1,2-Dichloroethane	0.12	1.0	0.70 J	1.90
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	0.90 J	1.70 J
27. Toluene	0.13	1.0	0.50 J	5.50
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	0.30 J	2.90 J
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	0.50 J	22.80
37. Xylenes	0.48	5.0	--- U	71.90
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	0.30 J	11.20
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

1 LARGE COOLER + 2 SMALL COOLERS

CHAIN OF CUSTODY RECORD

Page 2 of 3

CLIENT: 0054 Week: 42

JOHNSTON CO., (PHASE 4A)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4747

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	BOD	COD	TSR	Ammonia Nitro.	Nitrate	PO4	Metals	EPA 8260B	8260 Dup. 1	8260 Dup. 2
CHLORINE NEUTRALIZED AT COLLECTION															
pH CHECK (LAB)							L2		L2		L2	L2	L2	L2	L2
CONTAINER TYPE, P/G						P	P	P	P	P	P	P	G	G	G
CHEMICAL PRESERVATION						A	C	A	C	A	C	A	E	E	E
Leak Detect	10/30/07	13:55	N/A	21	10										
Leachate Jun Box	10/30/07	15:31	N/A	22	9										

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) KEVIN J SHIELDS

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/31/07 10:15	[signature]	10/31/07 2:30
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 152024

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

REC'D NOV 13 2007

ID#: 6031

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/15/07
DATE REPORTED : 10/30/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-8A	MW-17	Analysis Date	Analyst	Method Code
Antimony, ug/l	0.05	6.0	--- U	0.5 J	10/26/07	LFJ	EPA200.8
Arsenic, ug/l	0.47	10.0	2.3 J	10	10/26/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	141	161	10/26/07	LFJ	EPA200.8
Beryllium, ug/l	0.08	1.0	0.3 J	0.4 J	10/26/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	0.8 J	0.9 J	10/26/07	LFJ	EPA200.8
Cobalt, ug/l	0.41	10.0	36	290	10/26/07	LFJ	EPA200.8
Copper, ug/l	0.20	10.0	12	82	10/26/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	9.2 J	21	10/26/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	11	48.3	10/26/07	LFJ	EPA200.8
Nickel, ug/l	0.66	50.0	10 J	25 J	10/26/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	4.8 J	10	10/26/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	10/26/07	LFJ	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	0.3 J	10/26/07	LFJ	EPA200.8
Vanadium, ug/l	0.42	25.0	9.1 J	13.5 J	10/26/07	LFJ	EPA200.8
Zinc, ug/l	0.20	10.0	40	108	10/26/07	LFJ	EPA200.8

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/15/07
DATE ANALYZED: 10/24/07
DATE REPORTED: 10/30/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-8A	MW-17
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	0.60 J	0.90 J
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	1.00 J	1.50 J
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	2.80 J	3.20 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	2.30 J	2.30 J
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	1.00 J	0.80 J
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	0.70 J	1.70
21. 1,2-Dichloroethane	0.12	1.0	0.20 J	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	0.30 J	0.20 J
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	0.20 J	0.40 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	1.70 J	7.40
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	0.70 J	4.50
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	0.80 J
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6031

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/17/07
DATE REPORTED : 11/07/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-4B	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U	10/30/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	0.1 J	10/30/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	11	10/30/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	1352	10/30/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	10/30/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	10/30/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	35	10/30/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	1.0 J	10/30/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	0.6 J	10/30/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	--- U	10/30/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	10/30/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	4.2 J	10/30/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	8.3 J	10/30/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	10/30/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	0.2 J	03/05/07	CMF	EPA200.8
Tin, ug/l	0.12	100.0	1.7 J	10/30/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	--- U	03/05/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	4.3 J	10/30/07	CMF	EPA200.8
Sulfide, ug/l	100	1000	--- U	10/23/07	LFJ	SM4500-S2D

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/23/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	MW-4B
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	--- U
4. Delta-BHC	0.030	0.05	0.048 J
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37118
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/23/07
DATE ANALYZED: 11/02/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	MW-4B
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank	Trip Blank
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	3.30 J	--- U
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	0.20 J	1.90
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	0.20 J
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4B
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4B
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4B
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
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SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-4B
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	1.60
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	0.80 J
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	6.00 J
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	5.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	0.30 J
15. 2-Butanone	0.85	100.0	--- U
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	3.90
21. 1,2-Dichloroethane	0.12	1.0	0.20 J
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	0.40 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	13.50
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	0.30 J
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	5.20
44. 1,2-Dichlorobenzene	0.13	5.0	0.80 J
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U
48. Acrolein	5.46	50.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-4B
49. Allyl Chloride	0.17	10.0	--- U
50. Chloroprene	0.16	20.0	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U
52. Dichlorodifluoromethane	0.16	5.0	0.40 J
53. 1,3-Dichloropropane	0.12	1.0	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U
59. Methacrylonitrile	1.64	100.0	--- U
60. Methyl Methacrylate	0.10	30.0	--- U
61. Naphthalene	0.13	10.0	0.90 J
62. Propionitrile	1.60	150.0	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U
64. Acetonitrile	5.96	50.0	--- U

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Environment 1, Incorporated

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Wastewater ID: 10

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GREENVILLE, N.C. 27835-7085

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ID#: 6031

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/18/07
DATE REPORTED : 11/07/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-3	MW-7	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U	--- U	10/30/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	--- U	0.7 J	10/30/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	11	10/30/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	16.7 J	588	10/30/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	--- U	10/30/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	0.1 J	0.1 J	10/30/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	--- U	132	10/30/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	--- U	2.1 J	10/30/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	--- U	0.7 J	10/30/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	0.3 J	0.1 J	10/30/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	--- U	10/30/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	--- U	49.3 J	10/30/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	21	10/30/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	10/30/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	03/05/07	CMF	EPA200.8
Tin, ug/l	0.12	100.0	0.5 J	1.5 J	10/30/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	1.0 J	0.6 J	03/05/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	8.7 J	18	10/30/07	CMF	EPA200.8
Sulfide, ug/l	100	1000	--- U	--- U	10/23/07	LFJ	SM4500-S2D

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/18/07
DATE EXTRACTED: 10/23/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
1. Aldrin	0.029	0.05	--- U	--- U
2. Alpha-BHC	0.032	0.05	--- U	--- U
3. Beta-BHC	0.031	0.05	--- U	0.038 J
4. Delta-BHC	0.030	0.05	--- U	0.034 J
5. Gamma-BHC (Lindane)	0.032	0.05	--- U	--- U
6. Chlordane	0.320	0.50	--- U	--- U
7. 4,4-DDD	0.051	0.10	--- U	--- U
8. 4,4-DDE	0.049	0.10	--- U	--- U
9. 4,4-DDT	0.052	0.10	--- U	--- U
10. Dieldrin	0.042	0.07	--- U	--- U
11. Endosulfan I	0.056	0.10	--- U	--- U
12. Endosulfan II	0.046	0.10	--- U	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U	--- U
14. Endrin	0.053	0.10	--- U	--- U
15. Endrin Aldehyde	0.068	0.10	--- U	--- U
16. Heptachlor	0.039	0.05	--- U	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U	--- U
18. Methoxychlor	0.530	1.00	--- U	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U	--- U
20. Toxaphene	0.690	1.00	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
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CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/18/07
DATE EXTRACTED: 10/25/07
DATE ANALYZED: 11/01/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
1. 2,4-D	0.36	2.0	--- U	--- U
2. Dinoseb	0.54	1.0	--- U	--- U
3. 2,4,5-TP	0.42	2.0	--- U	--- U
4. 2,4,5-T	0.47	2.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/18/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Trip Blank
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	--- U
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	--- U
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	5.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U
15. 2-Butanone	0.85	100.0	--- U
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	0.20 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	--- U
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37718
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/18/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
1. Acenaphthene	2.66	10.0	--- U	--- U
2. Acenaphthylene	2.60	10.0	--- U	--- U
3. Anthracene	2.97	10.0	--- U	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U	--- U
16. Chrysene	4.04	10.0	--- U	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U	--- U
20. Diethyl Phthalate	3.92	10.0	--- U	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U	--- U
25. Fluoranthene	3.92	10.0	--- U	--- U
26. Fluorene	2.95	10.0	--- U	--- U
27. Hexachlorobenzene	2.61	10.0	--- U	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U	--- U
30. Isophorone	3.74	10.0	--- U	--- U
31. Nitrobenzene	2.85	10.0	--- U	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U	--- U
35. Phenanthrene	3.24	10.0	--- U	--- U
36. Pyrene	3.63	10.0	--- U	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U	--- U
38. 2-Chlorophenol	2.75	10.0	--- U	--- U
39. O-Cresol	3.68	10.0	--- U	--- U
40. P-Cresol	4.12	10.0	--- U	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U	--- U
48. 2-Nitrophenol	3.64	10.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 27714
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/18/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
49. 4-Nitrophenol	3.17	50.0	--- U	--- U
50. Pentachlorophenol	5.33	25.0	--- U	--- U
51. Phenol	1.86	10.0	--- U	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U	--- U
55. Acetophenone	2.89	10.0	--- U	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U	--- U
58. Benzyl Alcohol	4.47	20.0	--- U	--- U
59. 4-Chloroaniline	3.36	20.0	--- U	--- U
60. Chlorobenzilate	5.12	10.0	--- U	--- U
61. Diallate	2.98	10.0	--- U	--- U
62. Dibenzofuran	4.28	10.0	--- U	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U	--- U
64. Dimethoate	3.98	20.0	--- U	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U	--- U
69. Diphenylamine	5.10	10.0	--- U	--- U
70. Disulfoton	4.28	10.0	--- U	--- U
71. Famphur	3.98	20.0	--- U	--- U
72. Hexachloropropene	4.31	10.0	--- U	--- U
73. Isosafrole	2.88	10.0	--- U	--- U
74. Kepone	2.78	20.0	--- U	--- U
75. Methapyrilene	3.54	100.0	--- U	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U	--- U
78. Methyl Parathion	4.32	10.0	--- U	--- U
79. m-Cresol	3.81	10.0	--- U	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U	--- U
81. 1-Naphthylamine	5.61	10.0	--- U	--- U
82. 2-Naphthylamine	4.62	10.0	--- U	--- U
83. 2-Nitroaniline	3.61	50.0	--- U	--- U
84. 3-Nitroaniline	4.81	50.0	--- U	--- U
85. 4-Nitroaniline	4.22	20.0	--- U	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U	--- U
92. Parathion	3.12	10.0	--- U	--- U
93. Pentachlorobenzene	3.92	10.0	--- U	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U	--- U
95. Phenacetin	4.41	20.0	--- U	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
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CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/18/07
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DATE ANALYZED: 10/25/07
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REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
97. Phorate	3.86	10.0	--- U	--- U
98. Pronamide	3.69	10.0	--- U	--- U
99. Safrole	4.12	10.0	--- U	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U	--- U
101. Thionazin	4.62	20.0	--- U	--- U
102. O-Toluidine	4.11	10.0	--- U	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U	--- U
105. Hexachloroethane	1.49	10.0	--- U	--- U
106. Isodrin	3.11	20.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/18/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	1.70 J
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	3.20 J	4.10 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	0.20 J
12. 1,1-Dichloroethane	0.16	5.0	--- U	2.00 J
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	0.30 J
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	0.50 J	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	1.90
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	0.30 J
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	--- U	0.30 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	23.90
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	10.10
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	1.30 J
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U
48. Acrolein	5.46	50.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/18/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-3	MW-7
49. Allyl Chloride	0.17	10.0	--- U	--- U
50. Chloroprene	0.16	20.0	--- U	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U	1.00 J
52. Dichlorodifluoromethane	0.16	5.0	--- U	--- U
53. 1,3-Dichloropropane	0.12	1.0	--- U	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U	--- U
59. Methacrylonitrile	1.64	100.0	--- U	--- U
60. Methyl Methacrylate	0.10	30.0	--- U	--- U
61. Naphthalene	0.13	10.0	--- U	--- U
62. Propionitrile	1.60	150.0	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U	0.70 J
64. Acetonitrile	5.96	50.0	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37713
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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ID#: 6031

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/22/07
DATE REPORTED : 11/08/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-6	MW-10	MW-11	MW-12B	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U	--- U	--- U	--- U	10/30/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	--- U	--- U	0.1 J		10/30/07	CMF	EPA200.8
Antimony, ug/l	0.05	6.0				--- U	11/01/07	LFJ	EPA200.8
Arsenic, ug/l	0.47	10.0	2.8 J	0.9 J	2.2 J		10/30/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0				4.0 J	11/01/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	51.9 J	58.4 J	16.5 J		10/30/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0				59.6 J	11/01/07	LFJ	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	0.5 J	--- U		10/30/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0				--- U	11/01/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	0.1 J	--- U		10/30/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0				--- U	11/01/07	LFJ	EPA200.8
Cobalt, ug/l	0.41	10.0	161	19	7.5 J		10/30/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0				506	11/01/07	LFJ	EPA200.8
Copper, ug/l	0.20	10.0	4.4 J	10	1.7 J		10/30/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0				0.8 J	11/01/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	4.0 J	9.0 J	--- U		10/30/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0				--- U	11/01/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	2.8 J	4.9 J	0.9 J		10/30/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0				0.1 J	11/01/07	LFJ	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	--- U	--- U		10/30/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20				0.08 J	11/01/07	LFJ	EPA200.8
Nickel, ug/l	0.66	50.0	12.5 J	25.6 J	0.9 J		10/30/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0				21 J	10/18/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	--- U	--- U		10/30/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0				1.6 J	11/01/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U		10/30/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0				--- U	11/01/07	LFJ	EPA200.8
Thallium, ug/l	0.07	5.0	0.1 J	--- U	0.1 J		03/05/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0				0.2 J	11/01/07	LFJ	EPA200.8
Tin, ug/l	0.12	100.0	0.3 J	1.3 J	0.7 J		10/30/07	CMF	EPA200.8
Tin, ug/l	0.12	100.0				1.0 J	11/01/07	LFJ	EPA200.8
Vanadium, ug/l	0.42	25.0	4.0 J	6.9 J	0.8 J		03/05/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0				0.6 J	11/01/07	LFJ	EPA200.8
Zinc, ug/l	0.20	10.0	20	85	8.5 J		10/30/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0				7.5 J	11/01/07	LFJ	EPA200.8
Sulfide, ug/l	100	1000	--- U	--- U	--- U	--- U	10/25/07	LFJ	SM4500-S2D

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Environment 1, Incorporated

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Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/22/07
DATE EXTRACTED: 10/25/07
DATE ANALYZED: 11/06/07
DATE REPORTED: 11/08/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	MW-6	MW-10	MW-11	MW-12B
1. Aldrin	0.029	0.05	--- U	--- U	--- U	--- U
2. Alpha-BHC	0.032	0.05	--- U	--- U	--- U	--- U
3. Beta-BHC	0.031	0.05	--- U	--- U	--- U	--- U
4. Delta-BHC	0.030	0.05	--- U	--- U	--- U	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U	--- U	--- U	--- U
6. Chlordane	0.320	0.50	--- U	--- U	--- U	--- U
7. 4,4-DDD	0.051	0.10	--- U	--- U	--- U	--- U
8. 4,4-DDE	0.049	0.10	--- U	--- U	--- U	--- U
9. 4,4-DDT	0.052	0.10	--- U	--- U	--- U	--- U
10. Dieldrin	0.042	0.07	--- U	--- U	--- U	--- U
11. Endosulfan I	0.056	0.10	--- U	--- U	--- U	--- U
12. Endosulfan II	0.046	0.10	--- U	--- U	--- U	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U	--- U	--- U	--- U
14. Endrin	0.053	0.10	--- U	--- U	--- U	--- U
15. Endrin Aldehyde	0.068	0.10	--- U	--- U	--- U	--- U
16. Heptachlor	0.039	0.05	--- U	--- U	--- U	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U	--- U	--- U	--- U
18. Methoxychlor	0.530	1.00	--- U	--- U	--- U	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U	--- U	--- U	--- U
20. Toxaphene	0.690	1.00	--- U	--- U	--- U	--- U

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SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/22/07
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DATE ANALYZED: 11/01/07
DATE REPORTED: 11/08/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	MW-6	MW-10	MW-11	MW-12B
1. 2,4-D	0.36	2.0	--- U	--- U	--- U	--- U
2. Dinoseb	0.54	1.0	--- U	--- U	--- U	--- U
3. 2,4,5-TP	0.42	2.0	--- U	--- U	--- U	--- U
4. 2,4,5-T	0.47	2.0	--- U	--- U	--- U	--- U

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SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/22/07
DATE EXTRACTED: 10/24/07
DATE REPORTED: 11/08/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	10/25/07 MW-6	10/25/07 MW-10	10/25/07 MW-11	10/26/07 MW-12B
1. Acenaphthene	2.66	10.0	--- U	--- U	--- U	--- U
2. Acenaphthylene	2.60	10.0	--- U	--- U	--- U	--- U
3. Anthracene	2.97	10.0	--- U	--- U	--- U	--- U
4. Benzo[a]anthracene	4.16	10.0	--- U	--- U	--- U	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U	--- U	--- U	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U	--- U	--- U	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U	--- U	--- U	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U	--- U	--- U	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U	--- U	--- U	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U	--- U	--- U	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U	--- U	--- U	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U	--- U	--- U	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U	--- U	--- U	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U	--- U	--- U	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U	--- U	--- U	--- U
16. Chrysene	4.04	10.0	--- U	--- U	--- U	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U	--- U	--- U	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U	--- U	--- U	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U	--- U	--- U	--- U
20. Diethyl Phthalate	3.92	10.0	--- U	--- U	--- U	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U	--- U	--- U	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U	--- U	--- U	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U	--- U	--- U	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U	--- U	--- U	--- U
25. Fluoranthene	3.92	10.0	--- U	--- U	--- U	--- U
26. Fluorene	2.95	10.0	--- U	--- U	--- U	--- U
27. Hexachlorobenzene	2.61	10.0	--- U	--- U	--- U	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U	--- U	--- U	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U	--- U	--- U	--- U
30. Isophorone	3.74	10.0	--- U	--- U	--- U	--- U
31. Nitrobenzene	2.85	10.0	--- U	--- U	--- U	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U	--- U	--- U	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U	--- U	--- U	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U	--- U	--- U	--- U
35. Phenanthrene	3.24	10.0	--- U	--- U	--- U	--- U
36. Pyrene	3.63	10.0	--- U	--- U	--- U	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U	--- U	--- U	--- U
38. 2-Chlorophenol	2.75	10.0	--- U	--- U	--- U	--- U
39. O-Cresol	3.68	10.0	--- U	--- U	--- U	--- U
40. P-Cresol	4.12	10.0	--- U	--- U	--- U	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U	--- U	--- U	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U	--- U	--- U	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U	--- U	--- U	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U	--- U	--- U	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U	--- U	--- U	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U	--- U	--- U	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
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P.O. BOX 7085, 114 OAKMONT DRIVE
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REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	10/25/07 MW-6	10/25/07 MW-10	10/25/07 MW-11	10/26/07 MW-12B
48. 2-Nitrophenol	3.64	10.0	--- U	--- U	--- U	--- U
49. 4-Nitrophenol	3.17	50.0	--- U	--- U	--- U	--- U
50. Pentachlorophenol	5.33	25.0	--- U	--- U	--- U	--- U
51. Phenol	1.86	10.0	--- U	--- U	--- U	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U	--- U	--- U	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U	--- U	--- U	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U	--- U	--- U	--- U
55. Acetophenone	2.89	10.0	--- U	--- U	--- U	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U	--- U	--- U	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U	--- U	--- U	--- U
58. Benzyl Alcohol	4.47	20.0	--- U	--- U	--- U	--- U
59. 4-Chloroaniline	3.36	20.0	--- U	--- U	--- U	--- U
60. Chlorobenzilate	5.12	10.0	--- U	--- U	--- U	--- U
61. Diallate	2.98	10.0	--- U	--- U	--- U	--- U
62. Dibenzofuran	4.28	10.0	--- U	--- U	--- U	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U	--- U	--- U	--- U
64. Dimethoate	3.98	20.0	--- U	--- U	--- U	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U	--- U	--- U	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U	--- U	--- U	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U	--- U	--- U	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U	--- U	--- U	--- U
69. Diphenylamine	5.10	10.0	--- U	--- U	--- U	--- U
70. Disulfoton	4.28	10.0	--- U	--- U	--- U	--- U
71. Famphur	3.98	20.0	--- U	--- U	--- U	--- U
72. Hexachloropropene	4.31	10.0	--- U	--- U	--- U	--- U
73. Isosafrole	2.88	10.0	--- U	--- U	--- U	--- U
74. Kepone	2.78	20.0	--- U	--- U	--- U	--- U
75. Methapyrilene	3.54	100.0	--- U	--- U	--- U	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U	--- U	--- U	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U	--- U	--- U	--- U
78. Methyl Parathion	4.32	10.0	--- U	--- U	--- U	--- U
79. m-Cresol	3.81	10.0	--- U	--- U	--- U	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U	--- U	--- U	--- U
81. 1-Naphthylamine	5.61	10.0	--- U	--- U	--- U	--- U
82. 2-Naphthylamine	4.62	10.0	--- U	--- U	--- U	--- U
83. 2-Nitroaniline	3.61	50.0	--- U	--- U	--- U	--- U
84. 3-Nitroaniline	4.81	50.0	--- U	--- U	--- U	--- U
85. 4-Nitroaniline	4.22	20.0	--- U	--- U	--- U	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U	--- U	--- U	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U	--- U	--- U	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U	--- U	--- U	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U	--- U	--- U	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U	--- U	--- U	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U	--- U	--- U	--- U
92. Parathion	3.12	10.0	--- U	--- U	--- U	--- U
93. Pentachlorobenzene	3.92	10.0	--- U	--- U	--- U	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37718
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: CHS
DATE COLLECTED: 10/22/07
DATE EXTRACTED: 10/24/07
DATE REPORTED: 11/08/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	10/25/07 MW-6	10/25/07 MW-10	10/25/07 MW-11	10/26/07 MW-12B
95. Phenacetin	4.41	20.0	--- U	--- U	--- U	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U	--- U	--- U	--- U
97. Phorate	3.86	10.0	--- U	--- U	--- U	--- U
98. Pronamide	3.69	10.0	--- U	--- U	--- U	--- U
99. Safrole	4.12	10.0	--- U	--- U	--- U	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U	--- U	--- U	--- U
101. Thionazin	4.62	20.0	--- U	--- U	--- U	--- U
102. O-Toluidine	4.11	10.0	--- U	--- U	--- U	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U	--- U	--- U	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U	--- U	--- U	--- U
105. Hexachloroethane	1.49	10.0	--- U	--- U	--- U	--- U
106. Isodrin	3.11	20.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/22/07
DATE ANALYZED: 10/30/07
DATE REPORTED: 11/08/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-6	MW-10	MW-11	MW-12B
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	7.70 J	11.20 J	--- U	5.30 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	0.30 J	--- U	1.00 J	1.10 J
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	0.50 J	--- U	--- U	0.40 J
15. 2-Butanone	0.85	100.0	3.70 J	5.40 J	--- U	2.40 J
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	0.60 J
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	0.30 J
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	1.20 J	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	10.30
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	5.70
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	0.70 J
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U
48. Acrolein	5.46	50.0	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031

ANALYST: MAO
DATE COLLECTED: 10/22/07
DATE ANALYZED: 10/30/07
DATE REPORTED: 11/08/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS ug/l	MDL	SWSL	MW-6	MW-10	MW-11	MW-12B
49. Allyl Chloride	0.17	10.0	--- U	--- U	--- U	--- U
50. Chloroprene	0.16	20.0	--- U	--- U	--- U	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	0.30 J
52. Dichlorodifluoromethane	0.16	5.0	--- U	--- U	0.20 J	--- U
53. 1,3-Dichloropropane	0.12	1.0	--- U	--- U	--- U	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U	--- U	--- U	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U	--- U	--- U	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U	--- U	--- U	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U	--- U	--- U	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U	--- U	--- U	--- U
59. Methacrylonitrile	1.64	100.0	--- U	--- U	--- U	--- U
60. Methyl Methacrylate	0.10	30.0	--- U	--- U	--- U	--- U
61. Naphthalene	0.13	10.0	--- U	--- U	--- U	--- U
62. Propionitrile	1.60	150.0	--- U	--- U	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U	--- U	--- U	0.20 J
64. Acetonitrile	5.96	50.0	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 Y

ANALYST: MAO
DATE COLLECTED: 10/22/07
DATE ANALYZED: 10/30/07
DATE REPORTED: 11/07/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank	Trip Blank
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	--- U	0.30 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE N.C. 27835-7085

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ID#: 6031 A

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/17/07
DATE REPORTED : 11/07/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9C	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U	--- U	--- U	--- U	Missing	10/22/07	SEJ	SM4500 CN-
Antimony, ug/l	0.05	6.0	--- U	--- U	--- U	0.1 J	Missing	10/30/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	--- U	3.0 J	3.1 J	Missing	10/30/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	31.3 J	17.6 J	31.4 J	117	Missing	10/30/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	0.5 J	--- U	--- U	Missing	10/30/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	0.2 J	0.2 J	0.1 J	0.1 J	Missing	10/30/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	5.7 J	6.4 J	27	83	Missing	10/30/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	0.3 J	3.9 J	0.7 J	1.9 J	Missing	10/30/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	--- U	4.8 J	--- U	1.0 J	Missing	10/30/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	0.1 J	2.9 J	--- U	0.9 J	Missing	10/30/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	--- U	--- U	0.06 J	Missing	10/30/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	5.0 J	9.8 J	12.2 J	4.0 J	Missing	10/30/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	0.7 J	9.8 J	6.2 J	Missing	10/30/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	--- U	Missing	10/30/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	--- U	0.1 J	Missing	03/05/07	CMF	EPA200.8
Tin, ug/l	0.12	100.0	0.8 J	0.4 J	0.4 J	0.6 J	Missing	10/30/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	--- U	3.2 J	--- U	1.1 J	Missing	03/05/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	14	31	6.5 J	2.8 J	Missing	10/30/07	CMF	EPA200.8
Sulfide, ug/l	100	1000	--- U	--- U	--- U	--- U	Missing	10/23/07	LFJ	SM4500-S2D
Method 8270C (duplicate)	100	1000					Missing	/ /		
EPA Method 8081A (duplicate)	100	1000					Missing	/ /		
82II (duplicate)	100	1000					Missing	/ /		

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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ID#: 6031 A

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/17/07
DATE REPORTED : 11/07/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-9D	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U	10/22/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	0.1 J	10/30/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	10/30/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	4.1 J	10/30/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	10/30/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	10/30/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	0.9 J	10/30/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	--- U	10/30/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	--- U	10/30/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	--- U	10/30/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	10/30/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	--- U	10/30/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	10/30/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	10/30/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	03/05/07	CMF	EPA200.8
Tin, ug/l	0.12	100.0	0.3 J	10/30/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	--- U	03/05/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	3.9 J	10/30/07	CMF	EPA200.8
Sulfide, ug/l	100	1000	--- U	10/23/07	LFJ	SM4500-S2D

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/23/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
1. Aldrin	0.029	0.05	--- U	--- U	--- U	--- U	--- U
2. Alpha-BHC	0.032	0.05	--- U	--- U	--- U	--- U	--- U
3. Beta-BHC	0.031	0.05	--- U	--- U	--- U	--- U	--- U
4. Delta-BHC	0.030	0.05	--- U	--- U	--- U	--- U	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U	--- U	--- U	--- U	--- U
6. Chlordane	0.320	0.50	--- U	--- U	--- U	--- U	--- U
7. 4,4-DDD	0.051	0.10	--- U	--- U	--- U	--- U	--- U
8. 4,4-DDE	0.049	0.10	--- U	--- U	--- U	--- U	--- U
9. 4,4-DDT	0.052	0.10	--- U	--- U	--- U	--- U	--- U
10. Dieldrin	0.042	0.07	--- U	--- U	--- U	--- U	--- U
11. Endosulfan I	0.056	0.10	--- U	--- U	--- U	--- U	--- U
12. Endosulfan II	0.046	0.10	--- U	--- U	--- U	--- U	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U	--- U	--- U	--- U	--- U
14. Endrin	0.053	0.10	--- U	--- U	--- U	--- U	--- U
15. Endrin Aldehyde	0.068	0.10	--- U	--- U	--- U	--- U	--- U
16. Heptachlor	0.039	0.05	--- U	--- U	--- U	--- U	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U	--- U	--- U	--- U	--- U
18. Methoxychlor	0.530	1.00	--- U	--- U	--- U	--- U	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U	--- U	--- U	--- U	--- U
20. Toxaphene	0.690	1.00	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/23/07
DATE ANALYZED: 11/01/07
DATE REPORTED: 11/07/07

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LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
1. 2,4-D	0.36	2.0	--- U	--- U	--- U	--- U	--- U
2. Dinoseb	0.54	1.0	--- U	--- U	--- U	--- U	--- U
3. 2,4,5-TP	0.42	2.0	--- U	--- U	--- U	--- U	--- U
4. 2,4,5-T	0.47	2.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

Page: 1

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SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
1. Acenaphthene	2.66	10.0	--- U	--- U	--- U	--- U	--- U
2. Acenaphthylene	2.60	10.0	--- U	--- U	--- U	--- U	--- U
3. Anthracene	2.97	10.0	--- U	--- U	--- U	--- U	--- U
4. Benzo[a]anthracene	4.16	10.0	--- U	--- U	--- U	--- U	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U	--- U	--- U	--- U	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U	--- U	--- U	--- U	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U	--- U	--- U	--- U	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U	--- U	--- U	--- U	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U	--- U	--- U	--- U	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U	--- U	--- U	--- U	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U	--- U	--- U	--- U	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U	--- U	--- U	--- U	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U	--- U	--- U	--- U	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U	--- U	--- U	--- U	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U	--- U	--- U	--- U	--- U
16. Chrysene	4.04	10.0	--- U	--- U	--- U	--- U	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U	--- U	--- U	--- U	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U	--- U	--- U	--- U	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U	--- U	--- U	--- U	--- U
20. Diethyl Phthalate	3.92	10.0	--- U	--- U	--- U	--- U	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U	--- U	--- U	--- U	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U	--- U	--- U	--- U	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U	--- U	--- U	--- U	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U	--- U	--- U	--- U	--- U
25. Fluoranthene	3.92	10.0	--- U	--- U	--- U	--- U	--- U
26. Fluorene	2.95	10.0	--- U	--- U	--- U	--- U	--- U
27. Hexachlorobenzene	2.61	10.0	--- U	--- U	--- U	--- U	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U	--- U	--- U	--- U	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U	--- U	--- U	--- U	--- U
30. Isophorone	3.74	10.0	--- U	--- U	--- U	--- U	--- U
31. Nitrobenzene	2.85	10.0	--- U	--- U	--- U	--- U	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U	--- U	--- U	--- U	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U	--- U	--- U	--- U	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U	--- U	--- U	--- U	--- U
35. Phenanthrene	3.24	10.0	--- U	--- U	--- U	--- U	--- U
36. Pyrene	3.63	10.0	--- U	--- U	--- U	--- U	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U	--- U	--- U	--- U	--- U
38. 2-Chlorophenol	2.75	10.0	--- U	--- U	--- U	--- U	--- U
39. O-Cresol	3.68	10.0	--- U	--- U	--- U	--- U	--- U
40. P-Cresol	4.12	10.0	--- U	--- U	--- U	--- U	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U	--- U	--- U	--- U	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U	--- U	--- U	--- U	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U	--- U	--- U	--- U	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U	--- U	--- U	--- U	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U	--- U	--- U	--- U	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U	--- U	--- U	--- U	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U	--- U	--- U	--- U	--- U
48. 2-Nitrophenol	3.64	10.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
49. 4-Nitrophenol	3.17	50.0	--- U	--- U	--- U	--- U	--- U
50. Pentachlorophenol	5.33	25.0	--- U	--- U	--- U	--- U	--- U
51. Phenol	1.86	10.0	--- U	--- U	--- U	--- U	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U	--- U	--- U	--- U	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U	--- U	--- U	--- U	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U	--- U	--- U	--- U	--- U
55. Acetophenone	2.89	10.0	--- U	--- U	--- U	--- U	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U	--- U	--- U	--- U	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U	--- U	--- U	--- U	--- U
58. Benzyl Alcohol	4.47	20.0	--- U	--- U	--- U	--- U	--- U
59. 4-Chloroaniline	3.36	20.0	--- U	--- U	--- U	--- U	--- U
60. Chlorobenzilate	5.12	10.0	--- U	--- U	--- U	--- U	--- U
61. Diallate	2.98	10.0	--- U	--- U	--- U	--- U	--- U
62. Dibenzofuran	4.28	10.0	--- U	--- U	--- U	--- U	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U	--- U	--- U	--- U	--- U
64. Dimethoate	3.98	20.0	--- U	--- U	--- U	--- U	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U	--- U	--- U	--- U	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U	--- U	--- U	--- U	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U	--- U	--- U	--- U	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U	--- U	--- U	--- U	--- U
69. Diphenylamine	5.10	10.0	--- U	--- U	--- U	--- U	--- U
70. Disulfoton	4.28	10.0	--- U	--- U	--- U	--- U	--- U
71. Famphur	3.98	20.0	--- U	--- U	--- U	--- U	--- U
72. Hexachloropropene	4.31	10.0	--- U	--- U	--- U	--- U	--- U
73. Isosafrole	2.88	10.0	--- U	--- U	--- U	--- U	--- U
74. Kepone	2.78	20.0	--- U	--- U	--- U	--- U	--- U
75. Methapyrilene	3.54	100.0	--- U	--- U	--- U	--- U	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U	--- U	--- U	--- U	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U	--- U	--- U	--- U	--- U
78. Methyl Parathion	4.32	10.0	--- U	--- U	--- U	--- U	--- U
79. m-Cresol	3.81	10.0	--- U	--- U	--- U	--- U	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U	--- U	--- U	--- U	--- U
81. 1-Naphthylamine	5.61	10.0	--- U	--- U	--- U	--- U	--- U
82. 2-Naphthylamine	4.62	10.0	--- U	--- U	--- U	--- U	--- U
83. 2-Nitroaniline	3.61	50.0	--- U	--- U	--- U	--- U	--- U
84. 3-Nitroaniline	4.81	50.0	--- U	--- U	--- U	--- U	--- U
85. 4-Nitroaniline	4.22	20.0	--- U	--- U	--- U	--- U	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U	--- U	--- U	--- U	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U	--- U	--- U	--- U	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U	--- U	--- U	--- U	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U	--- U	--- U	--- U	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U	--- U	--- U	--- U	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U	--- U	--- U	--- U	--- U
92. Parathion	3.12	10.0	--- U	--- U	--- U	--- U	--- U
93. Pentachlorobenzene	3.92	10.0	--- U	--- U	--- U	--- U	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U	--- U	--- U	--- U	--- U
95. Phenacetin	4.41	20.0	--- U	--- U	--- U	--- U	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 A

ANALYST: CHS
DATE COLLECTED: 10/17/07
DATE EXTRACTED: 10/24/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/07/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
97. Phorate	3.86	10.0	--- U	--- U	--- U	--- U	--- U
98. Pronamide	3.69	10.0	--- U	--- U	--- U	--- U	--- U
99. Safrole	4.12	10.0	--- U	--- U	--- U	--- U	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U	--- U	--- U	--- U	--- U
101. Thionazin	4.62	20.0	--- U	--- U	--- U	--- U	--- U
102. O-Toluidine	4.11	10.0	--- U	--- U	--- U	--- U	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U	--- U	--- U	--- U	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U	--- U	--- U	--- U	--- U
105. Hexachloroethane	1.49	10.0	--- U	--- U	--- U	--- U	--- U
106. Isodrin	3.11	20.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
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CLIENT ID: 6031 A

ANALYST: MAO
DATE COLLECTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	0.80 J	0.70 J	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	0.70 J	1.20 J	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	2.30 J	2.20 J	3.20 J	2.90 J	2.50 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	0.20 J	--- U	0.40 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	0.20 J	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	0.70 J	4.10 J	2.80 J	0.50 J
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	9.50	1.10 J	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	0.60 J	0.80 J	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	0.20 J	0.20 J	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	0.50 J	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	0.50 J	0.50 J	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	0.20 J	0.20 J	0.30 J	0.20 J	0.20 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	0.20 J	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	8.40	2.00 J	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	6.00	1.10	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	0.40 J	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U
48. Acrolein	5.46	50.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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MR. KEVIN SHIELDS
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ANALYST: MAO
DATE COLLECTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/07/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-4D	MW-5A	MW-7D	MW-8D	MW-9D
49. Allyl Chloride	0.17	10.0	--- U	--- U	--- U	--- U	--- U
50. Chloroprene	0.16	20.0	--- U	--- U	--- U	--- U	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U	--- U	0.30 J	--- U	--- U
52. Dichlorodifluoromethane	0.16	5.0	--- U	0.20 J	0.20 J	--- U	0.40 J
53. 1,3-Dichloropropane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U	--- U	--- U	--- U	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U	--- U	--- U	--- U	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U	--- U	--- U	--- U	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U	--- U	--- U	--- U	--- U
59. Methacrylonitrile	1.64	100.0	--- U	--- U	--- U	--- U	--- U
60. Methyl Methacrylate	0.10	30.0	--- U	--- U	--- U	--- U	--- U
61. Naphthalene	0.13	10.0	--- U	--- U	--- U	--- U	--- U
62. Propionitrile	1.60	150.0	--- U	--- U	--- U	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U	--- U	0.60 J	--- U	--- U
64. Acetonitrile	5.96	50.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37713
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
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ID#: 6031 C

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/15/07
DATE REPORTED : 11/02/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1A	SW-2	Piezometer #3	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0			--- U	10/22/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	0.1 J	0.1 J	0.2 J	10/26/07	LFJ	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	0.7 J	31	10/26/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	41.1 J	20 J	40 J	10/26/07	LFJ	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	--- U	--- U	10/26/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	0.4 J	--- U	0.4 J	10/26/07	LFJ	EPA200.8
Cobalt, ug/l	0.41	10.0	0.7 J	0.7 J	--- U	10/26/07	LFJ	EPA200.8
Copper, ug/l	0.20	10.0	1.6 J	1.3 J	4.8 J	10/26/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	--- U	--- U	2.5 J	10/26/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	0.2 J	0.2 J	1.7 J	10/26/07	LFJ	EPA200.8
Mercury, ug/l	0.04	0.20			--- U	10/29/07	LFJ	EPA200.8
Nickel, ug/l	0.66	50.0	2.4 J	2.3 J	1.3 J	10/26/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	0.6 J	0.5 J	2.6 J	10/26/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	10/26/07	LFJ	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	--- U	10/26/07	LFJ	EPA200.8
Tin, ug/l	0.12	100.0			0.7 J	10/26/07	LFJ	EPA200.8
Vanadium, ug/l	0.42	25.0	1.4 J	1.7 J	5.2 J	10/26/07	LFJ	EPA200.8
Zinc, ug/l	0.20	10.0	13	3.3 J	14	10/26/07	LFJ	EPA200.8
Sulfide, ug/l	100	1000			--- U	10/17/07	LFJ	SM4500-S2D

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: CHS
DATE COLLECTED: 10/15/07
DATE EXTRACTED: 10/17/07
DATE ANALYZED: 10/26/07
DATE REPORTED: 11/02/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	--- U
4. Delta-BHC	0.030	0.05	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 17715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: CHS
DATE COLLECTED: 10/15/07
DATE EXTRACTED: 10/21/07
DATE ANALYZED: 11/01/07
DATE REPORTED: 11/02/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: MAO
DATE COLLECTED: 10/15/07
DATE ANALYZED: 10/25/07
DATE REPORTED: 11/02/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1A	SW-2
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	2.90 J	3.20 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	0.30 J	0.30 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37725
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: CHS
DATE COLLECTED: 10/15/07
DATE EXTRACTED: 10/17/07
DATE ANALYZED: 10/19/07
DATE REPORTED: 11/02/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: CHS
DATE COLLECTED: 10/15/07
DATE EXTRACTED: 10/17/07
DATE ANALYZED: 10/19/07
DATE REPORTED: 11/02/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37716
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: CHS
DATE COLLECTED: 10/15/07
DATE EXTRACTED: 10/17/07
DATE ANALYZED: 10/19/07
DATE REPORTED: 11/02/07

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37716
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 C

ANALYST: MAO
DATE COLLECTED: 10/15/07
DATE ANALYZED: 10/24/07
DATE REPORTED: 11/02/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	0.70 J
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	5.80 J
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	5.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	0.60 J
15. 2-Butanone	0.85	100.0	--- U
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	2.70
21. 1,2-Dichloroethane	0.12	1.0	--- U
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	0.70 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	12.80
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	--- U
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	9.20
44. 1,2-Dichlorobenzene	0.13	5.0	2.10 J
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U
48. Acrolein	5.46	50.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37713
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
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CLIENT ID: 6031 C

ANALYST: MAO
DATE COLLECTED: 10/15/07
DATE ANALYZED: 10/24/07
DATE REPORTED: 11/02/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Piezometer #3
49. Allyl Chloride	0.17	10.0	--- U
50. Chloroprene	0.16	20.0	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	0.50 J
52. Dichlorodifluoromethane	0.16	5.0	--- U
53. 1,3-Dichloropropane	0.12	1.0	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U
59. Methacrylonitrile	1.64	100.0	--- U
60. Methyl Methacrylate	0.10	30.0	--- U
61. Naphthalene	0.13	10.0	0.60 J
62. Propionitrile	1.60	150.0	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U
64. Acetonitrile	5.96	50.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6031 D

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD ,NC 27577

DATE COLLECTED: 10/15/07
DATE REPORTED : 10/30/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-14D	MW-15D	MW-16D	Analysis Date	Analyst	Method Code
Antimony, ug/l	0.05	6.0	--- U	0.5 J	0.1 J	10/26/07	LFJ	EPA200.8
Arsenic, ug/l	0.47	10.0	1.2 J	2.2 J	0.8 J	10/26/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	2.2 J	26 J	72.5 J	10/26/07	LFJ	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	0.1 J	0.2 J	10/26/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	0.9 J	0.1 J	0.6 J	10/26/07	LFJ	EPA200.8
Cobalt, ug/l	0.41	10.0	0.8 J	1.1 J	1.2 J	10/26/07	LFJ	EPA200.8
Copper, ug/l	0.20	10.0	3.4 J	2.3 J	3.0 J	10/26/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	0.9 J	1.5 J	3.6 J	10/26/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	4.6 J	3.7 J	1.9 J	10/26/07	LFJ	EPA200.8
Nickel, ug/l	0.66	50.0	2.5 J	2.6 J	3.0 J	10/26/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	3.5 J	0.7 J	1.4 J	10/26/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	10/26/07	LFJ	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	--- U	10/26/07	LFJ	EPA200.8
Vanadium, ug/l	0.42	25.0	2.6 J	1.7 J	6.3 J	10/26/07	LFJ	EPA200.8
Zinc, ug/l	0.20	10.0	11	8.4 J	25	10/26/07	LFJ	EPA200.8

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577

CLIENT ID: 6031 D

ANALYST: MAO
DATE COLLECTED: 10/15/07
DATE ANALYZED: 10/24/07
DATE REPORTED: 10/30/07

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-14D	MW-15D	MW-16D	Trip Blank
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	0.50 J	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	0.30 J	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	1.70 J	1.80 J	3.00 J	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	0.20 J	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	3.90 J	--- U	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	5.20	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	0.30 J	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	0.30 J	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	0.60 J	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	0.20 J	0.20 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	0.20 J	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	2.10 J	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	1.40	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

-2 COOLERS

CHAIN OF CUSTODY RECORD

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6031 C **Week:** 42

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4747

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Cyanide	Metals	Sulfide	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8151A Landfill
						7/12	L2	7/9	L2							L2	L2	
						P	P	P	G	G	G	G	G	G	G	G	G	G
						D	A	F D	E	E	E	A	A	A	A	E	E	A
SW-1A	10/15/07	09:36	N/A	14	4		■		■	■	■							
SW-2	↓	08:54	N/A	14	3		■		■	■								
Piezometer #3	↓	16:01	N/A	22	10	■	■	■				■	■	■	■	■	■	■
~~Equipment Blank~~	↓				~~3~~											~~■~~	~~■~~	
Trip Blank	↓				1 ~~2~~											■	~~■~~	

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:

☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/16/07 10:30	[signature]	10/16/07 3:20
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: ~~[illegible]~~ ~~[illegible]~~ FOR KGS 10/15/07

ADDITIONAL SAMPLES PULLED FOR QA/QC ON PZ #3.

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 152041

FORM #5

Environment 1, Inc.
P.O. Box 70~~85, 114~~ Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

-2 COOLERS -

CHAIN OF CUSTODY RECORD

CLIENT: 6031 D / 6031 Week: 42

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4747

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Metals	EPA 8260B	8260 Dup. 1	8260 Dup. 2
							~~2~~	~~2~~	
						P	G	G	G
						A	E	E	E
MW-14D	10/15/07	11:15	N/A	16	4				
MW-15D	↓	12:05	↓	17	3				
MW-16D *	↓	12:54	↓	18	3				
MW-8A	↓	15:06	↓	19	3	X	X	X	
MW-17	↓	14:40	↓	20	3	X	X	X	

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 10 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/16/07 10:30	[signature]	10/16/07 3:20
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: * MW 16D - 8260D WITH YELLOW CAP. - USED ANOTHER VIAL DUE TO BREAKAGE.

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 152040

Environment 1, Inc.
P.O. Box 7085; 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

– 7 COOLERS –

CHAIN OF CUSTODY RECORD

CLIENT: 6031 A & 6031 L Week: 42

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4747

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Cyanide	Metals	Sulfide	EPA 8270C	8270C Dup. 1	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																
pH CHECK (LAB)							12	12					12	12	12	
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G	G	G
CHEMICAL PRESERVATION						D	A	F D	A	A	A	A	E	E	E	A
MW-4D	10/17/07	08:58	N/A	18	11											
MW-5A		09:51		19	10											
MW-7D		13:41		18	10											
MW-8D		10:45		17	10											
MW-9C		INSUFFICIENT WATER VOLUME FOR SAMPLING			10											
MW-9D	10/17/07	11:40	N/A	18	10											
MW-4B	10/17/07	15:15		20												
TRIP BLANK	10/17/07	N/A	N/A	N/A									X			
EQUIPMENT BLANK	10/17/07	16:25	N/A	N/A									X			

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y (circled) N

SAMPLES COLLECTED BY: (Please Print) KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/18/07 10:15	[signature]	10/18/07 3:20
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: ADDITIONAL SAMPLES PULLED FOR LAB QA/QC PURPOSES.

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 152042

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

— 2 COOLERS —

CHAIN OF CUSTODY RECORD

CLIENT: 6031, WEEK: 42

JOHNSTON COUNTY LANDFILL (QD)
KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD, NC 27577
(919) 938-4747

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	CYANIDE	METALS	SULFIDE	EPA 8260 B	8260 Dup. 1	EPA 8270C	8270C Dup 1	EPA 8081A	8081A Dup.	8260 App. II 1	8260 App. II 1	8260 App II 2	8151A LANDFILL			
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)						7.0	<2	7.9	<2						<2	<2	<2				
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G	G	G	G	G			
CHEMICAL PRESERVATION						D	A	F D	E	E	A	A	A	A	E	E	E	A			
MW-3	10/18/07	13:12	N/A	19	11	X	X	X			X	X	X	X	X	X	X	X			
MW-7	↓	11:12	N/A	19	10	X	X	X			X	X	X	X	X	X		X			
TRIP BLANK		N/A	N/A		1				X												

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 2.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/19/07 10:25	[signature]	10/19/07 3:22
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: ADDITIONAL QA/QC SAMPLES PROVIDED FOR LAB PURPOSES.

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 152339

-3 Coolers-

CHAIN OF CUSTODY RECORD

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6031 **Week:** 42

JOHNSTON COUNTY LANDFILL (OLD)
MR. KEVIN SHIELDS
P.O. BOX 2263
SMITHFIELD NC 27577

(919) 938-4747

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Cyanide	Metals	Sulfide	EPA 8260B	8260 Dup. 1	EPA 8270C	8270C Dup. 1	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill			
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)						12	2	9	2	2					2	2	2				
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G	G	G	G	G			
CHEMICAL PRESERVATION						D	A	F D	E	E	A	A	A	A	E	E	E	A			
MW-3					11																
MW-4B					10																
MW-6	10/22/07	10:58	N/A	18	10																
MW-7					10																
MW-8A					3																
MW-10	10/22/07	12:58	N/A	18	10																
MW-11	10/22/07	14:47	N/A	18	10																
MW-12B	10/22/07	09:11	N/A	19	10																
MW-17					3																
TRIP BLANK	10/22/07	N/A	N/A	N/A					X												
EQUIPMENT BLANK	10/22/07	15:58							X												

PARAMETERS

CHEMICAL PRESERVATION: A - NONE; B - HNO_3; C - H_2SO_4; D - NAOH; E - HCL; F - ZINC ACETATE; G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y (✓) N

SAMPLES COLLECTED BY: (Please Print) KEVIN J. SHIELDS

SAMPLES RECEIVED IN LAB AT 2.8 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10/23/07 10:15	[signature]	10/23/07 3:30
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: ADDITIONAL 8270, 8081 & 8151 SAMPLES PULLED FOR LAB QA/QC PURPOSES. WELL #6, HOWEVER, COULDN'T RECOVER ENOUGH WATER FOR A FULL TRIPLICATE

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 152043

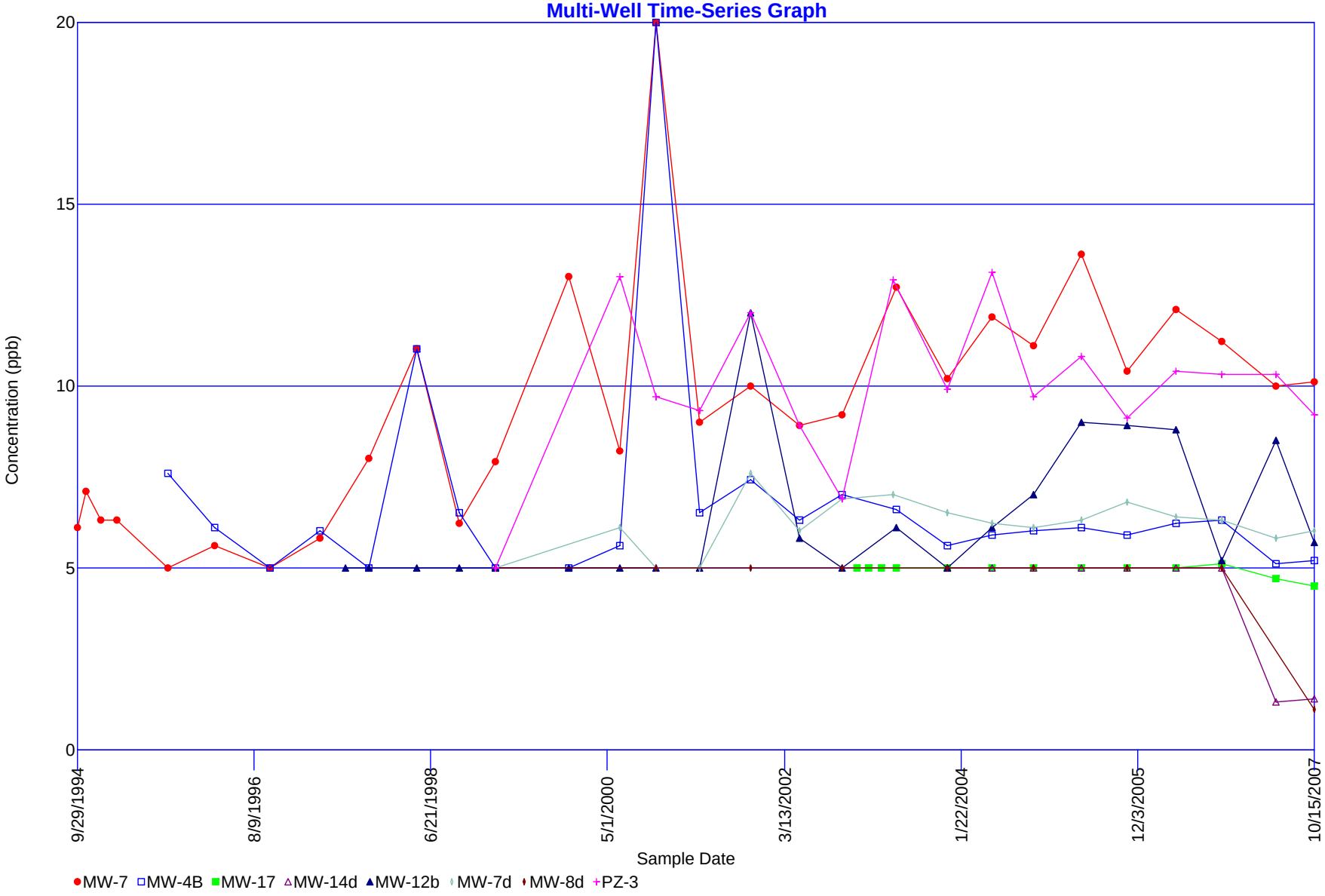
FORM #5

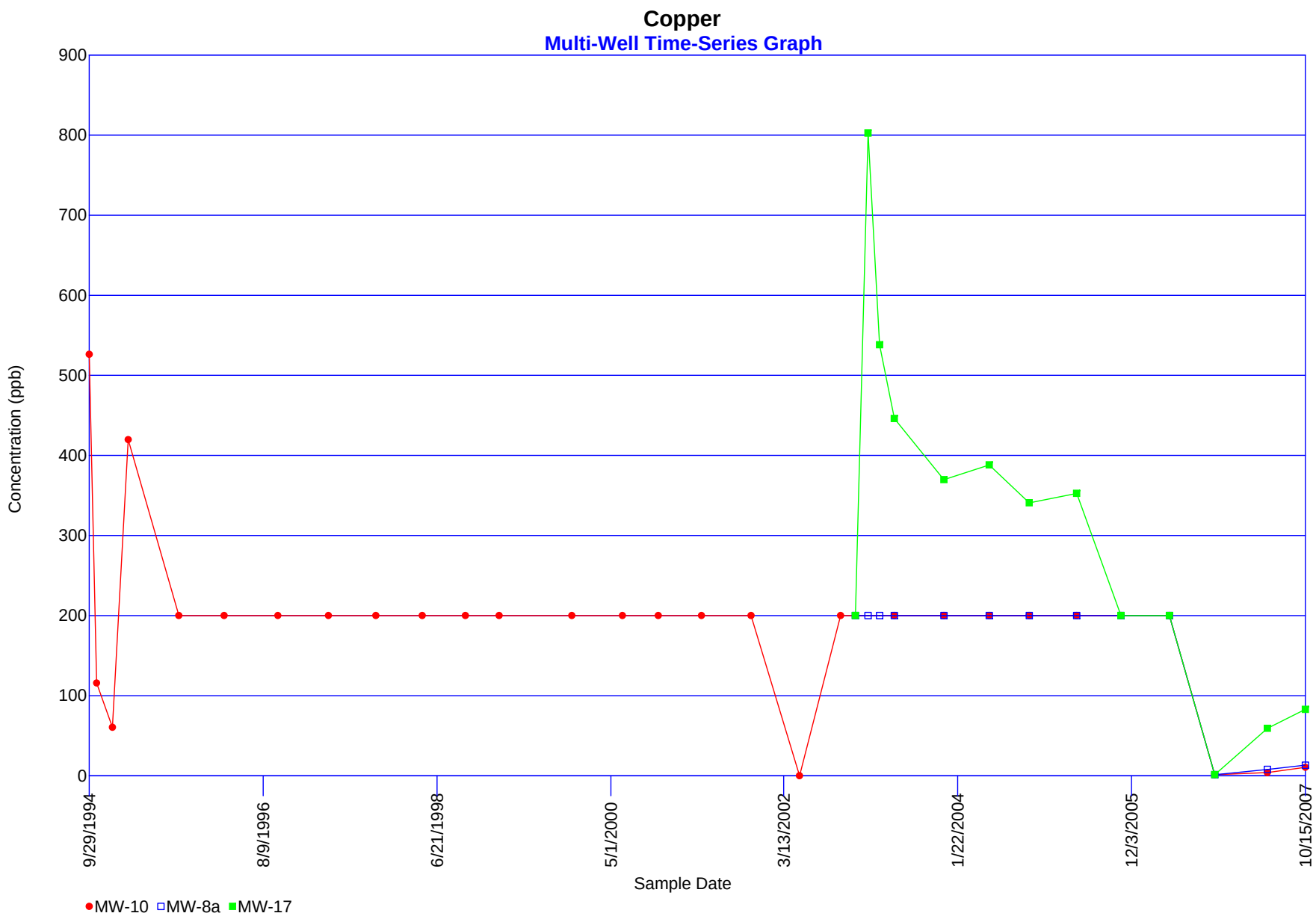
Appendix B

Time vs. Concentration Graphs

1,4-Dichlorobenzene

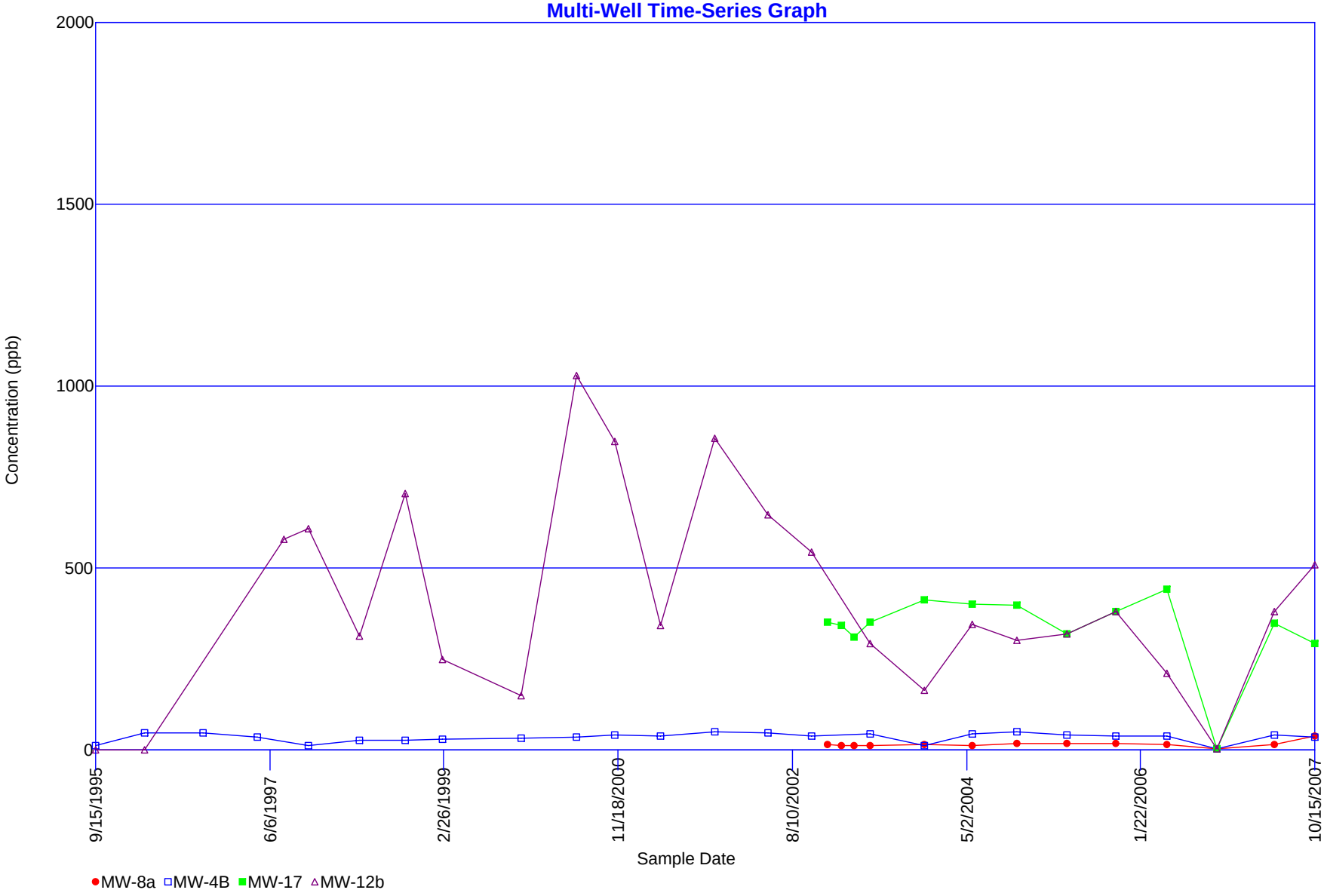
Multi-Well Time-Series Graph




Copper
Multi-Well Time-Series Graph
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-10
MW-8a
MW-17

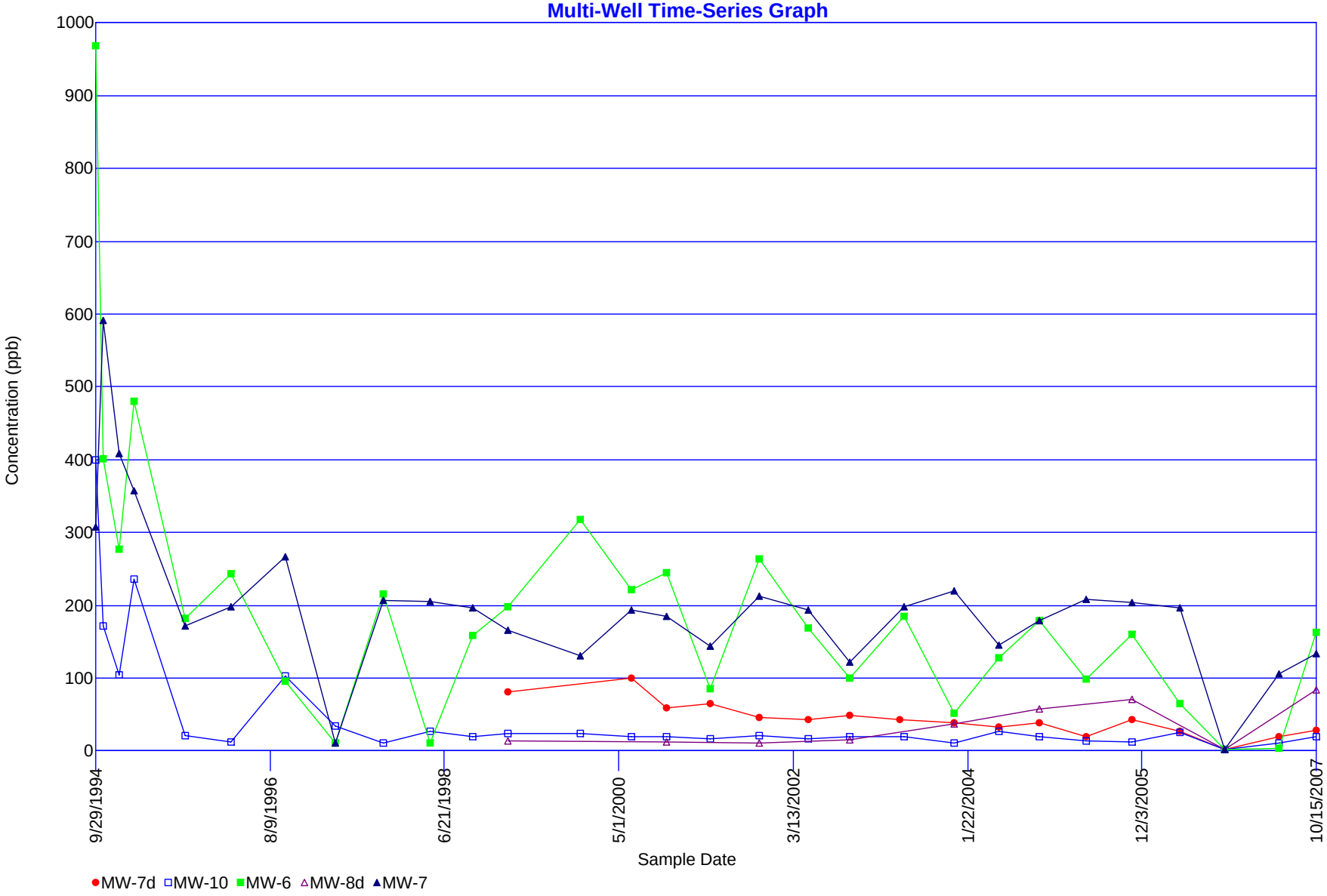
Cobalt

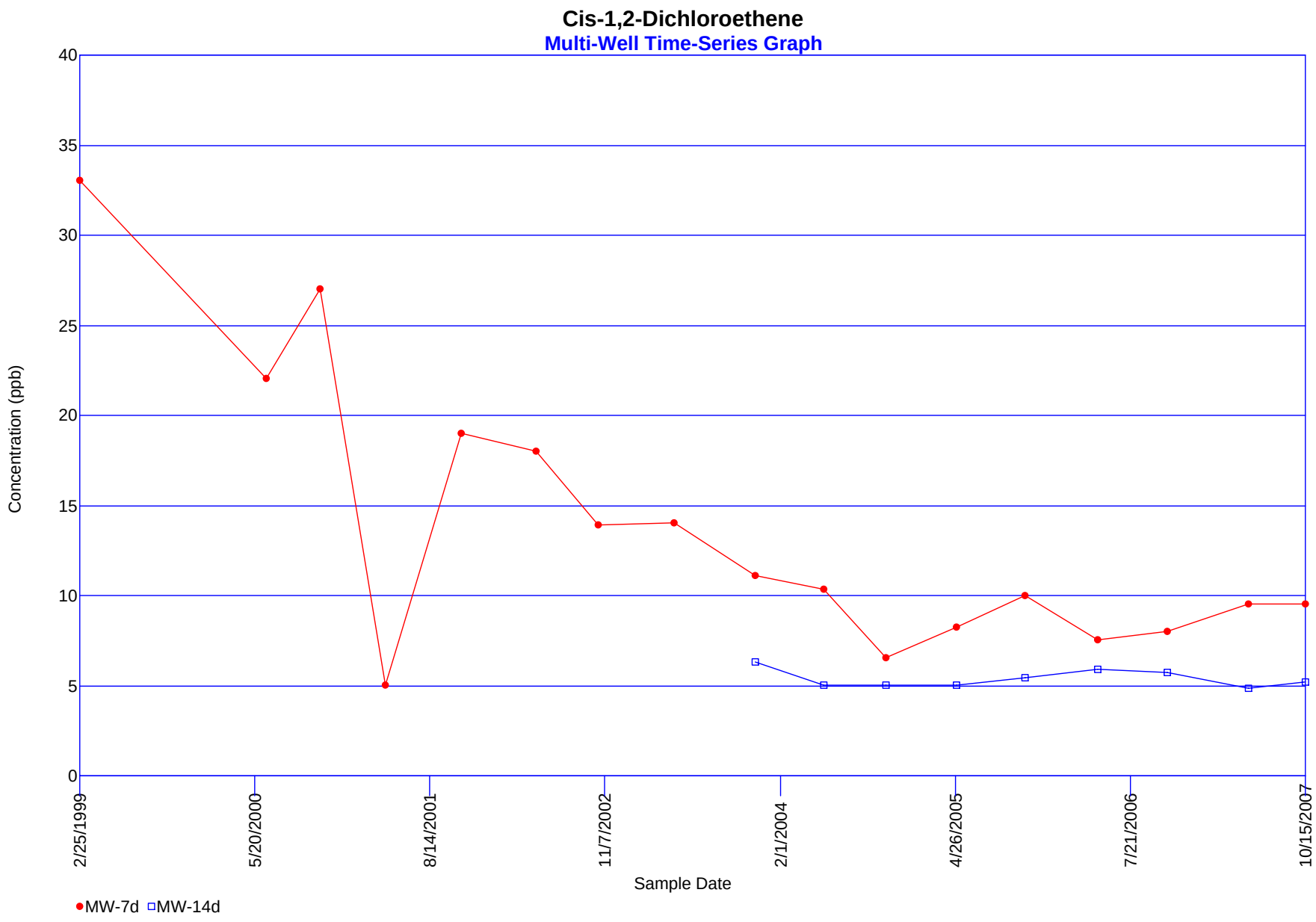
Multi-Well Time-Series Graph

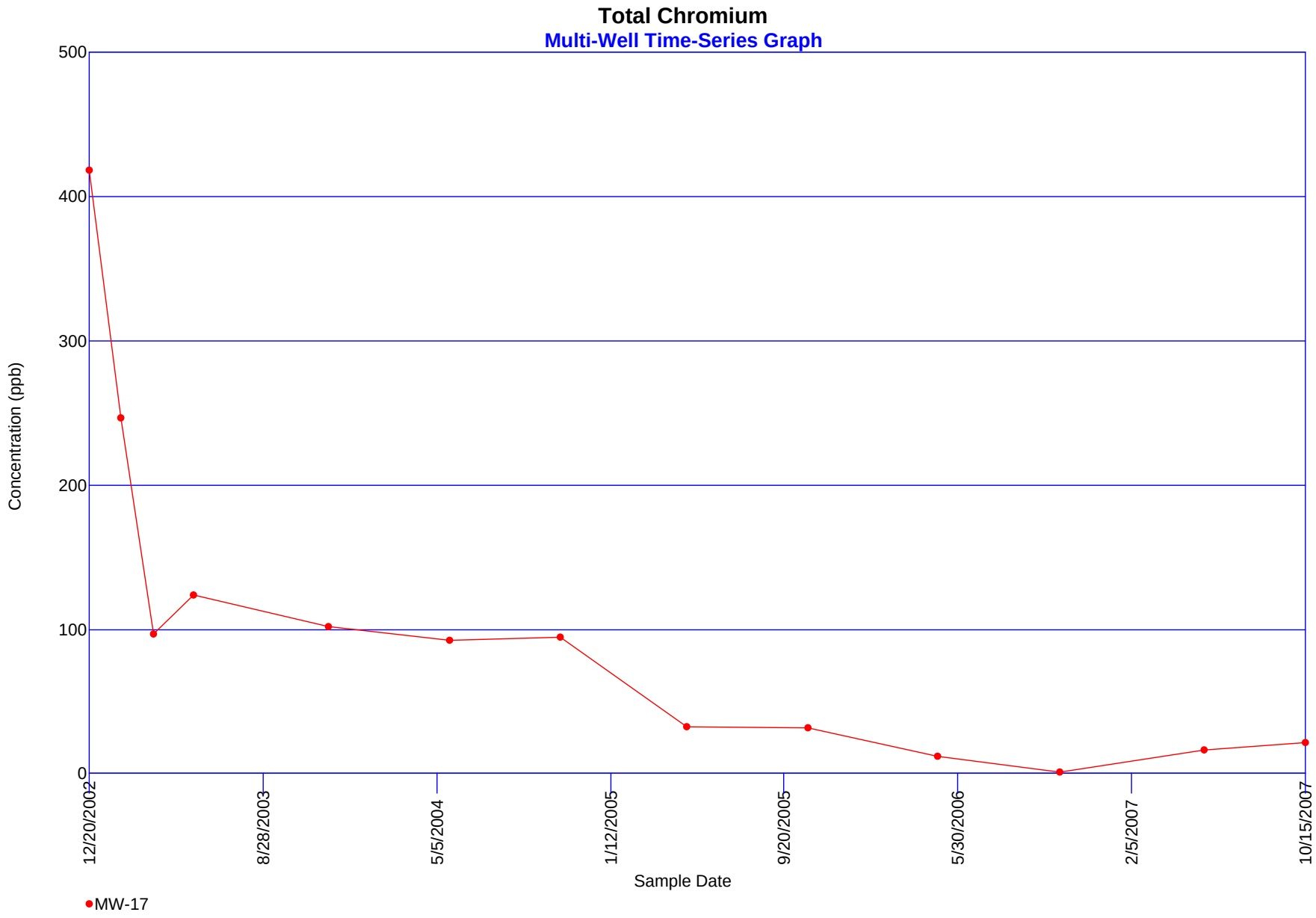


Cobalt

Multi-Well Time-Series Graph

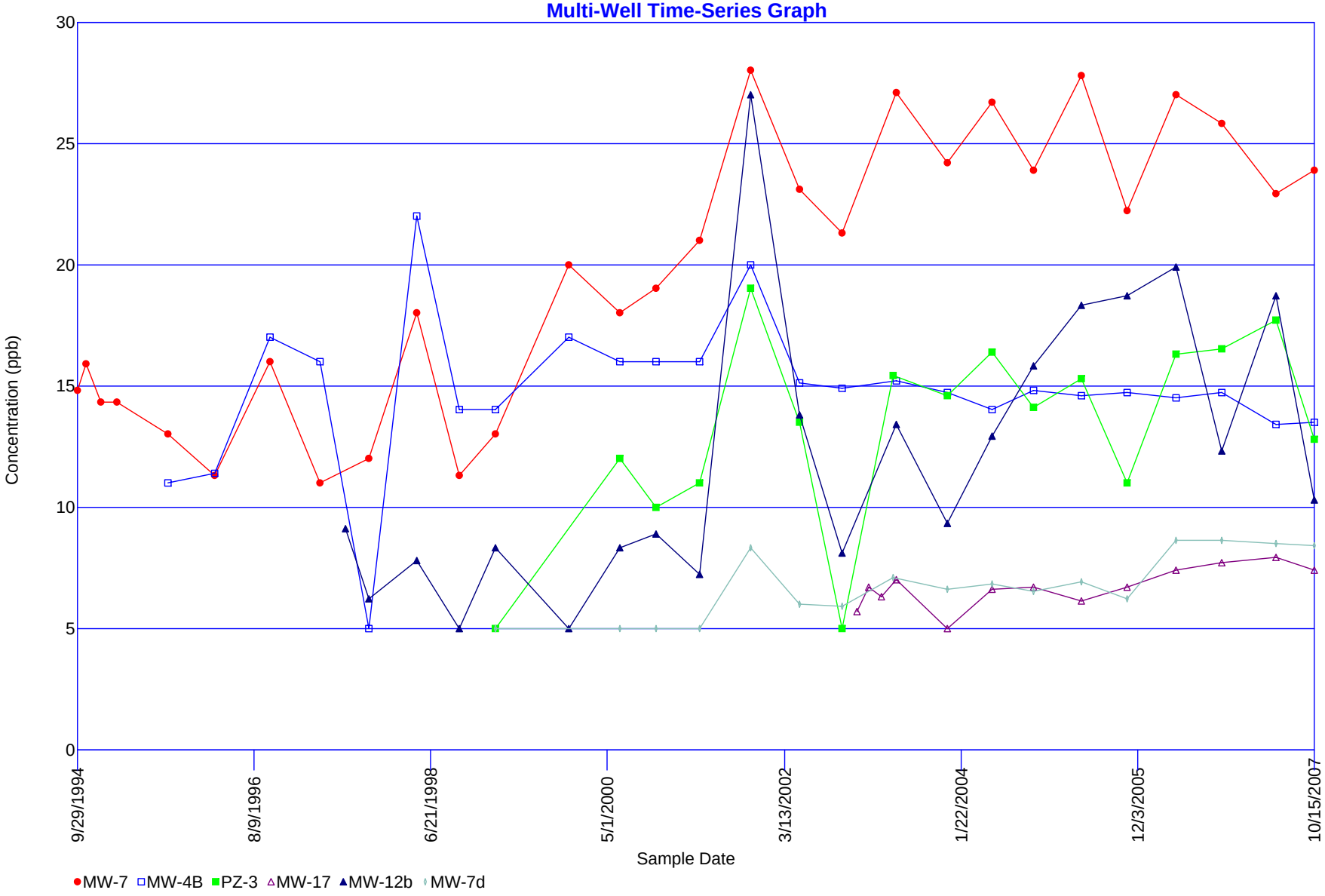


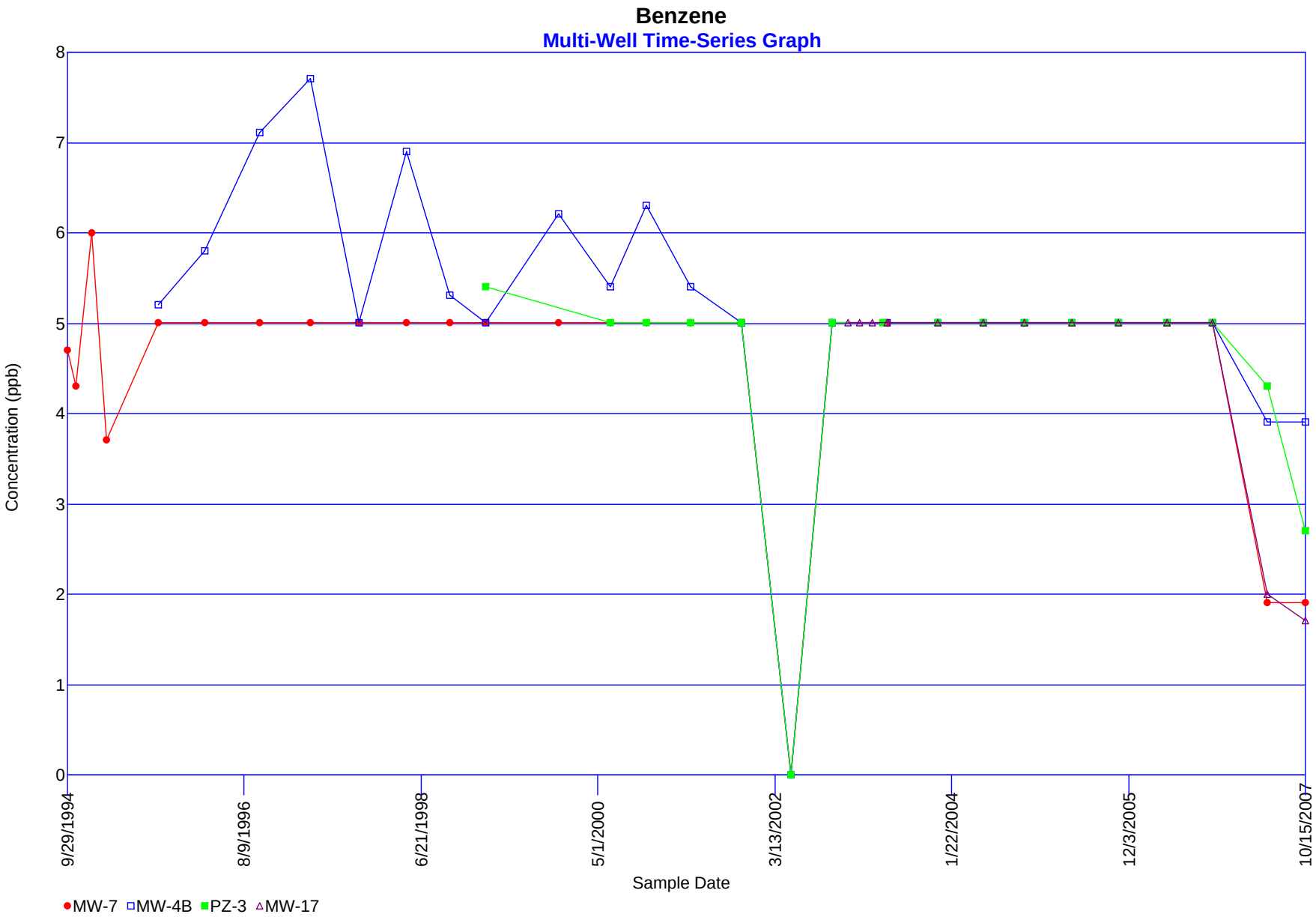

Cis-1,2-Dichloroethene
Multi-Well Time-Series Graph
Concentration (ppb)
40
35
30
25
20
15
10
5
0
2/25/1999
5/20/2000
8/14/2001
11/7/2002
2/1/2004
4/26/2005
7/21/2006
10/15/2007
Sample Date
MW-7d
MW-14d


Total Chromium
Multi-Well Time-Series Graph
500
400
300
200
100
0
Concentration (ppb)
12/20/2002
8/28/2003
5/5/2004
1/12/2005
9/20/2005
5/30/2006
2/5/2007
10/15/2007
Sample Date
MW-17

Chlorobenzene

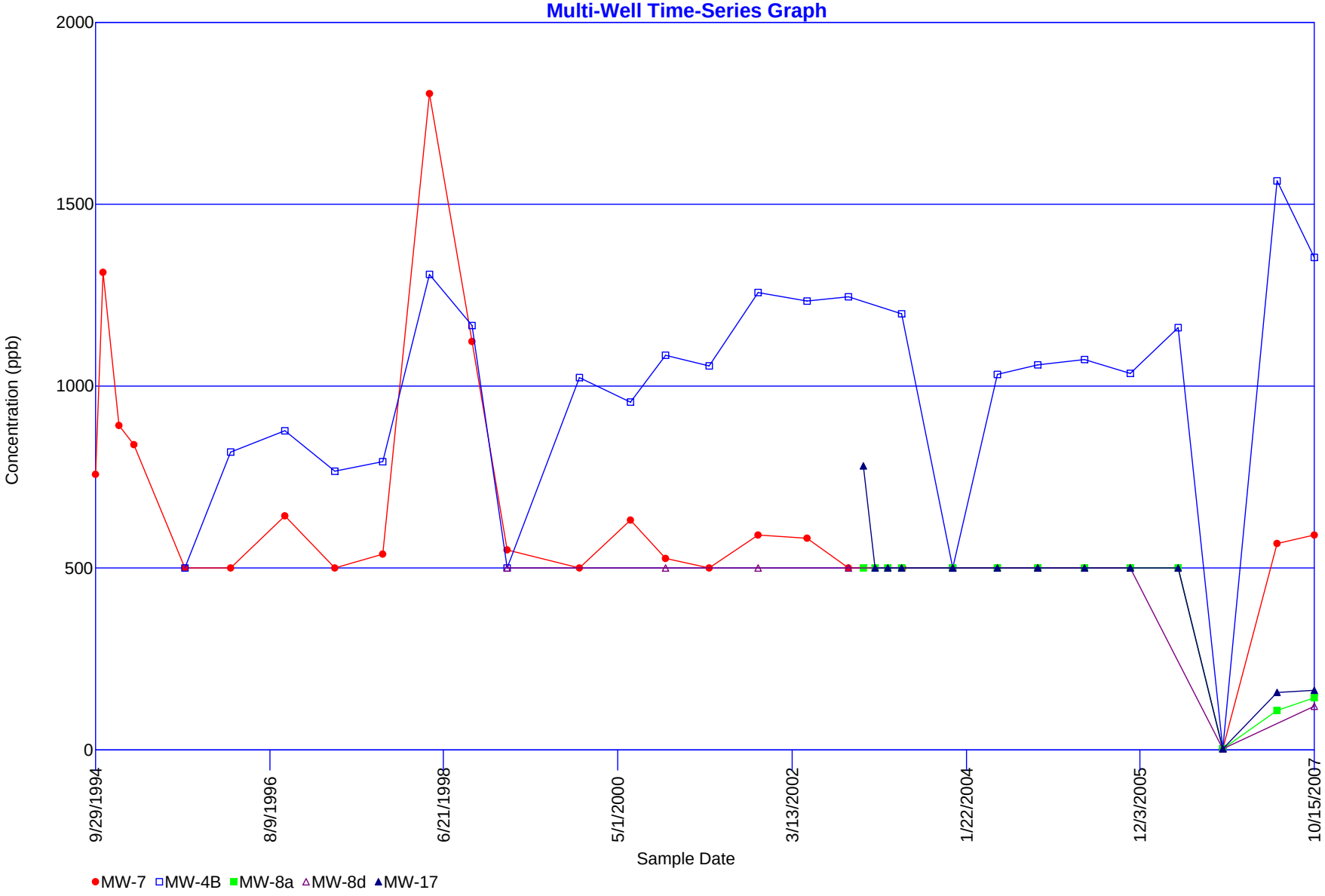
Multi-Well Time-Series Graph

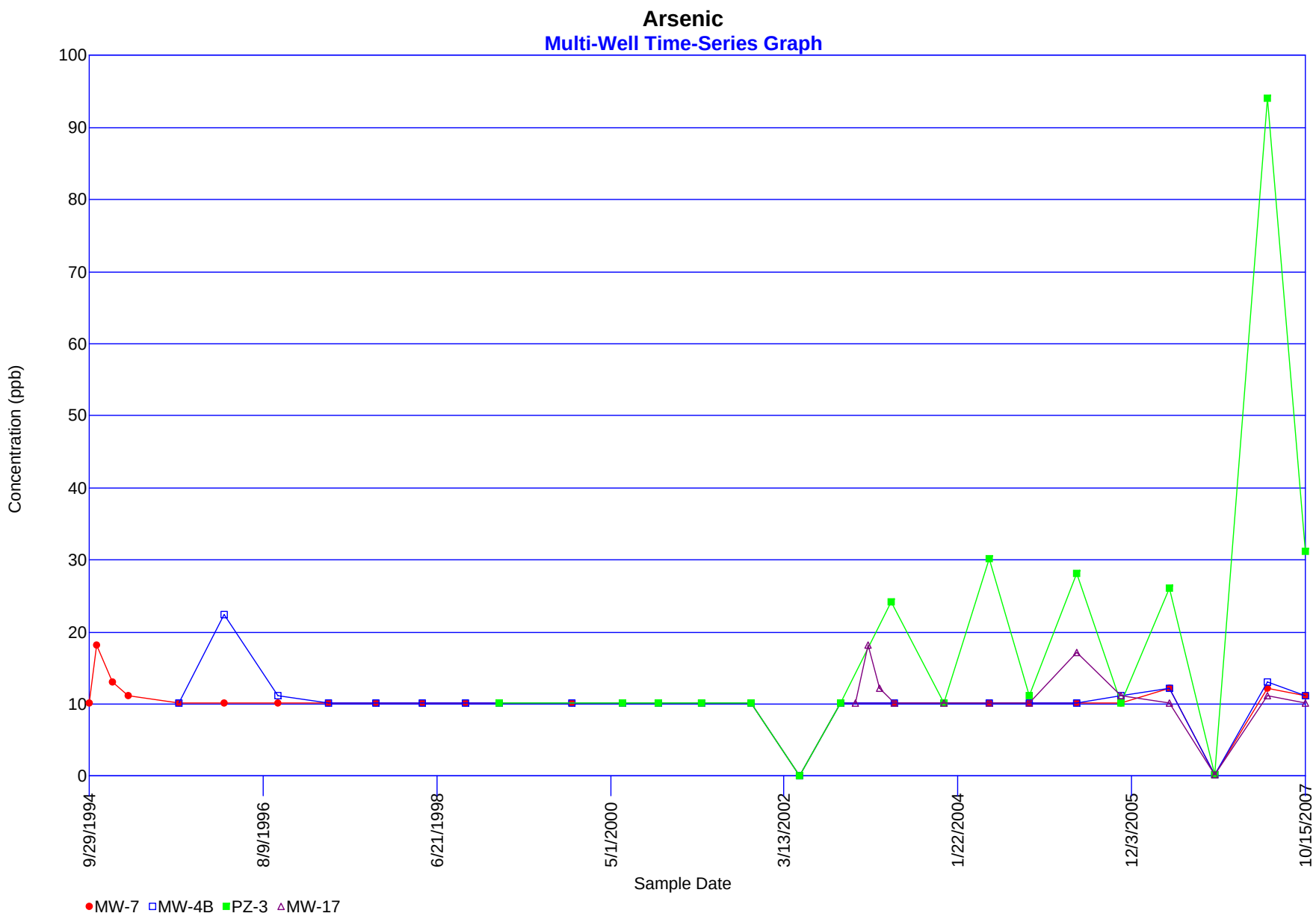


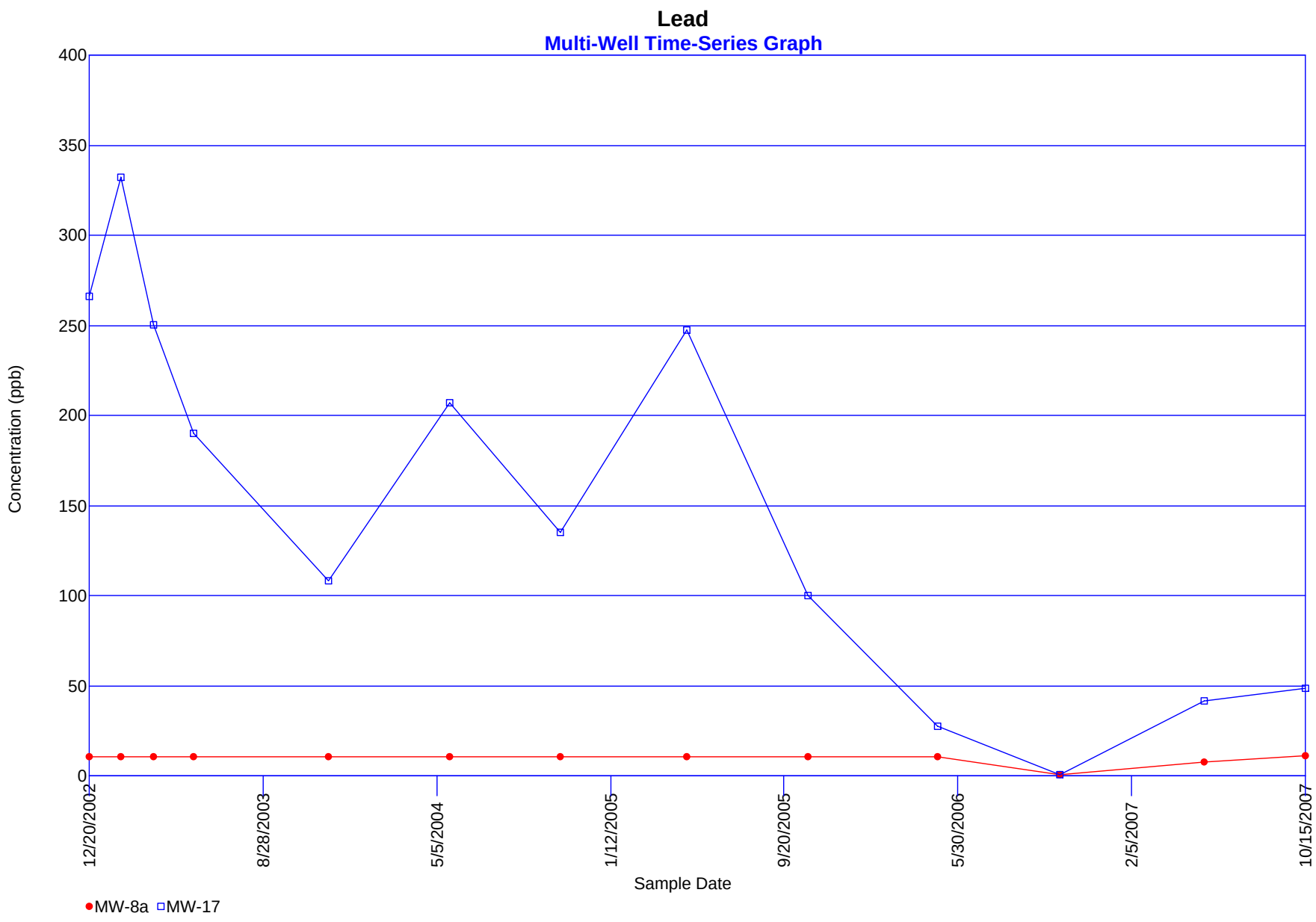

Benzene
Multi-Well Time-Series Graph
Concentration (ppb)
0
1
2
3
4
5
6
7
8
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-7
MW-4B
PZ-3
MW-17

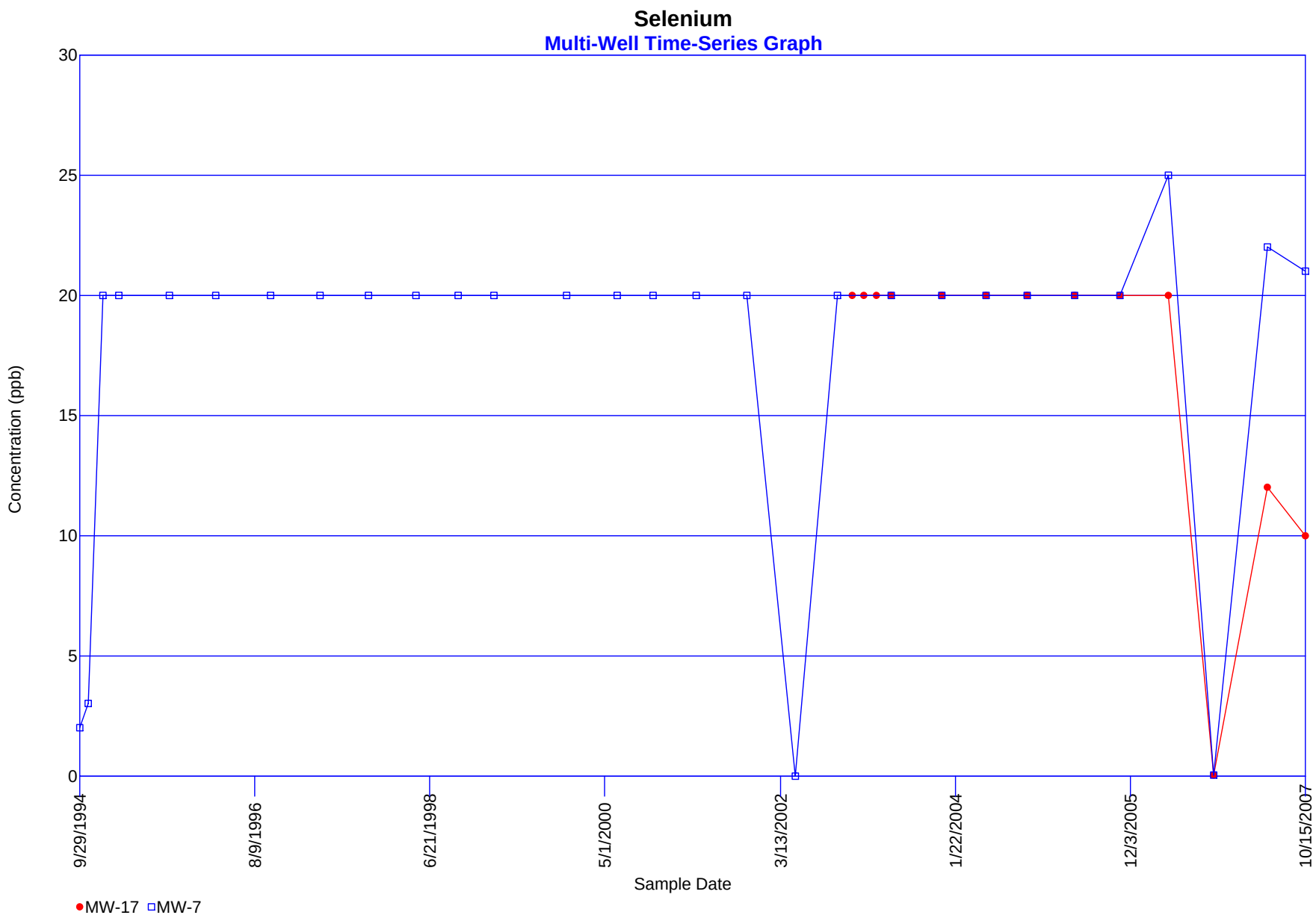
Barium

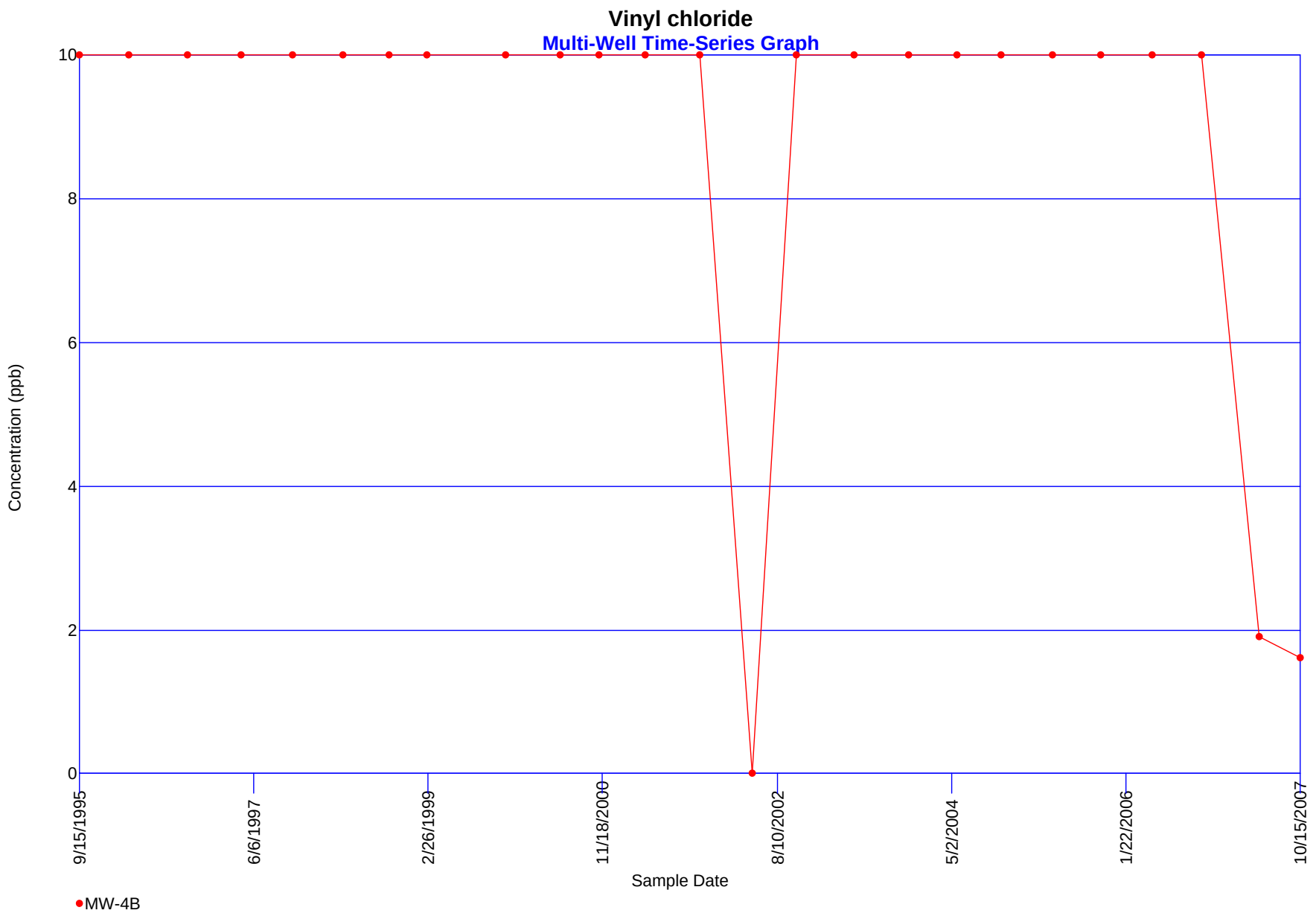
Multi-Well Time-Series Graph

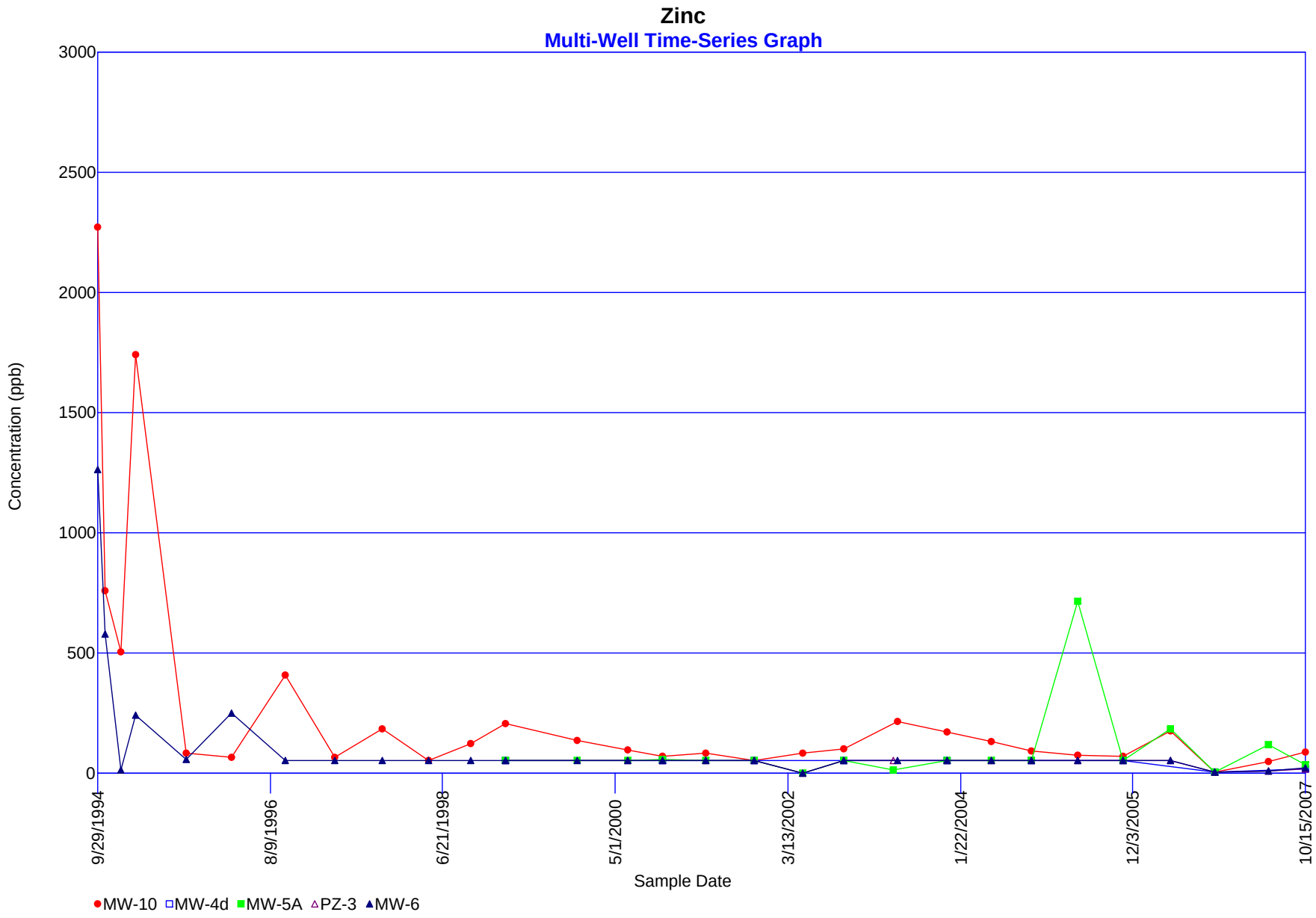


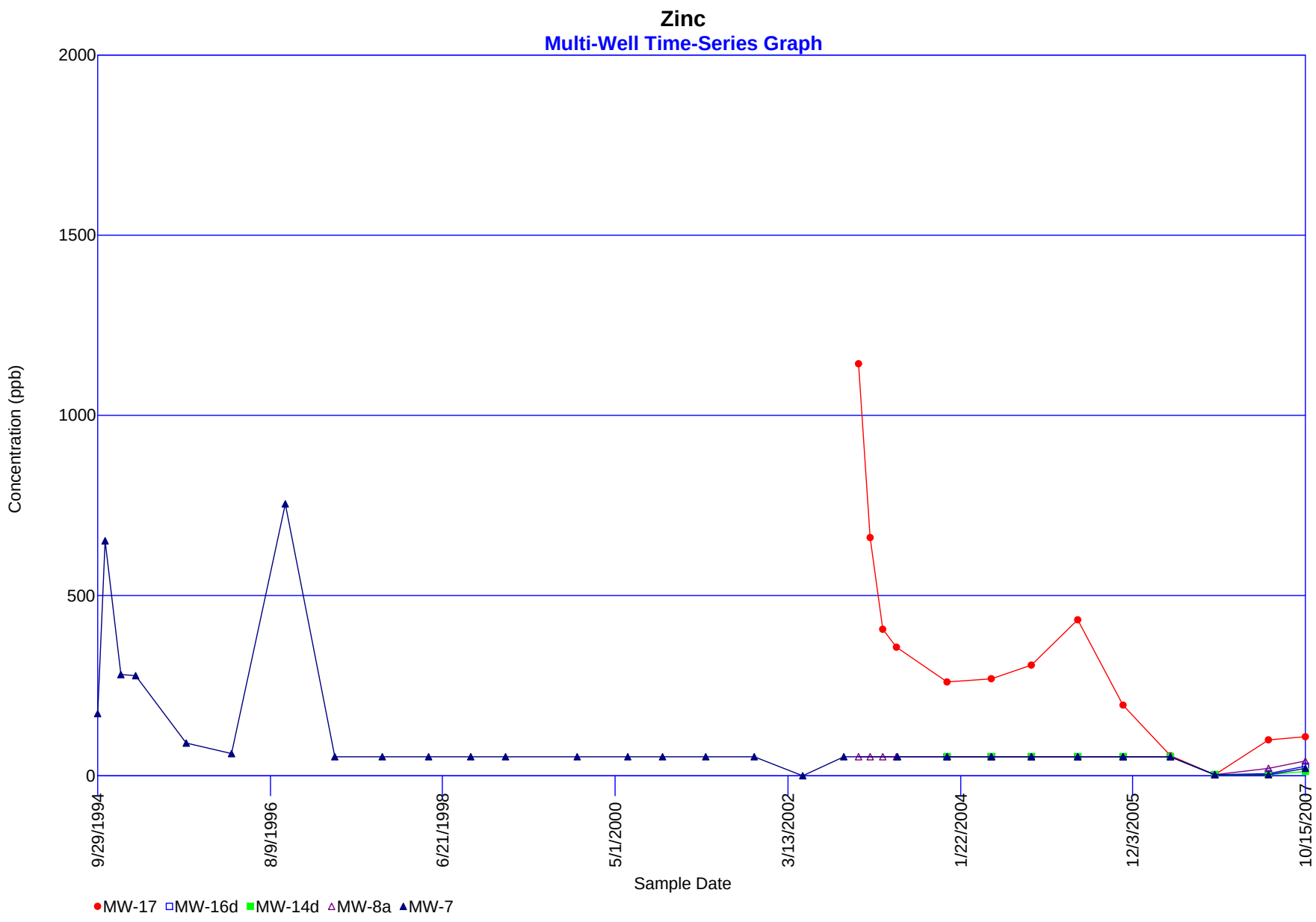

Arsenic
Multi-Well Time-Series Graph
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-7
MW-4B
PZ-3
MW-17


Lead
Multi-Well Time-Series Graph
Concentration (ppb)
400
350
300
250
200
150
100
50
0
12/20/2002
8/28/2003
5/5/2004
1/12/2005
9/20/2005
5/30/2006
2/5/2007
10/15/2007
Sample Date
MW-8a
MW-17


Selenium
Multi-Well Time-Series Graph
Concentration (ppb)
30
25
20
15
10
5
0
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-17
MW-7


Vinyl chloride
Multi-Well Time-Series Graph
Concentration (ppb)
10
8
6
4
2
0
9/15/1995
6/6/1997
2/26/1999
11/18/2000
8/10/2002
5/2/2004
1/22/2006
10/15/2007
Sample Date
MW-4B


Zinc
Multi-Well Time-Series Graph
3000
2500
2000
1500
1000
500
0
Concentration (ppb)
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-10
MW-4d
MW-5A
PZ-3
MW-6


Zinc
Multi-Well Time-Series Graph
2000
1500
1000
500
0
Concentration (ppb)
9/29/1994
8/9/1996
6/21/1998
5/1/2000
3/13/2002
1/22/2004
12/3/2005
10/15/2007
Sample Date
MW-17
MW-16d
MW-14d
MW-8a
MW-7