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Mr. Larry Rose
Solid Waste Section
Division of Waste Management
401 Oberlin Road
Suite 150
Raleigh, North Carolina 27605-1350

Subject: April 2004 Semi-Annual Monitoring Sampling Report
North Wake Unlined Landfill

Dear Mr. Rose:

CDM, on behalf of Wake County, is submitting one copy of the April 2004 semi-annual sampling event report. This letter report presents the results of the semi-annual sampling event that was recently completed at the North Wake Unlined Landfill and constitutes the first semi-annual sampling event for 2004.

The groundwater monitoring network consists of the following wells: MW-11 (shallow background well), MW-11d (deep background well), MW-5, MW-5R, MW-6, MW-6d, MW-7, MW-8, MW-8d, MW-9, MW-10, MW-10d, MW-22, MW-23, MW-23d, MW-24, MW-27, MW-28, MW-28d, MW-29d, MW-30, MW-31, MW-31d, MW-32, MW-33, MW-34, MW-34d, MW-35, TB-1a, and TB-1a deep and surface water sampling locations SW-2 and SW-3. Monitoring wells MW-27, MW-28, MW28d, MW-33, MW-34, MW-34d, and MW-35 are only sampled during the spring event.

MW-5R was installed on January 30, 2004 approximately 50ft. downgradient of MW-5 at the request of the Solid Waste Section. A survey of MW-5R was not completed in time for the April 2004 semi-annual report. Survey data for MW-5R will be provided in the next semi-annual report.

All groundwater samples are analyzed for Appendix I Volatile Organic Compounds (VOC's) and Metals plus the detected Appendix II constituents mercury, bis(2-ethylhexyl)phthalate, and dichlorodifluoromethane. In addition to the Appendix I and detected Appendix II constituents, samples from monitoring wells MW-5, -6, -8, -9, -10, -24, and TB-1a are analyzed

for natural attenuation parameters. Sampling results plus the statistical analysis for all wells and surface water locations are discussed below.

Field Activities

Groundwater and surface water samples from the North Wake Unlined Landfill were collected on April 14, 21, 26, and 28, 2004. Groundwater samples were collected by use of disposable, laboratory decontaminated, Teflon™ bailers.

Groundwater elevations were measured at each well prior to sampling and are presented in Table 1. These groundwater elevations were used to construct potentiometric contours for this sampling event and are presented on Figure 1. The groundwater elevations and potentiometric contours were used to estimate groundwater velocities at each well. Groundwater velocity values are presented in Table 2. After depth to groundwater was determined, three well volumes of water were removed from each well prior to sampling to ensure fresh formation water within the well water column. Each well volume and surface water sample was measured in the field for pH, conductivity, and temperature. The field parameters at the time of sampling are presented in Table 3.

Sampling Results

All groundwater and surface water samples were analyzed by Paradigm Analytical Laboratories in Wilmington, North Carolina for the North Carolina Appendix I constituents plus the detected Appendix II constituents. Select wells (MW-5, -6, -8, -9, -10, -24, and TB-1a) were sampled for the monitored natural attenuation (MNA) parameters chloride, sulfate, sulfide, total organic carbon, ferrous iron, carbon dioxide, and methane in addition to the Appendix I and detected Appendix II constituents. The results of the additional sample analysis are discussed in a separate section.

MW-11 and MW-11d

All analyzed constituents were below detection limits in samples from the background wells (MW-11 and –11d).

MW-5

Compliance well MW-5 had detections of cadmium, cobalt, and toluene. The cobalt detection was above the groundwater protection standard. The detection of toluene exceeded the North Carolina 2L Standards (2L).

MW-5R
Compliance well MW-5R had detections of arsenic, cis-1,2-dichloroethene, 1,4-dichlorobenzene, and 1,1-dichloroethane. The detection of arsenic exceeded the 2L Standard.

MW-6
Compliance well MW-6 had detections of arsenic, cobalt, mercury, and cis-1,2-dichloroethene. The cobalt detection was above the groundwater protection standard.

MW-6d
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-6d.

MW-7
Both the compliance well sample and duplicate from MW-7 had detections of cobalt and cis-1,2-dichloroethene. The duplicate also had a detection of arsenic above the 2L Standard. The cobalt detection was above the groundwater protection standard.

MW-8
MW-8 had detections of chromium and cis-1,2-dichloroethene. Both constituents have been detected at similar concentrations.

MW-8d
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-8d.

MW-9
MW-9 had detections of arsenic, cobalt, benzene, cis-1,2-dichloroethene, 1,4-dichlorobenzene, 1,1-dichloroethane, toluene, ethyl benzene, dichlorodifluoromethane, vinyl chloride, total xylenes, and bis(2-ethylhexyl) phthalate. The quantification of cobalt exceeded the groundwater protection standard. The quantification of arsenic, benzene, and bis(2-ethylhexyl) phthalate exceeded the 2L Standard.

MW-10
Samples from MW-10 had detections of bis(2-ethylhexyl) phthalate above the 2L Standard.

MW-10d
Samples from MW-10d had detections of 1,1-dichloroethane and bis(2-ethylhexyl) phthalate. The quantification of bis(2-ethylhexyl) phthalate exceeded the 2L Standard. No other Appendix I or Appendix II constituents were detected.

MW-22
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-22.

MW-23
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-23.

MW-23 deep
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-23d.

MW-24
MW-24 had detections of 1,1-dichloroethane. No other Appendix I or Appendix II constituents were detected.

MW-27
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-27.

MW-28
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-28.

MW-28d
Samples from MW-28d had detections of bis(2-ethylhexyl) phthalate above the 2L Standard.

MW-29d
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-29d.

MW-30
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-30.

MW-31
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-31, with the exception of chloroform. The detection of chloroform exceeded the 2L Standard. Chloroform has consistently been detected in the MW-31 samples since April 2000.

MW-31d
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-31 deep, with the exception of chloroform. The detection of chloroform exceeded the 2L Standard. Chloroform has been detected in the samples from MW-31 deep since April 2001.

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MW-32
No Appendix I or II VOC's or metals were detected in the samples from MW-32, with the exception of cobalt. The quantification of cobalt exceeded the groundwater protection standard.

TB-1a
Samples from TB-1a had detections of chloroform. The quantification of chloroform exceeded the 2L Standard. Chloroform was also detected in the previous sampling event.

TB-1a deep
Samples from TB-1a deep were below detection limits for all Appendix I and Appendix II VOC, SVOC, and metal constituents, with the exception chloroform. The quantification of chloroform exceeded the 2L Standard.

MW-33
MW-33 had detections of chromium. No other Appendix I or Appendix II constituents were detected.

MW-34
No Appendix I or II VOC's or metals were detected in the samples from MW-34, with the exception of thallium. The quantification of thallium exceeded the groundwater protection standard.

MW-34d
MW-34d had detections of 1,1-dichloroethane. No other Appendix I or Appendix II constituents were detected.

MW-35
No Appendix I or II VOC's, SVOC's or metals were detected in the samples from MW-35.

SW-2 and SW-3
All analytes were below detection limits in the surface water samples SW-2 and SW-3 during this event, with the exception of chromium in SW-3.

All analytes were below detection limits in the trip blank and equipment blank. All detected constituents have been detected during previous events at similar concentrations, except where noted. A complete summary of all detected constituents is presented in Table 4. Laboratory results are included in electronic format following this report.

Statistical Analysis

Statistical analysis was performed for all detected constituents in the groundwater samples. Data from the downgradient compliance wells were compared statistically to data from the background wells using either an ANOVA comparison or the Test of Proportions. The ANOVA comparison was used for all VOC detections. The ANOVA comparison was also used for the metal's comparisons where greater than 50% of the data were above detection limits. While using the ANOVA comparison, in instances where results were below detection limits, a value of one-half of the detection limits was substituted. The Test of Proportions was used only for metal's comparisons where greater than 50% of the data was non-detect.

The Test of Proportions was performed on the detections of cadmium in MW-5; arsenic in MW-5R, MW-6, and MW-9; cobalt in MW-5, MW-6, MW-7, MW-9, and MW-32; chromium in MW-8 and MW-33; mercury in MW-6; and thallium in MW-34. None of these metals were found to be statistically significant by the Test of Proportions.

For all other detections, the ANOVA comparison was performed. Based on the ANOVA comparison, the following constituents were found to be statistically significant: cis-1,2-dichloroethene, 1,4-dichlorobenzene, and 1,1-dichloroethane in MW-5R; mercury and cis-1,2-dichloroethene in MW-6; cis-1,2-dichloroethene in MW-7; cis-1,2-dichloroethene in MW-8; benzene, toluene, 1,1-dichloroethane, 1,4-dichlorobenzene , ethyl benzene, dichlorodifluoromethane, cis-1,2-dichloroethene, and total xylenes in MW-9; 1,1-dichloroethane and bis(2-ethylhexyl) phthalate in MW-10d; 1,1-dichloroethane in MW-24; bis(2-ethylhexyl) phthalate in MW-28d; chloroform in MW-31 and MW-31d; cobalt in MW-32; chromium in MW-33; and 1,1-dichloroethane in MW-34d. Table 5 presents a summary of all parameters detected during the April 2004 sampling event that exceeded the 2L Standard, groundwater protection standard, or were statistically significant.

Natural Attenuation Monitoring

The Groundwater Assessment Report recommended that additional groundwater samples be collected from MW-5, -6, -8, -9, -10, -24, and TB-1a for evaluation of natural attenuation parameters. These parameters included chloride, nitrate, sulfate, sulfide, total organic carbon (TOC), carbon dioxide, ferrous iron, and methane, and field measurements of pH, temperature, conductivity, redox potential, and dissolved oxygen. Results are presented in Table 6. The laboratory data for the additional parameters is included in the electronic format data.

As discussed in Section 4 of the Groundwater Assessment Report (February 2000), based on the concentrations of some of the geochemical data from the select wells, it appeared that environments were present which favored reductive dechlorination; notably, the concentrations of nitrate, ferrous iron, sulfate, and carbon dioxide. The following evidence indicates that one or more mechanisms of natural attenuation and/or reductive dechlorination may be occurring at the site:

- VOC concentrations in contaminated wells continue to decline over a seven-year monitoring period (Figure 2 – MW-24 Total VOC Trends).
- The ratio of parent /daughter compounds continues to decrease over time.
- Nitrate, ferrous iron, sulfate, and carbon dioxide continue to be detected at concentrations favoring reductive dechlorination.
- Concentrations of cis-1,2-DCE continue to be greater than other DCE isomers trans-1,2-DCE and 1,1-DCE (neither trans-1,2-DCE or 1,1-DCE have been detected since 1995).

In addition to favorable conditions for attenuation, the County has also installed a vacuum extraction system around the perimeter of the landfill to prevent offsite migration of landfill gas. Since previous work has indicated a relationship between the landfill gas and the contaminated groundwater, the installation of the gas extraction system should further reduce groundwater contaminant concentrations. The perimeter landfill gas remediation vacuum system was initiated in January 2002. CDM will monitor future sampling results for groundwater data trends in future sampling events.

Recommendations

Because Appendix I and II constituents continue to be detected in groundwater samples at statistically significant concentrations, Wake County will continue with its assessment monitoring program on a semi-annual basis. In addition to the Appendix I and detected Appendix II constituents, samples collected from MW-5, -6, -8, -9, -10, -24, and TB-1a will continue to be analyzed for natural attenuation parameters during the semi-annual events until sufficient data is available for completion of an assessment of corrective measures report. It is likely that the detections of chloroform in MW's –31, 31d, TB-1a, and TB1a deep are attributed to a release from a municipal water line in the Falls River development and are not related to a release from the landfill.

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Groundwater samples from the annually monitored wells (MW-27, -28, -28d, -33, -34, -34d, -35) will not be collected during the next sampling event in the fall.

If you have any questions or require further explanation, do not hesitate to call me at 787-5620.

Very truly yours,

Mathew F. Colone, P.G.
Camp Dresser & McKee

NORTH CAROLINA LICENSED SEAL 1851 GEOLOGIST MATHEW F. COLONE

5/26/04

c: Johnny Beal, WCSWM
Joe Wiseman, CDM

Table 1
Groundwater Elevations
North Wake Unlined Landfill

Monitoring Well Designation	TOC Elevation (AMSL)	4/12/2000 Groundwater Elevation (AMSL)	12/19/2000 Groundwater Elevation (AMSL)	4/18/2001 Groundwater Elevation (AMSL)	7/25/2001 Groundwater Elevation (AMSL)	12/4/2001 Groundwater Elevation (AMSL)	4/9/2002 Groundwater Elevation (AMSL)	11/6/2002 Groundwater Elevation (AMSL)	4/17/2003 Groundwater Elevation (AMSL)	11/4/2003 Groundwater Elevation (AMSL)	4/14/2004 Groundwater Elevation (AMSL)
MW-5	231.79	212.19	210.79	212.35	210.49	210.29	211.79	211.28	213.77	211.74	212.35
MW-5R	NA										NA
MW-6	219.80	208.16	207.60	208.00	207.29	207.45	208.71	207.04	208.38	207.60	207.85
MW-6d	218.61				205.96	206.16	205.61	206.45	206.71	206.13	206.15
MW-7	234.15	222.50	222.45	222.61	222.19	222.41	222.80	223.05	223.30	222.85	222.82
MW-8	226.38	damaged	215.72	215.95	215.48	215.48	215.76	215.63	216.13	215.68	215.85
MW-8d	226.16				214.06	214.06	213.16	214.36	215.03	214.38	214.47
MW-9	242.69	213.57	213.19	213.54	213.01	212.92	213.33	212.93	214.04	213.44	213.46
MW-10 (relocated)	274.76	233.60	233.36	233.32	233.05	232.23	232.31	232.81	235.70	236.02	234.90
MW-10d	274.54				231.17	230.81	230.74	231.22	233.66	234.16	232.51
MW-11	343.63	302.21	301.63	301.26	NM	302.21	299.48	299.96	301.95	303.03	302.16
MW-22	254.62	221.04	220.92	220.62	220.74	220.49	220.56	221.27	222.98	223.06	221.80
MW-23	274.83	232.45	232.43	232.78	232.67	232.02	230.83	231.61	235.61	235.45	234.36
MW-23 deep	274.89	232.08	232.09	232.24	232.26	231.59	231.62	231.87	234.74	234.82	233.78
MW-24	266.64	223.99	223.54	223.57	223.44	222.93	223.14	223.05	225.38	225.46	224.92
MW-27	215.54	210.92	NS	210.48	209.82	NS	209.52	NS	211.03	NS	210.49
MW-28	237.89	219.85	NS	219.90	219.74	NS	219.89	NS	222.64	NS	221.27
MW-28d	238.44	211.48	NS	210.84	212.09	NS	212.34	NS	223.09	NS	221.79
MW-29d	275.06	235.87	236.36	236.02	236.23	235.76	234.56	235.94	238.20	238.96	237.97
MW-30	282.32	234.31	234.62	234.47	234.64	234.14	233.96	234.30	236.87	237.53	236.22
MW-31	261.67	233.47	233.47	234.34	234.01	233.32	234.02	234.67	238.49	237.81	237.20
MW-31d	260.92	233.05	233.12	233.77	233.62	232.86	233.61	234.17	237.82	237.53	236.86
MW-32	242.99	228.04	227.59	228.89	227.10	226.76	228.74	228.96	229.94	228.08	228.35
TB-1a	255.05	230.05	229.25	230.16	229.45	228.97	230.05	230.03	233.17	232.37	232.45
TB-1a deep	256.01				228.23	226.86	227.76	228.73	231.49	230.83	230.69
MW-33	222.01	211.19	NS	211.26	209.34	NS	211.21	NS	212.48	NS	210.91
MW-34	221.96	209.31	NS	209.85	207.15	NS	208.41	NS	212.14	NS	208.85
MW-34d	222.16	209.06	NS	209.54	207.11	NS	209.06	NS	211.68	NS	208.65
MW-35	223.48	207.44	NS	207.93	205.62	NS	206.68	NS	210.18	NS	208.78

(1) AMSL = Above Mean Sea Level
(2) NS = Well not sampled
(3) NM = Well not measured
(4) NA = Well not available
(5) MW-5R installed on January 30, 2004.

Table 2
Summary of Calculated Groundwater Flow Velocities
North Wake Unlined Landfill

Monitoring Well Designation	Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	12/19/2000 Gradient	12/19/2000 Average Linear Velocity ft/day	4/18/2001 Gradient	4/18/2001 Average Linear Velocity ft/day	12/4/2001 Gradient	12/4/2001 Average Linear Velocity ft/day	4/9/2002 Gradient	4/9/2002 Average Linear Velocity ft/day	11/6/2002 Gradient	11/6/2002 Average Linear Velocity ft/day	4/17/2003 Gradient	4/17/2003 Average Linear Velocity ft/day	11/4/2003 Gradient	11/4/2003 Average Linear Velocity ft/day	4/14/2004 Gradient	4/14/2004 Average Linear Velocity ft/day
MW-5	0.33	0.18	0.0099	1.81E-02	0.0294	5.39E-02	0.0058	1.06E-02	0.0358	6.56E-02	0.0256	4.69E-02	0.0246	4.51E-02	0.0652	1.20E-01	0.0530	9.72E-02
MW-6	1.16E-04	0.13	0.0960	7.81E+00	0.0800	6.51E+00	0.1020	8.30E+00	0.0516	4.20E+00	0.1184	9.64E+00	0.0648	5.27E+00	0.0960	7.81E+00	0.0860	7.00E+00
MW-7	10.58	0.18	0.0490	3.13E-01	0.0522	3.34E-01	0.0482	3.08E-01	0.0560	3.58E-01	0.0610	3.90E-01	0.0660	4.22E-01	0.0570	3.64E-01	0.0564	3.60E-01
MW-8	3.73E-03	0.18	0.0132	2.64E-01	0.0125	2.50E-01	0.0139	2.79E-01	0.0130	2.62E-01	0.0134	2.70E-01	0.0119	2.39E-01	0.0133	2.67E-01	0.0128	2.56E-01
MW-9	1.15	0.30	0.0603	2.45E-01	0.0487	1.98E-01	0.0693	2.82E-01	0.0557	2.26E-01	0.0690	2.81E-01	0.0320	1.30E-01	0.0520	2.11E-01	0.0513	2.09E-01
MW-10	4.06E-04	0.05	0.0840	8.55E-01	0.0830	8.45E-01	0.0557	5.68E-01	0.0578	5.88E-01	0.0703	7.15E-01	0.0175	1.78E-01	0.0255	2.60E-01	0.0025	2.54E-02
MW-11	3.61	0.13	0.0454	1.98E+00	0.0458	2.00E+00	0.0390	1.70E+00	0.0342	1.49E+00	0.0463	2.01E+00	0.0293	1.28E+00	0.0394	1.72E+00	0.0327	1.42E+00
MW-22	1.27E-03	0.18	0.0108	4.21E-03	0.0073	2.84E-03	0.0058	2.24E-03	0.0066	2.56E-03	0.0149	5.81E-03	0.0351	1.36E-02	0.0360	1.40E-02	0.0212	8.24E-03
MW-23	1.22	0.30	0.0338	4.05E-01	0.0463	5.54E-01	0.0337	4.03E-01	0.0138	1.66E-01	0.0268	3.21E-01	0.0102	1.22E-01	0.0075	8.97E-02	0.0107	1.28E-01
MW-24	4.30E-04	0.30	0.0197	2.23E-02	0.0198	2.25E-02	0.0163	1.84E-02	0.0174	1.98E-02	0.0169	1.92E-02	0.0021	2.39E-03	0.0026	2.90E-03	0.0004	5.04E-04
	0.509																	
	1.80E-04																	
	5.66																	
	2.00E-03																	
	0.07																	
	2.47E-05																	
	3.59																	
	1.27E-03																	
	0.34																	
	1.20E-04																	

NS - Not Sampled
NC - Not Constructed

Table 3
Field Parameters
North Wake Unlined Landfill

Sampling Date:	12/19/2000			4/18/2001			12/4/2001			4/9/2002			11/6/2002			4/17/2003			11/4/2003			4/14/2004		
Monitoring Well Designation	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)
MW-11	5.69	78	15.6	6.80	57	15.0	5.48	70	17.1	6.19	60	16.2	6.14	73	15.6	6.36	54	17.3	6.47	55	17.4	5.31	56	16.5
MW-5	5.40	203	16.0	5.20	210	17.2	5.68	125	16.7	5.54	190	16.9	5.72	181	17.4	6.08	402	16.7	5.60	3390	20.3	6.30	1710	16.7
MW-5R																						6.02	462	15.7
MW-6	5.54	92	16.1	5.05	73	15.5	5.88	68	17.2	5.47	79	15.6	5.58	98	19.2	5.79	209	16.3	4.80	495	19.1	5.76	567	14.1
MW-6d							6.59	105	16.2	6.87	105	17.3	6.59	101	16.7	6.22	103	17.9	5.87	138	17.2	6.15	91	17.2
MW-7	5.26	194	16.0	6.36	222	14.5	5.72	145	16.6	5.90	228	15.4	6.14	222	18.6	5.85	384	14.8	5.50	464	18.4	5.91	292	15.4
MW-8	5.42	100	16.4	5.61	76	16.0	6.40	81	16.8	6.00	76	16.2	6.05	82	18.7	6.30	76	16.6	5.15	105	18.4	5.86	96	14.9
MW-8d							7.58	183	16.2	7.16	163	17.0	6.95	235	16.4	6.63	144	17.8	5.88	151	16.8	6.40	130	17.1
MW-9	4.79	513	15.7	5.79	415	17.3	6.41	483	16.1	6.11	517	17.3	6.16	521	16.6	6.39	593	18.6	5.76	891	17.2	6.33	644	16.5
MW-10 (relocated)	5.27	166	15.1	5.24	126	15.7	5.88	115	15.4	5.58	122	16.7	5.54	158	16.1	5.11	110	17.5	4.90	116	17.0	5.83	107	15.8
MW-10d							6.42	211	15.4	5.75	195	16.4	6.79	223	15.4	6.23	208	16.7	5.64	185	17.2	5.40	168	17.4
MW-22	5.40	127	13.8	5.49	120	15.7	6.23	116	15.4	5.75	124	17.0	6.31	111	15.6	5.94	90	16.4	5.45	144	16.3	4.93	96	17.0
MW-23	6.32	99	14.5	5.46	98	16.2	5.98	100	16.2	4.97	83	16.3	6.05	81	16.3	5.64	80	17.4	5.09	112	16.4	4.13	70	16.3
MW-23 deep	5.70	99	14.4	5.87	94	15.8	6.51	94	15.2	5.65	96	15.9	6.58	98	15.8	6.21	88	16.7	5.62	148	16.6	4.97	91	16.2
MW-24	5.61	178	14.7	5.20	131	17.1	5.83	153	15.2	5.59	153	16.9	5.76	147	16.0	5.79	117	17.7	4.92	122	16.9	6.29	90	15.9
MW-27	NS	NS	NS	6.50	180	13.5	NS	NS	NS	6.25	149	14.2	NS	NS	NS	6.02	111	16.5	NS	NS	NS	5.51	149	16.4
MW-28	NS	NS	NS	5.92	132	16.0	NS	NS	NS	6.05	135	16.3	NS	NS	NS	6.12	144	17.4	NS	NS	NS	5.26	117	17.3
MW-28d	NS	NS	NS	6.90	231	16.1	NS	NS	NS	6.78	212	16.0	NS	NS	NS	6.76	155	17.3	NS	NS	NS	6.16	180	17.5
MW-29d	5.70	111	14.8	5.51	101	15.5	5.94	99	15.9	5.87	100	16.4	6.33	103	15.9	5.58	115	15.5	5.44	148	16.8	5.22	95	16.7
MW-30	5.80	99	13.9	5.79	86	15.0	6.24	86	15.2	6.09	84	16.0	6.61	84	15.4	6.23	88	16.1	5.58	133	16.8	6.08	84	14.9
MW-31	5.57	107	15.2	5.30	105	16.6	5.84	132	16.9	5.97	155	18.1	6.15	169	17.6	5.68	175	17.8	5.38	252	18.8	6.01	134	18.7
MW-31d	6.00	107	14.0	6.06	95	15.5	6.43	109	16.6	6.42	112	16.8	6.61	121	16.6	6.38	131	16.1	5.91	216	18.0	6.42	146	17.7
MW-32	5.57	225	16.3	5.72	239	14.9	6.11	147	17.2	5.97	164	15.8	6.30	140	17.9	5.56	147	13.8	5.39	166	17.4	6.06	113	14.1
TB-1a	5.52	212	14.7	5.63	171	15.7	6.01	143	15.3	5.70	151	16.6	5.83	164	15.8	5.82	176	16.1	5.04	178	16.2	5.36	122	15.9
TB-1a deep							6.46	92	16.0	6.46	90	16.1	6.62	98	15.7	5.23	107	15.1	5.55	127	15.9	6.17	113	16.0
MW-33	NS	NS	NS	5.74	64	14.1	NS	NS	NS	6.59	76	14.9	NS	NS	NS	5.94	86	15.0	NS	NS	NS	5.78	81	14.4
MW-34	NS	NS	NS	5.89	71	13.0	NS	NS	NS	5.38	68	14.7	NS	NS	NS	5.01	83	13.8	NS	NS	NS	5.13	75	14.8
MW-34d	NS	NS	NS	6.76	93	13.9	NS	NS	NS	6.07	116	15.5	NS	NS	NS	5.36	114	15.1	NS	NS	NS	5.92	173	15.3
MW-35	NS	NS	NS	4.95	28	14.4	NS	NS	NS	5.41	28	15.0	NS	NS	NS	5.29	26	14.5	NS	NS	NS	5.46	24	16.8

MW-6d, -8d, -10d, and TB-1a deep installed in June 2001
MW-5R installed on January 30, 2004.
NS = Not sampled.
NA = Data Not Available

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		**10**	**2000**	**2***	**5**	**50**	**2***	**1000**	**15**	**100**	**50**	**18**	**2***	**25***	**2100**	**1.1**
MW-1	15-Apr-94	<3	221	<5	<0.5	<20	23	54	14	<20	<3	<1		50	88	
MW-1	11-May-94	<3	146	<5	<0.5	<20	19	55	14	<20	<3	<1		50	83	
MW-1	10-Jun-94	<3	191	<5	<0.5	<20	27	111	7.6	20	<3	<1		90	114	
MW-1	3-Oct-94	<3	143	<5	<0.5	16	26	74	8	<20	<3	<1		60	85	
MW-1	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10		<40	<50	<.5
MW-1	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	<.5
MW-11 **	31-Oct-95	11	842	8	<1	24	71	331	26	87	<20	<10	<10	117	314	<1
MW-11	22-Mar-96	<10	<500	<2	<1	<10	15	<200	<10	<50	<20	<10	<10	51	70	1.8
MW-11	29-Nov-96	35	<10	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-11	22-Apr-97	<10	<20	<5	<0.5	<20	<10	<10	<2	<20	<3	<1	<10	<20	130	<.2
MW-11	31-Oct-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	66	<.2
MW-11	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	8-Dec-98	<10	<500	<2	2.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	5-Apr-00	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	18-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	27-Nov-01	<10	311	<10	<10	<10	<10	16.5	<10	<40	<10	<10	<10	<50	29.7	<.3
MW-11	5-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	15-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11d	31-Oct-95	<10	<500	<2	2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-11d	22-Mar-96	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	29-Nov-96	<5	26	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-11d	22-Apr-97	<10	<500	<5	<1	<20	<10	<10	<2	<20	<3	<1	<10	<20	54	<.2
MW-11d	31-Oct-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	26	<.2
MW-11d	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	69	<.2
MW-11d	8-Dec-98	<10	<500	<2	1.9	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	5-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	18-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11d	27-Nov-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-11d	5-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-11d	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11d	15-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11d	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		**10**	**2000**	**2***	**5**	**50**	**2***	**1000**	**15**	**100**	**50**	**18**	**2***	**25***	**2100**	**1.1**
MW-5	6-Mar-94	<5	76	<5	<5	<10	<10	<20	<5	<10	<5	<10	<10	<10	110	
MW-5	15-Apr-94	<3	60	<50	0.9	<20	<10	<10	<2	<20	<3	62	<10	<20	47	
MW-5	11-May-94	<3	58	<5	0.5	<20	<10	11	<2	<20	<3	<1	<10	<20	28	
MW-5	31-May-94	<5	66	<5	<5	<10	11	<20	<5	17	<5	<10	<10	<10	63	
MW-5	10-Jun-94	<3	54	<5	<.5	<20	<10	<10	2.5	<20	<3	<1	<10	<20	20	
MW-5	30-Sep-94	<3	48	<5	<.5	<20	<20	<10	<2	<20	<3	7.3	<10	<20	10	
MW-5	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-5	31-Oct-95	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-5 (dup)	31-Oct-95	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-5	30-Jan-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	237	<.5
MW-5	29-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	6-Aug-98	<10	<500	2.2	4.9	32	24	<200	<10	<50	<20	<10	<10	68	190	<0.2
MW-5	8-Dec-98	<10	<500	<2	1.5	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	16-Apr-99	<10	<500	<2	1.5	<10	28.3	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	2-Dec-99	<10	<500	<2	1	<10	49.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	11-Apr-00	<10	<500	<2	<1	<10	34.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	20-Dec-00	<10	<500	<2	<1	<10	26.9	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	16-Apr-01	<10	<500	<2	<1	<10	32.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-5	3-Dec-01	<10	<100	<10	<10	<10	19.3	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-5	12-Apr-02	<10	<500	<2	<1	<10	34.9	<200	<10	<50	<20	<10	<10	<40	70.5	<.3
MW-5	5-Nov-02	<10	<500	<2	<1	<10	37.7	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-5	17-Apr-03	<10	<500	<2	<1	<10	55.1	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5	4-Nov-03	<10	533	<2	3.06	<10	113	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5 (dup)	4-Nov-03	<10	590	<2	3.48	<10	123	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5	14-Apr-04	<10	<500	<2	1.52	<10	55.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5R	21-Apr-04	12.4	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6	6-Mar-94	<5	190	<5	<5	32	10	33	18	33	<5	<10	<10	63	51	
MW-6	15-Apr-94	<3	144	<5	<.5	20	12	20	11	<20	<3	7.3	<10	50	27	
MW-6	11-May-94	<3	175	<5	<.5	30	13	33	9.3	<20	<3	7.3	<10	70	35	
MW-6	1-Jun-94	<5	260	5.4	<.5	49	16	28	14	13	<5	<10	<10	100	72	
MW-6	25-Aug-94	<3	68	<5	<.5	<20	<20	<10	<2	<20	<3	7.3	<10	<20	<10	
MW-6	29-Sep-94	<3	110	<5	<.5	19	<20	19	6.9	<20	<3	7.3	<10	40	16	
MW-6	13-Jun-95	<10	<500	2	<1	22	<10	<200	<10	<50	<20	<10	<10	41	<50	2.6
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	0.5
MW-6	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	2.5
MW-6	30-Jan-96	<10	<500	7	<1	44	12	<200	13	<50	<20	<10	<10	65	61	1.8
MW-6	29-Nov-96	<5	150	2	<1	20	6	21	6	<50	<5	<5	<10	52	40	0.83
MW-6	22-Apr-97	<5	<5	<.3	<1	12	<5	<5	<5	<5	<10	<5	<10	<5	67	1.1
MW-6	2-Nov-98	<10	<500	<2	<1	14	<10	<200	<10	<50	<20	<10	<10	<40	28	0.54
MW-6	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.65
MW-6 (dup)	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<0.2
MW-6	8-Dec-98	<10	<500	<2	1.4	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.81
MW-6	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.7
MW-6	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.9
MW-6	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.1
MW-6	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.8
MW-6	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.9
MW-6	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	0.6
MW-6	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.9
MW-6	17-Apr-03	<10	<500	<2	<1	<10	14.4	<200	<10	<50	<20	<10	<10	<40	<50	0.7
MW-6	4-Nov-03	<10	<500	<2	<1	<10	30.1	<200	<10	<50	<20	<10	<10	<40	<50	0.464
MW-6	14-Apr-04	20.6	<500	<2	<1	<10	48.1	<200	<10	<50	<20	<10	<10	<40	<50	0.283
MW-6d	8-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-6d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-6d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6d	7-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6d	21-Apr-04	<10	<500	<2	<1	17.3	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-7	6-Mar-94	<5	190	<5	<5	48	17	110	22	21	<5	<10	<10	67	82	
MW-7	15-Apr-94	<3	136	<5	<.5	30	11	53	25	20	<3	<1	<10	40	56	
MW-7	11-May-94	<3	51	<5	<.5	30	11	24	6.8	<20	<3	<1	<10	40	29	
MW-7	31-May-94	<5	350	5.4	<.5	89	30	180	34	40	<5	<10	<10	140	150	
MW-7	25-Aug-94	<3	44	<5	<.5	<20	<20	25	2.7	<20	<3	<1	<10	<20	19	
MW-7	29-Sep-94	<3	49	<5	<.5	15	<20	26	4.7	<20	<3	<1	<10	20	20	
MW-7	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-7	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-7	30-Jan-96	<10	<500	2	<1	35	<10	<200	10	<50	<20	<1	<10	<40	<50	<.5
MW-7	29-Nov-96	<5	17	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-7	21-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	0.38
MW-7 (dup)	21-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	0.22
MW-7	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	48	0.58
MW-7	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.24
MW-7	8-Dec-98	<10	<500	<2	2.6	15	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.25
MW-7	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-7	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7 (dup)	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-7 (dup)	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-7	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-7	9-Apr-02	<10	<500	<2	<1	<10	10.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	16-Apr-03	<10	<500	<2	<1	<10	20.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7	5-Nov-03	<10	<500	<2	<1	<10	19.2	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7	21-Apr-04	<10	<500	<2	<1	<10	29.5	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7 (dup)	21-Apr-04	12.1	<500	<2	<1	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	6-Mar-94	<5	120	<5	<5	17	<10	26	<5	13	<5	<10	<10	35	49	
MW-8	15-Apr-94	<3	97	<5	<.5	<20	<10	22	4.2	20	<3	<1	<10	30	35	
MW-8	11-May-94	<3	89	<5	<.5	<20	<10	20	4.3	<20	<3	<1	<10	20	26	
MW-8	31-May-94	<5	330	5.4	<5	81	34	90	16	39	<5	<10	<10	150	150	
MW-8	25-Aug-94	<3	76	<5	<.5	<20	<10	13	2.7	<20	<3	<1	<10	<20	21	
MW-8	30-Sep-94	<3	82	<5	<.5	20	<10	14	5.4	<20	<3	<1	<10	20	19	
MW-8	13-Jun-95	<10	<500	<2	<1	38	11	<200	<10	<50	<20	<10	<10	87	<50	<.5
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-8	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-8	30-Jan-96	<10	<500	3	<1	35	12	<200	<10	<50	<20	<10	<10	64	63	<.5
MW-8 (dup)	30-Jan-96	<10	<500	3	<1	36	12	<200	<10	<50	<20	<10	<10	63	76	<.5
MW-8	29-Nov-96	<5	120	<1	<1	14	5	21	<5	<50	<5	<5	<10	31	54	<.2
MW-8 (dup)	29-Nov-96	<5	82	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	19	<.2
MW-8	21-Apr-97	<5	<5	<.3	<1	19	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
MW-8	2-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	8-Dec-98	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8 (dup)	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-8	11-Apr-00	<10	<500	<2	2.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	20-Dec-00	<10	<500	<2	1.5	<10	17.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-8	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	5-Nov-02	<10	<500	<2	1.2	15.3	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	14-Apr-04	<10	<500	<2	<1	19.8	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	8-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	12.7	<10	<10	<50	<20	<.3
MW-8d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-8d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d (dup)	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d	7-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-9	6-Mar-94	<5	210	<5	<5	<10	<10	<20	<5	<10	<5	<10	<10	<10	<20	
MW-9	15-Apr-94	<3	199	<5	<.5	<20	11	<10	<2	<20	<3	<1	<10	<20	<10	
MW-9	11-May-94	<3	193	<5	<.5	<20	10	<10	2.7	<20	<3	<1	<10	<20	14	
MW-9	31-May-94	<5	270	<5	<5	24	14	25	21	<10	<5	<10	<10	23	120	
MW-9	25-Aug-94	<3	135	<5	<.5	<20	<20	<10	<2	<20	<3	<1	<10	<20	14	
MW-9	29-Sep-94	<3	123	<5	<.5	<20	<20	<10	4.2	<20	<3	<1	<10	<20	12	
MW-9	13-Jun-95	<10	<500	<2	<1	<10	14	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-9	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-9	30-Jan-96	<10	<500	4	1	20	15	<200	17	<50	<20	<10	<10	<40	65	<.5
MW-9	29-Nov-96	<5	140	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	21	<.2
MW-9	22-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
MW-9	2-Nov-97	<10	<500	<2	<1	<10	11	<200	<10	<50	<20	<10	<10	<40	37	<.2
MW-9	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	8-Dec-98	<10	<500	<2	1.5	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-9	3-Dec-01	11	166	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-9 (dup)	3-Dec-01	12.2	160	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-9	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	10.8	<40	<50	<.3
MW-9	5-Nov-02	<10	<500	<2	<1	<10	10.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-9	17-Apr-03	<10	<500	<2	<1	<10	10.6	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-9	4-Nov-03	<10	<500	<2	<1	<10	11.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-9	14-Apr-04	20.6	<500	<2	<1	<10	11.8	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10	6-Mar-94	<5	690	<5	<5	150	100	380	18	140	110	<10	<10	310	230	
MW-10	15-Apr-94	<3	117	<5	<.5	20	20	51	3.2	40	<3	5.6	<10	40	38	
MW-10	11-May-94	<3	103	<5	<.5	20	16	48	2	20	<3	<1	<10	40	32	
MW-10	31-May-94	<5	280	<5	<5	63	39	140	<5	55	<5	<10	<10	120	120	
MW-10	25-Aug-94	<3	143	<5	<.5	30	<20	63	2.3	30	<3	<1	<10	60	43	
MW-10	29-Sep-94	<3	103	<5	<.5	17	<20	43	3.6	<20	<3	<1	<10	50	29	
MW-10	13-Jun-95	<10	<500	2	2	111	38	339	<10	143	<20	<10	<10	313	168	<.5
MW-10	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-10	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-10	30-Jan-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	28-Nov-96	<5	71	<1	<1	<2	14	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-10	22-Apr-97	<5	<5	<.3	<1	31	23	<5	<5	<5	<10	<5	<10	43	98	<.2
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-10	5-May-98	<10	<500	<2	1.3	<10	<10	<200	13	<50	<20	<10	<10	<40	720	0.34
MW-10	18-Aug-98	<10	<500	<2	4.9	<10	<10	<200	<10	<50	<20	<10	<10	<40	150	<.2
MW-10	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	6-Oct-98	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	8-Dec-98	<10	<500	<2	2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10 (dup)	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-10	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-10	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.5
MW-10 (dup)	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-10	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-10	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

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Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-10d	8-Jun-01	<10	<100	<10	<10	<10	<10	30	<10	<40	<10	<10	<10	<50	<20	0.3
MW-10d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-10d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10d	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10d	17-Apr-03	10.9	<500	<2	1.1	10.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10d	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-22	9-Jun-97	<10	<500	<2	2.9	<10	130	<200	<10	66	<20	<10	<10	<40	<50	<.2
MW-22	18-Aug-97	11.9	<500	<2	4.4	<10	229	<200	14.3	164	<20	<10	<10	<40	68.6	<.2
MW-22	2-Nov-97	<10	<500	<2	1.5	<10	210	<200	12	130	<20	<10	<10	<40	230	<.2
MW-22	6-May-98	<10	<500	<2	<1	<10	110	<200	<10	51	<20	<10	<10	<40	80	<.2
MW-22	18-Aug-98	<10	<500	<2	9.6	<10	110	<200	<10	<50	<20	<10	<10	<40	210	<.2
MW-22	10-Sep-98	<10	<500	<2	<1	<10	100	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	6-Oct-98	<10	<500	<2	<1	<10	99	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	8-Dec-98	<10	<500	<2	1.9	<10	130	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	11-Jan-99	<10	<500	<2	1.5	<10	202	<200	<10	55	<20	<10	<10	<40	<50	<.2
MW-22	8-Feb-99	<10	<500	<2	2	<10	168	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	16-Apr-99	<10	<500	<2	4.1	10.1	261	<200	21	70.9	<20	<10	<10	<40	<50	<.2
MW-22	2-Dec-99	<10	<500	<2	7.4	<10	160	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	12-Apr-00	<10	<500	<2	6.1	<10	98.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	20-Dec-00	<10	<500	<2	2.4	<10	60.7	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	17-Apr-01	<10	<500	<2	1.2	<10	31.4	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-22	5-Dec-01	<10	<100	<10	<10	<10	26.9	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	9-Apr-02	<10	<100	<10	2.1	<10	63.5	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	6-Nov-02	<10	<100	<10	1.2	<10	26.5	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	17-Apr-03	<10	<100	<10	<1	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.25
MW-22	5-Nov-03	<10	<100	<10	1.19	11.1	30.1	<10	12.9	<40	<10	<10	<10	<50	<20	<.25
MW-22	26-Apr-04	<10	<100	<10	<1	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.25
MW-23	9-Jun-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	18-Aug-97	10.3	<500	<2	2.3	<10	14.2	<200	18.8	59.1	<20	<10	<10	<40	<50	<.2
MW-23	2-Nov-97	<10	600	4.7	2.6	54	35	<200	56	110	<20	<10	<10	170	260	<.2
MW-23	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	18-Aug-98	<10	<500	<2	5.4	24	10	<200	17	<50	<20	<10	<10	50	150	<.2
MW-23	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	6-Oct-98	<10	<500	<2	1.6	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.26
MW-23	8-Dec-98	<10	<500	<2	1.7	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23 (dup)	8-Dec-98	<10	<500	<2	2.3	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.20
MW-23	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.20
MW-23	16-Apr-99	<10	<500	<2	<1	11.2	<10	<200	23.8	<50	<20	<10	<10	<40	<50	0.7
MW-23	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-23 (dup)	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.1
MW-23	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-23	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23 (dup)	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-23d	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	80	<.2
MW-23d	18-Aug-98	<10	<500	<2	4	<10	<10	<200	<10	<50	<20	<10	<10	<40	63	<.2
MW-23d	10-Sep-98	<10	<500	<2	1.6	<10	<10	<200	11	<50	<20	<10	<10	<40	<50	<.2
MW-23d	6-Oct-98	<10	<500	<2	2.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	60	0.22
MW-23d	8-Dec-98	<10	<500	<2	1.8	<10	<10	<200	<10	<50	<20	<10	<10	<40	83	<.2
MW-23d	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.8
MW-23d	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-23d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-24	9-Jun-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	18-Aug-97	<10	<500	<2	1.7	<10	11.2	<200	<10	<50	<20	<10	<10	<40	52.8	<.2
MW-24	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	66	<.2
MW-24 (dup)	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	12	<50	<20	<10	<10	<40	91	0.25
MW-24	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	18-Aug-98	<10	<500	<2	4.7	<10	<10	<200	16	<50	<20	<10	<10	<40	180	<.2
MW-24 (dup)	18-Aug-98	11	<500	2.1	8.9	12	11	<200	22	<50	<20	<10	<10	<40	290	<.2
MW-24	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.44
MW-24	6-Oct-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.98
MW-24	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.62
MW-24	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.62
MW-24	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.50
MW-24	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	13.7	<50	<20	<10	<10	<40	53.1	0.4
MW-24	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-24	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-24 (dup)	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-24	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-24	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-24	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-27	4-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	7-Dec-98	<10	<500	<2	1	21	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	29-Apr-99	<10	<500	<2	2.3	<10	19	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	3-Dec-99	<10	<500	<2	<1	<10	13.2	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	12-Apr-00	<10	<500	<2	1.7	<10	14.5	<200	<10	<50	<20	<10	<10	<40	75.6	0.5
MW-27	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-27	12-Apr-02	<10	<500	<2	1.7	<10	10.5	<200	<10	<50	<20	<10	<10	<40	51.8	<.3
MW-27	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-27	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-28	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	17-Aug-98	<10	<500	<2	5.6	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	9-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	7-Oct-98	<10	<500	<2	8.8	43	24	<200	<10	<50	<20	<10	<10	80	150	<.2
MW-28	9-Dec-98	<10	<500	<2	8.9	39	19	<200	<10	<50	<20	<10	<10	68	140	<.2
MW-28	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28d	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	17-Aug-98	<10	<500	<2	1.3	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	7-Oct-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.25
MW-28d	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d (dup)	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28d	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28d	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	4-May-98	<10	<500	<2	<1	13	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	17-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	9-Sep-98	<10	<500	<2	1	17	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d (dup)	9-Sep-98	<10	<500	<2	<1	11	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	7-Oct-98	<10	<500	<2	2.7	18	<10	<200	<10	<50	<20	<10	<10	<40	53	<.2
MW-29d	9-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.24
MW-29d	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-29d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-30	4-May-98	<10	<500	<2	<1	60	19	<200	<10	<50	<20	<10	<10	56	60	<.2
MW-30	17-Aug-98	<10	<500	<2	34	50	19	<200	<10	50	<20	<10	<10	50	190	<.2
MW-30	9-Sep-98	<10	<500	<2	<1	16	<10	<200	<10	50	<20	<10	<10	<40	140	<.2
MW-30	7-Oct-98	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	7-Dec-98	<10	<500	<2	2.6	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Jan-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	9-Feb-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-30	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Aug-98	<10	<500	<2	14	88	<10	<200	38	82	<20	<10	<10	81	220	<.2
MW-31	9-Sep-98	<10	<500	<2	3.3	42	<10	<200	15	<50	<20	<10	<10	<40	530	<.2
MW-31	7-Oct-98	<10	<500	<2	1.8	10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Dec-98	<10	<500	<2	2.6	24	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Apr-01	<10	<500	<2	<1	16.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Dec-01	<10	<100	<10	<10	55	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	1-May-98	<10	<500	3	<1	110	13	<200	19	68	<20	<10	<10	280	210	<.2
MW-31d	17-Aug-98	<10	<500	<2	8.6	10	<10	<200	<10	<50	<20	<10	<10	<40	94	<.2
MW-31d	9-Sep-98	<10	<500	<2	2.8	25	<10	<200	<10	<50	<20	<10	<10	60	260	<.2
MW-31d	7-Oct-98	<10	<500	<2	2.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	11-Jan-99	<10	<500	<2	<1	19.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	18-Apr-03	<10	<500	<2	<1	10.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-34	6-Aug-98	<10	<500	4.9	8.4	43	20	<200	<10	64	<20	<10	<10	110	180	<.2
MW-34	7-Dec-98	<10	<500	<2	2.2	14	<10	<200	<10	<50	<20	<10	<10	<40	59	<.2
MW-34	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	73.2	<.2
MW-34	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	10.3	<40	<50	<.25
MW-34d	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d (dup)	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	7-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	9-Apr-02	<10	<500	<2	<1	12.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34d	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	6-Aug-98	<10	<500	4.3	9.8	47	30	<200	<10	52	<20	<10	<10	120	130	<.2
MW-35	7-Dec-98	<10	<500	<2	4.6	22	15	<200	<10	79	<20	<10	<10	43	74	<.2
MW-35	26-Apr-99	<10	<500	<2	<1	<10	13	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
SW-2	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	31-Oct-95	<10	<500	<2	2	<1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	28-Nov-96	<5	25	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	21	<.2
SW-2	21-Apr-97	<5	29	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-2	5-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	27-Nov-96	<5	33	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	32	<.2
SW-3	21-Apr-97	<5	19	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-3	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	56	<.2
SW-3	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	15-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Nov-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Oct-03	<10	<500	<2	<1	11.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	

All units are in micrograms per liter (parts per billion).
--MW-10 was installed inside landfill fence on April 1, 1998
--MW-23D was installed on April 27, 1998
--MW-5 was re-installed on July 24, 1998
--MW-8 was re-installed on April 11, 2000
--MW-6d, -8d, 10d, and TB-1a deep installed June 2001.
--MW-5R was installed on January 30, 2004.
*-groundwater protection standard
**-New background well; NS - Not Sampled; dup - duplicate sample
- Concentration exceeds N.C. Groundwater Standards (2L) or grounwater protection standard

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		**10**	**2000**	**2***	**5**	**50**	**2***	**1000**	**15**	**100**	**50**	**18**	**2***	**25***	**2100**	**1.1**
MW-30	4-May-98	<10	<500	<2	<1	60	19	<200	<10	<50	<20	<10	<10	56	60	<.2
MW-30	17-Aug-98	<10	<500	<2	34	50	19	<200	<10	50	<20	<10	<10	50	190	<.2
MW-30	9-Sep-98	<10	<500	<2	<1	16	<10	<200	<10	50	<20	<10	<10	<40	140	<.2
MW-30	7-Oct-98	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	7-Dec-98	<10	<500	<2	2.6	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Jan-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	9-Feb-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-30	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Aug-98	<10	<500	<2	14	88	<10	<200	38	82	<20	<10	<10	81	220	<.2
MW-31	9-Sep-98	<10	<500	<2	3.3	42	<10	<200	15	<50	<20	<10	<10	<40	530	<.2
MW-31	7-Oct-98	<10	<500	<2	1.8	10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Dec-98	<10	<500	<2	2.6	24	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Apr-01	<10	<500	<2	<1	16.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Dec-01	<10	<100	<10	<10	55	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	1-May-98	<10	<500	3	<1	110	13	<200	19	68	<20	<10	<10	280	210	<.2
MW-31d	17-Aug-98	<10	<500	<2	8.6	10	<10	<200	<10	<50	<20	<10	<10	<40	94	<.2
MW-31d	9-Sep-98	<10	<500	<2	2.8	25	<10	<200	<10	<50	<20	<10	<10	60	260	<.2
MW-31d	7-Oct-98	<10	<500	<2	2.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	11-Jan-99	<10	<500	<2	<1	19.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	18-Apr-03	<10	<500	<2	<1	10.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-32	1-May-98	<10	<500	<2	<1	23	44	<200	<10	<50	<20	<10	<10	41	59	<.2
MW-32	17-Aug-98	<10	<500	<2	5.5	10	31	<200	<10	<50	<20	<10	<10	<40	130	<.2
MW-32	9-Sep-98	<10	<500	<2	5.4	34	45	<200	<10	54	<20	<10	<10	60	240	<.2
MW-32	6-Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-32	7-Dec-98	<10	<500	<2	8	40	42	<200	<10	77	<20	<10	<10	74	85	<.2
MW-32	11-Jan-99	<10	<500	<2	<1	<10	26.5	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	8-Feb-99	<10	<500	<2	<1	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	19-Apr-99	<10	<500	<2	<1	<10	28.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	3-Dec-99	<10	<500	<2	<1	<10	25.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	13-Apr-00	<10	<500	<2	1.2	<10	40.9	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	19-Dec-00	<10	<500	<2	1.0	<10	25.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	17-Apr-01	<10	<500	<2	<1	<10	22.8	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	4-Dec-01	<10	<100	<10	<10	<10	14.7	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-32	11-Apr-02	<10	<500	<2	<1	<10	12.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	6-Nov-02	<10	<500	<2	<1	<10	12.2	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	18-Apr-03	<10	<500	<2	1.4	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-32	4-Nov-03	<10	<500	<2	<1	<10	10.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-32	28-Apr-04	<10	<500	<2	<1	<10	10.5	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	1-May-98	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	14	<10	<40	50	
TB-1a	17-Aug-98	<10	<500	<2	9.3	21	20	<200	<10	<50	<20	<10	<10	<40	130	<.2
TB-1a	9-Sep-98	<10	<500	<2	2.6	14	16	<200	<10	<50	<20	<10	<10	<40	160	<.2
TB-1a	7-Oct-98	<10	<500	<2	4.0	17	14	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a (dup)	7-Oct-98	<10	<500	<2	2.1	<10	14	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	9-Dec-98	<10	<500	<2	3.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.22
TB-1a	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	3-Dec-01	<10	<100	<10	<10	<10	<10	17.3	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	5-Nov-02	<10	<500	<2	2.2	12.7	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	8-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a deep	6-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a deep	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a deep	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a deep	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-33	6-Aug-98	<10	<500	<2	5.8	46	18	<200	<10	<50	<20	<10	<10	73	110	<.2
MW-33	7-Dec-98	<10	<500	<2	2.7	18	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-33	26-Apr-99	<10	<500	<2	<1	15.5	<10	<200	<10	<50	<20	<10	<10	<40	58.5	<.2
MW-33	2-Dec-99	<10	<500	<2	<1	18.1	<10	<200	<10	<50	<20	<10	<10	<40	61	<.2
MW-33	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-33	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-33	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-33	16-Apr-03	<10	<500	<2	1.2	26.9	11.8	<200	<10	<50	<20	<10	<10	47.1	71.5	<.25
MW-33	21-Apr-04	<10	<500	<2	<1	10.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		10	2000	2*	5	50	2*	1000	15	100	50	18	2*	25*	2100	1.1
MW-34	6-Aug-98	<10	<500	4.9	8.4	43	20	<200	<10	64	<20	<10	<10	110	180	<.2
MW-34	7-Dec-98	<10	<500	<2	2.2	14	<10	<200	<10	<50	<20	<10	<10	<40	59	<.2
MW-34	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	73.2	<.2
MW-34	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	10.3	<40	<50	<.25
MW-34d	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d (dup)	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	7-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	9-Apr-02	<10	<500	<2	<1	12.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34d	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	6-Aug-98	<10	<500	4.3	9.8	47	30	<200	<10	52	<20	<10	<10	120	130	<.2
MW-35	7-Dec-98	<10	<500	<2	4.6	22	15	<200	<10	79	<20	<10	<10	43	74	<.2
MW-35	26-Apr-99	<10	<500	<2	<1	<10	13	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
SW-2	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	31-Oct-95	<10	<500	<2	2	<1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	28-Nov-96	<5	25	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	21	<.2
SW-2	21-Apr-97	<5	29	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-2	5-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	27-Nov-96	<5	33	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	32	<.2
SW-3	21-Apr-97	<5	19	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-3	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	56	<.2
SW-3	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	15-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Nov-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Oct-03	<10	<500	<2	<1	11.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	

All units are in micrograms per liter (parts per billion).
--MW-10 was installed inside landfill fence on April 1, 1998
--MW-23D was installed on April 27, 1998
--MW-5 was re-installed on July 24, 1998
--MW-8 was re-installed on April 11, 2000
--MW-6d, -8d, 10d, and TB-1a deep installed June 2001.
--MW-5R was installed on January 30, 2004.
*-groundwater protection standard
**-New background well; NS - Not Sampled; dup - duplicate sample
- Concentration exceeds N.C. Groundwater Standards (2L) or grounwater protection standard

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-1	15-Apr-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1.0	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	11-May-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	25-Aug-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	29-Sep-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	13-Jun-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-1	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-11**	31-Oct-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11	22-Mar-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11	27-Nov-96	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<2	<25	<1	<5	<1	<1	<25	<10		
MW-11	22-Apr-97	<1	<1	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-11	31-Oct-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11	11-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	29		
MW-11	14-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-11	30-Nov-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-11	5-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	18-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	27-Nov-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	5-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	15-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	30-Oct-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	31-Oct-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11d	22-Mar-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11d	27-Nov-96	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<2	<25	<1	<5	<1	<1	<25	<10		
MW-11d	22-Apr-97	<1	<1	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-11d	31-Oct-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	11-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	14-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-11d	30-Nov-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	20		
MW-11d	5-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	18-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	27-Nov-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	5-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	15-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	30-Oct-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-5	6-Mar-94	4.9	<.5	5.3	14	<.5	<.5	2.1	<.5	150	<.5	0.8	<.5	9.2	<.5	17	<.5	<.5	6.3	3.23	<5	2			<.5	<5			
MW-5	15-Apr-94	4.2	1.1	<.5	11.8	35.7	<.5	1.5	<1	99.6	<1	1.2	<1	17.9	<1	11.7	<1	5.7	6.3	<2	<20	<1			<.5	<20			
MW-5	11-May-94	2.4	<.5	<.5	8.2	24	<.5	<.5	<1	74	<1	1.1	2	26	<1	11	<1	5.7	4.9	<2	<20	<1			<.5	<20			
MW-5	31-May-94	3.1	<.5	7.2	8.1	<.5	0.6	1.2	<.5	47	<.5	1.2	<.5	31	<.5	13	<.5	<.5	5.4	2.72	<5	<.5			<.5	<5			
MW-5	10-Jun-94	2.8	<.5	7.6	7.1	24.5	<.5	1.2	<1	71.8	<1	1.4	<1	34.1	<1	12.4	<1	<1	3.6	<2	<20	<1			<.5	<20			
MW-5	30-Sep-94	1.9	<.5	8.9	<.5	18.7	<.5	<.5	<1	41.6	<1	<1	<1	34.7	<1	<1	<1	10.9	4.6	<2	<20	<1			<.5	<20			
MW-5	13-Jun-95	10	<5	<5	10	48	<5	8	<5	<5	<5	<5	<5	<5	<5	20	<5	<10	10	<5	<100	<10	22	<5	196	<100	<20		
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	35	NS	NS	NS	NS		
MW-5	31-Oct-95	9	<5	<5	11	61	<5	14	<5	230	<5	<5	<5	<5	<5	18	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-5 (dup)	31-Oct-95	9	<5	<5	16	53	<5	14	<5	210	<5	<5	<5	<5	<5	15	<5	<10	9	<5	<100	<10	<5	<5	<5	<100	<20		
MW-5	30-Jan-96	10	<5	<5	17	50	<5	23	<5	198	<5	<5	<5	<5	<5	<10	<5	<10	7	<5	<100	<10	16	<5	<5	<100	<20		
MW-5	28-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	8-Dec-98	7.9	<5	<5	17	20	<5	15	6.0	74	<5	<5	<5	<5	<10	79	<5	<10	11	6.5	<100	<10	10	<5	<5	<100	<5.2		
MW-5	16-Apr-99	8	<10	<10	14	22	<10	42	<10	87	<10	<10	<10	<10	<10	100	<10	<10	6	<20	<250	<10	<10	<10	<10	<250	<10	26	
MW-5	2-Dec-99	6	<5	<5	16	<10	<5	72	<5	60	<5	<5	<5	<5	<10	<10	<5	<10	6	<10	<125	<10	<25	<5	<5	<125	<10		
MW-5	11-Apr-00	6	<5	<5	22	14	<5	34	11.0	70	<5	<5	<5	<5	<10	<10	<5	<10	10	<10	<125	<10	<25	<5	<5	<125	<10		140
MW-5	20-Dec-00	<5	<5	<5	14	<10	<5	17	<5	39	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	16-Apr-01	<5	<5	<5	17	<10	<5	29	7.0	44	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	3-Dec-01	<5	<5	<5	12	<10	<5	20	<5	31	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	12-Apr-02	<5	<5	<5	16	<10	<5	33	7.0	32	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	5-Nov-02	<5	<5	<5	15	10	<5	31	6.0	26	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	17-Apr-03	<5	<5	<5	11	<10	<5	44	14.0	24	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	8	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	540	<10	<5	<5	<5	360	<10		<15
MW-5	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	8	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	490	<10	<5	<5	<5	360	<10		<15
MW-5	14-Apr-04	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1000	<4	<4	<4	<4	<4	<4	<12	<100	<4	<4	<4	<4	<20	<10		<4
MW-5R	21-Apr-04	<10	<10	<10	<10	<10	<10	56.2	16.5	13.1	<10	<10	<10	<10	<20	<20	<10	<20	<10	<8	<200	<20	<10	<10	<10	<200	<10		<30
MW-6	6-Mar-94	1.7	<.5	5.9	4.6	<.5	0.83	<.5	<.5	34	<1	1	<.5	3.9	<.5	37	<.5	<.5	3.4	2.42	<5	<.5			<.5	<5			
MW-6	15-Apr-94	<1	<.5	<.5	2.1	8.5	<.5	<.5	<1	12.5	<1	<.5	<1	2.6	<1	21	<1	1.2	1.9	<2	<20	<1			<.5	<20			
MW-6	11-May-94	<1	<.5	<.5	4.9	18.4	<.5	<.5	<1	28.7	<1	<.5	<1	2.6	<1	64.2	<1	1.2	2.3	<2	<20	<1			<.5	<20			
MW-6 (dup)	1-Jun-94	3.7	<.5	14	7.5	<.5	4.3	<.5	<.5	50	<.5	<.5	<.5	11	<.5	130	<.5	<1	7	16.6	<5	<.5			<.5	<5			
MW-6	25-Aug-94	<1	<.5	<.5	<5	22	<.5	<.5	<1	36	<1	<.5	<1	<5	<1	79.8	<1	<1	<5	<2	<20	<1			<.5	<20			
MW-6	29-Sep-94	2	<.5	1.4	<.5	18	<.5	<.5	<1	34	<1	<.5	<1	<1	<1	6.1	<1	86	3	<2	<20	<1			<.5	<20			
MW-6	13-Jun-95	<5	<5	<5	6	19	<5	<5	<5	28	<5	<5	<5	<5	<5	61	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-6	31-Oct-95	<5	<5	<5	6	22	<5	<5	<5	32	<5	<5	<5	<5	<5	56	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	30-Jan-96	6	<5	<5	11	37	<5	<5	<5	61	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	29-Nov-96	<10	<10	<10	16	34	<10	<10	<10	41	<10	<10	<10	<10	<10	91	<10	<10	<20	<250	<10	<50	<10	<10	<10	<250	<10		
MW-6	22-Apr-97	5.4	<1	<1	15	37	<5	6.7	<1	29	<1	<1	<1	<1	<1	88	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-6	2-Nov-97	5.1	<5	<5	16	28	<5	7.8	<5	28	<5	<5	<5	<5	<10	90	<5	<10	5.2	<5	<100	<10	<5	<5	<5	<100	<5		
MW-6	6-May-98	<10	<10	<10	17	29	<10	13	<10	34	<10	<10	<10	<10	<20	140	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6 (dup)	6-May-98	<10	<10	<10	19	30	<10	14	<10	35	<10	<10	<10	<10	<20	140	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6	8-Dec-98	<10	<10	<10	19	26	<10	14	<10	40	<10	<10	<10	<10	<20	160	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6	16-Apr-99	5	<10	<10	11	16	<10	<10	<10	26	<10	<10	<10	<10	<20	110	<10	<20	<10	<10	<250	<20	<10	<10	<10	<250	<10	<10	
MW-6	2-Dec-99	<5	<5	<5	6	<10	<5	7	<5	12	<5	<5	<5	<5	<10	67	<5	<10	<5	<10	<125	<10	<25	<5	<5	<125	<10		
MW-6	11-Apr-00	<5	<5	<5	6	<10	<5	7	<5	12	<5	<5	<5	<5	<10	63	<5	<10	<5	<10	<125	<10	<25	<5	<5	<125	<10		<15
MW-6	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	6	<5	<5	<5	<5	<10	20	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	16-Apr-01	<5	<5	<5	<5	<10	<5	6	<5	8	<5	<5	<5	<5	<10	46	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	3-Dec-01	<5	<5	<5	<5	<10	<5	6	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	12-Apr-02	<5	<5	<5	<5	<10	<5	5	<5	7	<5	<5	<5	<5	<10	26	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	5-Nov-02	<5	<5	<5	<5	<10	<5	5	<5	<5	<5	<5	<5	<5	<10	10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	13		<15
MW-6	4-Nov-03	<5	<5	<5	<5	<10	<5	6	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	14-Apr-04	<5	<5	<5	<5	<10	<5	5.7	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-6d	8-Jun-01	<5	<5	<5	<5	<10	<5	6	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	7-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	6-Mar-94	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<5	<.5			<.5	<5			
MW-7	15-Apr-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	11-May-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	31-May-94	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<5	<.5			<.5	<5			
MW-7	25-Aug-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	29-Sep-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	13-Jun-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-7	31-Oct-95	<5	<5	<5	<5	11	<5	<5	<5	5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	30-Jan-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	29-Nov-96	<2	<2	<2	5	22	<2	2	<2	9	<2	<2	<2	<2	<2	<2	<2	<2	4	<4	<50	<2	<10	<2	<2	<50	<10		
MW-7	21-Apr-97	<1	<1	<1	<1	19	<5	5.9	<1	11	<1	<1	<1	<1	<1	<1	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-7	1-Nov-97	<5	<5	<5	<5	26	<5	6.2	<5	10	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-7	6-May-98	<5	<5	<5	<5	24	<5	21	<5	17	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-7	8-Dec-98	7.2	<5	<5	5.2	32	<5	36	<5	20	<5	<5	<5	<5	<10	12	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-7	16-Apr-99	<5	<5	<5	<5	21	<5	24	<5	14	<5	<5	<5	<5	<10	<20	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.3	<10	
MW-7	2-Dec-99	<5	<5	<5	<5	<10	<5	16	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-7	11-Apr-00	<5	<5	<5	<5	<10	<5	17	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	11-Apr-00	<5	<5	<5	<5	<10	<5	17	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	16		<15
MW-7	19-Dec-00	<5	<5	<5	<5	<10	<5	10	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	19-Dec-00	<5	<5	<5	<5	<10	<5	12	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	16-Apr-01	<5	<5	<5	<5	<10	<5	13	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	16		<15
MW-7	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	9-Apr-02	<5	<5	<5	<5	<10	<5	7	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	6-Nov-02	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	16-Apr-03	<5	<5	<5	<5	<10	<5	24	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	5-Nov-03	<5	<5	<5	<5	<10	<5	15	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	21-Apr-04	<5	<5	<5	<5	<10	<5	18.3	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	21-Apr-04	<5	<5	<5	<5	<10	<5	19.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	6-Mar-94	5.6	1	18	16	<.5	2.2	7.6	3.2	13	<1	1.3	4	7.3	<.5	450	0.56	<.5	7.5	35.6	<5	0.76			<.5	<5			
MW-8	15-Apr-94	7.9	1.8	<.5	17.5	39.8	1.3	8.9	4.9	88.6	3	1.5	5	5.1	<1	310	1.4	8.8	8.1	39.7	<20	<1			<.5	<20			
MW-8	11-May-94	5.6	<2.5	<2.5	15	34	<2.5	<2.5	<5	83	<5	<2.5	<5	<5	<1	270	<5	<1	7	27.1	<20	<1			<.5	<20			
MW-8	31-May-94	12	2.6	16	29	<.5	1.1	23	13	110	<5	1.6	11	4.4	3.1	310	<.5	<.5	16	89	<5	<.5			<.5	<5			
MW-8	25-Aug-94	<5	<5	<5	<5	51.3	<5	<5	<5	109	<5	<5	<5	<5	<1	400	<5	<1	<5	32	<20	<1			<.5	<20			
MW-8	30-Sep-94	5.8	<.5	8.9	13	35	<2.5	5.6	5.2	86	<5	<2.5	<5	<5	<1	300	<5	12.2	<5	22.8	<20	<1			<.5	<20			
MW-8	13-Jun-95	<5	<5	<5	6	15	<5	<5	<5	36	<5	<5	<5	<5	<5	47	<5	<10	<5	19	<100	<10	<5	<5	<5	<100	<20		
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-8	31-Oct-95	8	<5	<5	14	40	8	23	<5	72	<5	<5	<5	<5	<5	137	32	<10	9	<5	<100	<10	8	<5	<5	<100	<20		
MW-8	30-Jan-96	10	<5	<5	23	37	<5	34	<5	71	<5	<5	<5	<5	<5	123	<5	<10	18	58	<100	<10	10	<5	<5	<100	20		
MW-8	29-Nov-96	4	<1	1	12	15	<1	24	3	18	<1	<1	<1	<1	<1	23	<1	<1	13	13	<25	<1	5	8	<1	<25	<10		
MW-8	21-Apr-97	<1	<1	<1	8.1	<5	<1	20	<1	10	<1	<1	<1	<1	<1	16	<1	<5	8.3	<2	<20	<1	<1	<1	<1	<20	8		
MW-8	2-Nov-97	<5	<5	<5	5.2	<10	<5	22	<5	6.3	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-8	6-May-98	5.7	<5	<5	8.7	<10	<5	56	<5	15	<5	<5	<5	<5	<10	13	<5	<10	7.8	6.1	<100	<10	<5	<5	<5	<100	<5		
MW-8	8-Dec-98	<5	<5	<5	5.2	<10	<5	37	<5	7.9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-8	16-Apr-99	<5	<5	<5	6	<10	<5	55	6	13	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-8 (dup)	16-Apr-99	<5	<5	<5	<5	<10	<5	41	<5	10	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5	<10	
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-8	11-Apr-00	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	16-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		<15
MW-8	4-Nov-03	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	14-Apr-04	<5	<5	<5	<5	<10	<5	7.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-8d	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d (dup)	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	7-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	6-Mar-94	5.3	<.5	7	8.7	<.5	5.8	<.5	1.6	100	<.5	1.3	6	4.2	<.5	680	0.73	<.5	6.6	15.2	<5	0.96			<.5	<5			
MW-9	15-Apr-94	5.6	<.5	<.5	12.4	14.1	4.9	0.7	2.4	96.8	<1	1.8	1.6	3.6	<1	357	<5	7.3	8.2	17.3	<20	<1			<.5	<20			
MW-9	11-May-94	6.8	<.5	<2.5	13	<5	5	<2.5	<2.5	134	<1	<2.5	<5	<5	<1	357	<5	20.1	7.6	20.5	<20	<1			<.5	<20			
MW-9	31-May-94	8.2	<.5	8.7	14	<.5	6.6	<.5	3.4	170	<.5	1.7	1.7	3.6	<.5	450	<.5	<.5	8.8	23.3	<5	<.5			<.5	<5			
MW-9	25-Aug-94	<5	<.5	<5	<5	<10	<5	<5	<5	165	<1	<2.5	<5	<5	<1	558	<5	<1	<5	<10	<20	<1			<.5	<20			
MW-9	29-Sep-94	7	<.5	6.5	<2.5	<5	5.1	<2.5	<5	131	<1	<2.5	<5	<5	<1	400	<5	<1	8.2	16	<20	<1			<.5	<20			
MW-9	13-Jun-95	11	<5	7	23	20	<5	<5	<5	203	<5	<5	<5	<5	<5	250	<5	<10	11	8	<100	<10	28	<5	<5	<100	<20		
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	41	NS	NS	NS	NS		
MW-9	31-Oct-95	15	<5	6	27	29	<5	<5	<5	310	<5	<5	<5	<5	<5	278	<5	<10	14	14	<100	<10	44	<5	<5	<100	<20		
MW-9	30-Jan-96	14	<5	<5	23	22	<5	<5	<5	270	<5	<5	<5	<5	<5	<10	<5	11	8	6	<100	<10	33	<5	<5	<100	<20		
MW-9	29-Nov-96	22	<20	<20	31	<20	<20	<20	<20	280	<20	<20	<20	<20	<20	<100	<20	<20	<20	<40	<500	<20	<100	<20	<20	<500	<10		
MW-9	22-Apr-97	24	<2.5	<2.5	28	<13	<13	<2.5	6.6	220	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<2.5	<13	<2.5	14.2	<50	<2.5	16	<2.5	<2.5	<50	<5		
MW-9	2-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	200	<25	<25	<25	<25	<50	<50	<25	<50	<25	<50	<500	<50	32	<25	<25	<500	<5		
MW-9	6-May-98	17	<12	<12	32	<25	<12	<12	<12	210	<12	<12	<12	<12	<25	<25	<12	<25	13	<12	<250	<25	31	<12	<12	<250	<5		
MW-9	8-Dec-98	14	<10	<10	31	<20	<10	<10	<10	200	<10	<10	<10	<10	<20	<20	<10	<20	13	<10	<200	<20	53	<10	<10	<200	20		
MW-9	16-Apr-99	7	<10	<10	20	<20	<10	<10	<10	140	<10	<10	<10	<10	<20	<20	<10	<10	7	<20	<250	<10	49	<10	<10	<250	12	<10	
MW-9	2-Dec-99	<5	<10	<10	20	<20	<10	<10	<10	120	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	<50	<10	<10	<250	<10		
MW-9	11-Apr-00	<5	<10	<10	20	<20	<10	<10	<10	110	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	<50	<10	<10	<250	<10		<15
MW-9	20-Dec-00	<10	<10	<10	18	<10	<10	<10	<10	100	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	25	<10	<10	<250	<10		<15
MW-9	16-Apr-01	<5	<5	<5	15	<10	<5	6	<5	93	<5	<5	<5	<5	<10	<20	<5	<10	6	<8	<100	<10	20	<5	<5	<100	21		<15
MW-9	3-Dec-01	<5	<5	<5	5	<10	<5	20	<5	100	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	25	<5	<5	<100	<10		<15
MW-9 (dup)	3-Dec-01	<5	<5	<5	<5	<10	<5	19	<5	89	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	20	<5	<5	<100	22		<15
MW-9	12-Apr-02	<5	<5	<5	<5	<10	<5	21	<5	97	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	5-Nov-02	<5	<5	<5	<5	<10	<5	20	<5	84	<5	<5	<5	<5	<10	<10	<5	<10	<5	<8	<100	<10	19	<5	<5	<100	<10		<15
MW-9	17-Apr-03	5	<5	<5	<5	<10	<5	29	<5	100	<5	<5	6	<5	<10	<10	<5	<10	<5	<5	<100	<10	19	<5	<5	<100	59		<15
MW-9	4-Nov-03	5	<5	<5	<5	<10	<5	28	<5	83	<5	<5	13	<5	<10	<10	<5	<10	<5	8	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	14-Apr-04	5.9	<2	<2	<2	<2	<2	27	5.5	96	<2	<2	15	<2	<2	<2	2.5	<2	<2	7.4	<50	6.2	11.8	<2	<2	<10	26		<2
MW-10	6-Mar-94	2.4	<.5	16	9.8	<.5	2.5	<.5	<.5	37	<.5	2.4	<.5	12	<.5	72	<.5	<.5	4.6	26.7	<5	<.5			<.5	<5			
MW-10	15-Apr-94	1.8	2.6	<.5	8	18.1	1.6	<.5	<1	24.2	<1	2.6	<1	<1	<1	67.3	<1	5.5	4.8	16.9	<20	<1			<.5	<20			
MW-10	11-May-94	1.4	2.6	<.5	6.8	15.8	1.7	<.5	<1	23	<1	1.8	<1	16.3	<1	54.8	<1	4	4	6.7	<20	<1			<.5	<20			
MW-10	31-May-94	3.7	<.5	17	15	<.5	3.9	<.5	<.5	57	<.5	2.7	<.5	15	<.5	120	<.5	<.5	8.7	19.1	<5	<.5			<.5	<5			
MW-10	25-Aug-94	<5	<5	18.4	<5	47.7	<5	<.5	<1	72	<1	<5	<1	18	<1	194	8	18.7	9.2	15	<20	<1			<.5	<20			
MW-10	29-Sep-94	4.2	<.5	3.5	19	37.7	3.4	<.5	<1	56.3	<1	3.5	<1	17.1	<1	148	<1	7.2	<1	13.1	<20	<1			<.5	<20			
MW-10	13-Jun-95	7	<5	13	20	53	<5	<5	<5	84	<5	<5	<5	<5	<5	223	<5	13	13	14	<100	<10	18	<5	<5	<100	<20		
MW-10	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	53	NS	NS	NS	NS		
MW-10	31-Oct-95	<5	<5	14	8	33	<5	10	<5	44	<5	<5	<5	14	<5	47	<5	<10	7	<5	<100	<10	46	<5	<5	<100	<20		
MW-10	30-Jan-96	8	<5	8	18	48	<5	12	<5	101	<5	<5	<5	<5	<5	<10	<5	10	9	8	<100	<10	29	<5	<5	<100	<20		
MW-10	28-Nov-96	<1	<1	<1	2	3	<1	1	<1	12	<1	<1	<1	<1	<1	15	<1	<1	2	<2	<25	<1	<5	<1	<1	<25	<10		
MW-10	22-Apr-97	12	<2.5	<2.5	33	31	<13	20	<2.5	160	<2.5	<2.5	<2.5	<2.5	<2.5	120	<2.5	<13	25	19.6	<50	<2.5	8.5	<2.5	<2.5	<50	7.3		
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-10	8-Dec-98	<12	<12	<12	19	<25	<12	48	<12	140	<12	<12	<12	<12	<25	270	<12	<25	16	12	<250	<25	<12	<12	<12	<250	<5.1		
MW-10	11-Jan-99	7	<12.5	<12.5	18	19	<12.5	36	<12.5	140	<12.5	<12.5	<12.5	<12.5	<13	320	<12.5	<13	14	<25	<313	<13	<12.5	<12.5	<12.5	<313	NS		
MW-10	8-Feb-99	9	<10	<10	21	24	<10	41	<10	140	<10	<10	<10	<10	<10	<50	<10	<10	17	20	<250	<10	<10	<10	<10	<250	NS		
MW-10 (dup)	8-Feb-99	8	<10	<10	17	20	<10	38	<10	130	<10	<10	<10	<10	<10	<50	<10	<10	13	19*	<250	<10	<10	<10	<10	<250	NS		
MW-10	16-Apr-99	<20	<20	<20	<20	<20	<20	26	<20	160	<20	<20	<20	<20	<20	410	<20	<20	<40	<80	<1000	<20	<20	<20	<20	<1000	16	<10	
MW-10	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	40	<5	<5	<5	<5	<10	77	<5	<5	6	<8	<100	<10	<20	<5	<5	<100	14		
MW-10	12-Apr-00	<5	<5	<5	5	<10	<5	7	<5	46	<5	<5	<5	<5	<10	88	<5	<5	7	<8	<100	<10	<20	<5	<5	<100	<10		<15
MW-10	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	35	<5	<5	<5	<5	<10	40	<5	<5	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	34	<5	<5	<5	<5	<10	34	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	18	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	22	<5	<5	<5	<5	<10	18	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	20	<5	<5	<5	<5	<10	16	<5	<5	8	<5	<100	<10	6	<5	<5	<100	<10		<15
MW-10 (dup)	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	21	<5	<5	<5	<5	<10	16	<5	<5	9	<5	<100	<10	6	<5	<5	<100	<10		<15
MW-10	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	22	<5	<5	7	<5	<100	<10	5	<5	<5	<100	<10		<15
MW-10	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	5	<5	<5	<100	<10		<15
MW-10	14-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<4	<100	<10	5	<5	<5	<100	199		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-10d	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	12	<5	<5	<5	<5	<10	16	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	17	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	16	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	13	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	13		<15
MW-10d	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	5.9	<5	<5	<5	<5	<10	<10	<5	<5	<5	<4	<100	<10	<5	<5	<5	<100	32.4		<15
MW-22	9-Jun-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-22	18-Aug-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-22	2-Nov-97	<5	<5	<5	<5	<10	<5	<5	<5	6.9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	5.2	<5	<5	<100	<5		
MW-22	6-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-22	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	8.6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.4		
MW-22	16-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-22	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-22	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	5-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	9-Jun-97	<5	<5	6.4	9.1	40	<5	7.6	<5	86	<5	<5	16	<5	<10	100	<5	<10	9.3	13	<100	<10	<5	<5	<5	<100	<20		
MW-23	18-Aug-97	<5	<5	<5	<5	33	<5	11	<5	93	<5	<5	<5	<5	<10	85	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-23	2-Nov-97	<5	<5	<5	6.3	26	<5	11	<5	68	<5	<5	<5	<5	<10	40	<5	<10	5.6	<5	<100	<10	<5	<5	<5	<100	<5		
MW-23	5-May-98	<5	<5	<5	<5	<10	<5	<5	<5	6.9	<5	<5	<5	<5	<10	10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-23	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	7.4	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	8.3		
MW-23 (dup)	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	9.2	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100			
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MW-23 (dup)	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-23	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23 (dup)	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	5-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-23d	5-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-23d	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	7.8		
MW-23d	16-Apr-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-23d	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		
MW-23d	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		<15
MW-23d	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-23d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23d	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23d	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23d	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-23d	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
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MW-24	18-Aug-97	<5	<5	<5	<5	<10	<5	<5	<5	68	<5	<5	400	<5	<10	380	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-24	1-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	56	<25	<25	260	<25	<50	340	25	<50	<25	98	<500	<50	<25	<25	<25	<500	<5		
MW-24 (dup)	1-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	68	<25	<25	340	<25	<50	170	33	<50	<25	131	<500	<50	<25	<25	<25	<500	<5		
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MW-24	3-Dec-01	<5	<5	<5	<5	<10	<5	5	<5	33	<5	<5	<5	<5	<10	12	<5	<5	8	10	<100	<10	<5	<5	<5	<100	<10		<15
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MW-28	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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MW-28	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-28	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-28	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-28	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-28d	1-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
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MW-28d	9-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	20		
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MW-28d (dup)	12-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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MW-28d	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-28d	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	94		
MW-28d	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	46		<15
MW-28d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-28d	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	36		<15
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Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-29	4-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-29	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	4-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-29d	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d (dup)	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	9-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	37		
MW-29d	12-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	9-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-29d	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-29d	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	18-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	5-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-29d	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	4-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-30	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-30	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-30	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-30	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-30	12-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-30	9-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-30	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-30	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-30	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	5-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-30	28-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	1-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-31	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.1		
MW-31	11-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31	8-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-31	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-31	13-Apr-00	<5	<5	<5	<5	<10	13	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	19-Dec-00	<5	<5	<5	<5	<10	25	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	17-Apr-01	<5	<5	<5	<5	<10	21	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	6-Dec-01	<5	<5	<5	<5	<10	54	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	11-Apr-02	<5	<5	<5	<5	<10	37	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	6-Nov-02	<5	<5	<5	<5	<10	43	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	18-Apr-03	<5	<5	<5	<5	<10	32	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	5-Nov-03	<5	<5	<5	<5	<10	40	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	28-Apr-04	<5	<5	<5	<5	<10	32.5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	1-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-31d	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31d	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31d	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31d	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		
MW-31d	11-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31d	8-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-31d	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10	<10	
MW-31d	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	41		
MW-31d	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	18-Apr-01	<5	<5	<5	<5	<10	7	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	6-Dec-01	<5	<5	<5	<5	<10	14	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	11-Apr-02	<5	<5	<5	<5	<10	23	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	6-Nov-02	<5	<5	<5	<5	<10	31	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	18-Apr-03	<5	<5	<5	<5	<10	26	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	5-Nov-03	<5	<5	<5	<5	<10	34	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	28-Apr-04	<5	<5	<5	<5	<10	38.5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-32	1-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-32	18-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	6-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-32	11-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	8-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-32	3-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-32	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	18-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	11		<15
MW-32	28-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	1-May-98	<5	<5	6.9	<5	<10	<5	<5	<5	5.3	<5	<5	6.9	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
TB-1a	18-Aug-98	<5	<5	9.8	7.6	20	<5	<5	<5	39	<5	<5	<5	<5	<10	22	<5	<10	7.5	23	<100	<10	<5	<5	<5	<100	NS		
TB-1a	9-Sep-98	<5	<5	11	7.9	21	<5	<5	<5	40	<5	<5	<5	<5	<10	22	<5	<10	7.7	20	<100	<10	<5	<5	<5	<100	NS		
TB-1a	7-Oct-98	<5	<5	11	7.1	17	<5	<5	<5	35	<5	<5	<5	<5	<10	16	<5	<10	8.2	13	<100	<10	<5	<5	<5	<100	NS		
TB-1a (dup)	7-Oct-98	<5	<5	11	7.2	17	<5	<5	<5	33	<5	<5	<5	<5	<10	16	<5	<10	8.3	17	<100	<10	<5	<5	<5	<100	NS		
TB-1a	9-Dec-98	<5	<5	8.2	<5	14	<5	<5	<5	23	<5	<5	<5	<5	<10	<10	<5	<10	5.3	11	<100	<10	<5	<5	<5	<100	<5.2		
TB-1a	11-Jan-99	<5	<5	11	5.0	16	<5	<5	<5	21	<5	<5	<5	<5	<10	<10	<5	<10	6.0	6	<100	<10	<5	<5	<5	<100	NS		
TB-1a	8-Feb-99	<5	<5	10	<5	15	<5	<5	<5	18	<5	<5	<5	<5	<10	<10	<5	<10	7.0	8	<100	<10	<5	<5	<5	<100	NS		
TB-1a	19-Apr-99	<5	<5	10	<5	10	<5	<5	<5	14	<5	<5	<5	<5	<10	<10	<5	<10	5.0	5	<100	<10	<5	<5	<5	<100	<10	<10	
TB-1a	3-Dec-99	<5	<5	10	<5	11	<5	<5	<5	19	<5	<5	<5	<5	<10	<10	<5	<10	6.0	9	<100	<10	<5	<5	<5	<100	<10		
TB-1a	13-Apr-00	<5	<5	8	5.0	11	<5	<5	<5	22	<5	<5	<5	<5	<10	<10	<5	<10	7.0	11	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	13	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	7	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	17-Apr-03	<5	<5	<5	6.0	<10	<5	<5	<5	30	<5	<5	<5	<5	<10	<10	<5	<10	7.0	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	4-Nov-03	<5	<5	<5	<5	<10	6	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	14-Apr-04	<5	<5	<5	<5	<10	20.4	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	6-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	6-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	18-Apr-03	<5	<5	<5	<5	<10	8	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	19		<15
TB-1a deep	28-Apr-04	<5	<5	<5	<5	<10	22	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-33	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-33	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-33	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-33	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-33	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.4		
MW-34	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-34	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	0.19	70	75	700	0.56	7	1000	2100	100	5	29	2.6	0.7	530	700	0.015	1400	0.0004	70	170	3	35/3.5[a]	5E-06
MW-34d	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	7.9		
MW-34d (dup)	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-34d	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.1		
MW-34d	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS	NS	NS
MW-34d	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34d	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	6.8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-35	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-35	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-35	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-35	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15

All units are in micrograms per liter (parts per billion).
* - Estimated Value
[a]- N.C. 2L interim standards are for individual isomers; interim standard for 3-methylphenol is 35 ug/l; interim standard for 4-methylphenol is 3.5 ug/l.
**-New background well.
--MW-10 was installed inside the landfill fence on April 1, 1998. MW-23D was installed on April 27, 1998. MW-5 was re-installed on July 24, 1998.
--MW-6d, -8d, -10d, TB-1a deep installed June 2001.
--MW-5R was installed on January 30, 2004.
- No Data
- Concentration exceeds N.C. Groundwater Standards (2L).
* - Estimated Value

Table 5
Statistically Significant Constituents Over Background
North Wake Unlined Landfill

WELL	PARAMETERS EXCEEDING 2L STANDARDS - APPENDIX I and II April 2004	PARAMETERS STATISTICALLY OVER BACKGROUND - APPENDIX I and II April 2004
MW-11	none	Designated Shallow Background Well
MW-11d	none	Designated Deep Background Well
MW-5	cobalt*, toluene	none
MW-5R	arsenic	cis-1,2-dichloroethene, 1,4-dichlorobenzene, 1,1-dichloroethane
MW-6	arsenic, cobalt*	mercury, cis-1,2-dichloroethene
MW-6d	none	none
MW-7	arsenic, cobalt*	cis-1,2-dichloroethene
MW-8	none	cis-1,2-dichloroethene
MW-8d	none	none
MW-9	arsenic, cobalt*, benzene	benzene, toluene, 1,1-dichloroethane, 1,4-dichlorobenzene, ethyl benzene, cis-1,2-dichloroethene, total xylenes, dichlorodifluoromethane
MW-10	bis (2-ethylhexyl) phthalate	none
MW-10d	none	1,1-dichloroethane, bis (2-ethylhexyl) phthalate
MW-22	none	none
MW-23	none	none
MW-23d	none	none
MW-24	none	1,1-dichloroethane
MW-27	none	none
MW-28	none	none
MW-28d	bis (2-ethylhexyl) phthalate	bis (2-ethylhexyl) phthalate
MW-29d	none	none
MW-30	none	none
MW-31	chloroform	chloroform
MW-31d	chloroform	chloroform
MW-32	cobalt*	cobalt*
TB-1a	chloroform	none
TB-1a deep	chloroform	none
MW-33	none	chromium
MW-34	thallium	none
MW-34d	none	1,1-dichloroethane
MW-35	none	none

-*Constituent exceeds Groundwater Protection Standard - Currently no 2L Standard.

Table 6
Geochemical Data
North Wake Unlined Landfill

background

Monitor Well	Sample Date	ORP (mV)	pH	Temperature (C)	Conductivity (uS)	Dissolved Oxygen (mg/l)	Methane (ug/l)	Chloride	Nitrate	OrthoPhosphate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Ammonia	Free Chlorine	Carbon Dioxide	Ferrous Iron
MW-11	8-Dec-98	156.2	5.57	15.7	61	6.03		3.5	0.6	<0.05	2.1	21	40	<10	ND		<0.2	0.17	50	0.02
MW-11	18-Dec-00	742	5.69	15.6	78															
MW-11	18-Apr-01		6.80	15.0	57															
MW-11	27-Nov-01		5.48	17.1	70															
MW-11	5-Apr-02		6.19	16.2	60															
MW-11	5-Nov-02		6.14	15.6	73															
MW-11	15-Apr-03		6.36	17.3	54															
MW-11	29-Oct-03		6.47	17.4	55															
MW-11	21-Apr-04		5.31	16.5	56															
MW-11d	8-Dec-98	123.0	6.03	15.7	78	4.68		3.0	0.58	<0.05	0.64	14	60	<10	ND		<0.2	0.02	30	ND
MW-11d	18-Dec-00	154	5.26	15.5	87															
MW-11d	18-Apr-01		6.91	15.7	69															
MW-11d	27-Nov-01		5.21	17.5	70															
MW-11d	5-Apr-02		6.97	15.5	74															
MW-11d	5-Nov-02		6.26	15.9	75															
MW-11d	15-Apr-03		6.98	17.2	74															
MW-11d	29-Oct-03		6.87	17.1	74															
MW-11d	21-Apr-04		5.79	16.6	74															
MW-5	3-Dec-98		5.70	16.9	166			5.6												
MW-5	20-Dec-00	38	5.40	16.0	203		4500	13.4	0.07		2.7			<2		<0.01			141	<0.2
MW-5	16-Apr-01	85	5.20	17.2	210		<7.2	8.5	<.2		8.8			6.8		<0.01			141	1.07
MW-5	3-Dec-01	103	5.68	16.7	125		1600	5.2	<.2		<0.5			1.7		<0.01			79.2	<0.2
MW-5	12-Apr-02	43	5.54	16.9	190		2400	3.3			<0.5			4.1		<0.01			44	3.7
MW-5	5-Nov-02	65	5.72	17.4	181		1500	8.7	0.34		1.2			4.7		<0.01			244	<0.2
MW-5	17-Apr-03	-138	6.08	16.7	402	0.79	6600	13	<0.2		13.7			4.1		<0.01			9	<0.2
MW-5	4-Nov-03	-142	5.60	20.3	3390	0.14	3200	19	<0.2		1474			<0.3		<0.01			2055	18.5
MW-5	14-Apr-04	-35	6.30	16.7	1710	1.92	4040	8.19	<0.3		13.8			0.444		0.08			286	<0.2
MW-6	3-Dec-98		5.71	18.0	118			6.8												
MW-6	19-Dec-00	156	5.54	16.1	92		669	9.12	0.05		5.9			<2		<0.01			57	<0.2
MW-6	16-Apr-01	97	5.05	15.5	73		450	7.5	<.2		7.7			0.66		<0.01			47	<0.2
MW-6	3-Dec-01	136	5.88	17.2	68		470	6.4	<.2		<0.5			0.34		<0.01			30.8	<0.2
MW-6	12-Apr-02	174	5.47	15.6	79		800	7.3			<0.5			0.46		<0.01			35	<0.2
MW-6	5-Nov-02	73	5.58	19.2	98		1500	11	0.36		2.1			0.74		<0.01			83	<0.2
MW-6	17-Apr-03	234	5.79	16.3	209	0.59	2400	12	0.48		10.4			0.47		<0.01			9	<0.2
MW-6	4-Nov-03	41	4.80	19.1	495	0.25	640	110	<0.2		8.5			1.2		<0.01			185	<0.2
MW-6	14-Apr-04	316	5.76	14.1	567	1.70	1450	190	<0.3		16.6			2.2		<0.01			330	<0.2
MW-8	3-Dec-98		5.75	18.0	145			7.3												
MW-8	20-Dec-00	66	5.42	16.4	100		<26	6.84	0.09		5.9			<2		<0.01			22	<0.2
MW-8	16-Apr-01	54	5.61	16.0	76		17	3.2	0.23		1.3			0.89		0.04			32	<0.2
MW-8	3-Dec-01	111	6.40	16.8	81		<7.2	3	<0.2		<0.5			0.61		0.01			39.6	<0.2
MW-8	12-Apr-02	51	6.00	16.2	76		42	3.5			<0.5			0.81		<0.01			31	<0.2
MW-8	5-Nov-02	44	6.05	18.7	82		11	3.4	0.42		0.7			1.1		0.06			29	<0.2
MW-8	17-Apr-03	171	6.30	16.6	76	1.70	<7.2	4	0.33		2.3			1.1		<0.01			13	<0.2
MW-8	4-Nov-03	127	5.15	18.4	105	1.68	22	3.9	<0.2		0.7			1		<0.01			44	<0.2
MW-8	14-Apr-04	235	5.86	15.0	96	1.58	371	3.82	<0.3		2.2			0.912		<0.01			52.8	<0.2
MW-9	3-Dec-98		6.27	16.1	416			15												
MW-9	20-Dec-00	102	4.79	15.7	513		3340	21.9	0.09		12.3			<2		<0.01			176	<0.2
MW-9	16-Apr-01	64	5.79	17.3	415		790	19	0.24		5.5			0.75		<0.01			121	1.28
MW-9	3-Dec-01	21	6.41	16.1	483		2700	24	<0.2		<0.5			0.38		<0.01			123	2.5
MW-9	12-Apr-02	77	6.11	17.3	517		1200	29			<0.5			0.32		<0.01			136	9.8
MW-9	5-Nov-02	39	6.16	16.6	521		470	24	<0.2		5.7			0.66		<0.01			236	1.67
MW-9	17-Apr-03	-106	6.39	18.6	593	0.25	1900	36	<0.2		30.3			0.42		<0.01			44	6.3
MW-9	4-Nov-03	-110	5.76	17.2	891	0.14	1800	53	<0.2		14.2			0.46		<0.01			312	1.48
MW-9	14-Apr-04	58	6.33	16.6	644	0.81	3500	92.5	<0.3		13.3			0.386		<0.01			299.2	<0.2

Table 6
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Temperature (C)	Conductivity (uS)	Dissolved Oxygen (mg/l)	Methane (ug/l)	Chloride	Nitrate	OrthoPhosphate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Ammonia	Free Chlorine	Carbon Dioxide	Ferrous Iron
MW-10	3-Dec-98		5.85	15.7	204			6.8												
MW-10	20-Dec-00	76	5.27	15.1	166		372	10.6	1.5		3.7			<2		<0.01			26	<0.2
MW-10	17-Apr-01	81	5.24	15.7	126		320	5.4	2.2		5.3			1.2		<.1			101	<0.2
MW-10	3-Dec-01	146	5.88	15.4	115		<7.2	4.2	1.6		<0.5			3		<0.01			35.2	<0.2
MW-10	12-Apr-02	98	5.58	16.7	122		300	4.9			<0.5			1.7		<0.01			35	<0.2
MW-10	5-Nov-02	74	5.54	16.1	158		770	5.4	2		1.8			2.9		0.03			216	<0.2
MW-10	17-Apr-03	240	5.11	17.5	110	0.44	2400	5	1.4		9.2			0.82		<0.01			13	<0.2
MW-10	4-Nov-03	90	4.90	17.0	116	0.16	<7.2	6.6	1		1.7			0.66		<0.01			145	<0.2
MW-10	14-Apr-04	349	5.83	15.9	107	0.52	341	7.3	1.3		7.8			0.78		<0.01			123	<0.2
MW-24	8-Dec-98	145.9	5.75	15.2	176	1.02		4.2	<0.05	<0.05	2.5	66	140	<10	2		<0.2	0.07	260	0.78
MW-24	20-Dec-00	67	5.61	14.7	178		4410	8.25	0.08		2.5			<2		<0.01			101	<0.2
MW-24	16-Apr-01	93	5.20	17.1	131		2500	4.2	0.28		5			0.59		<0.1			121	1.18
MW-24	3-Dec-01	103	5.83	15.2	153		2100	2.9	<0.2		<0.5			<0.3		<0.01			52.8	0.3
MW-24	12-Apr-02	17	5.59	16.9	153		1800	1.5			<0.5			<0.3		<0.01			92	0.6
MW-24	5-Nov-02	62	5.76	16.0	147		2200	0.56	<0.2		1.6			0.48		0.01			171	0.21
MW-24	17-Apr-03	10	5.79	17.7	117	0.50	88	3.6	0.33		4.4			0.35		<0.01			33	<0.2
MW-24	4-Nov-03	-20	4.92	16.9	122	0.42	17	2.9	<0.2		1.7			0.46		<0.01			141	<0.2
MW-24	14-Apr-04	178	6.29	15.9	90	2.09	139	2.94	<0.3		6.2			0.42		<0.01			88	<0.2
TB-1a	9-Dec-98	193.8	5.98	14.7	203	0.64		4.1	<0.05	<0.05	0.54	95	120	<10	2		<0.2	0.05	500	0.15
TB-1a	20-Dec-00	63	5.52	14.7	212		2470	6.6	0.09		3.3			<2		<0.01			62	<0.2
TB-1a	17-Apr-01	78	5.63	15.7	171		1500	5.1	0.29		2.4			0.58		0.1			99	<0.2
TB-1a	3-Dec-01	111	6.01	15.3	143		<7.2	3.1	<0.2		<0.5			<0.3		<0.01			52.8	<0.2
TB-1a	12-Apr-02	42	5.70	16.6	151		990	1.6			<0.5			<0.3		<0.01			84	<0.2
TB-1a	5-Nov-02	58	5.83	15.8	164		400	4.2	<0.2		0.7			0.47		<0.01			138	<0.2
TB-1a	17-Apr-03	163	5.82	16.1	176	0.54	17	6.1	0.79		8.5			0.82		0.03			4	<0.2
TB-1a	4-Nov-03	1	5.04	16.2	178	0.16	<7.2	7.5	<0.2		1.6			0.46		<0.01			213	<0.2
TB-1a	14-Apr-04	257	5.36	15.9	122	0.94	<7.2	8.47	<0.3		4.8			0.577		<0.01			101.2	<0.2

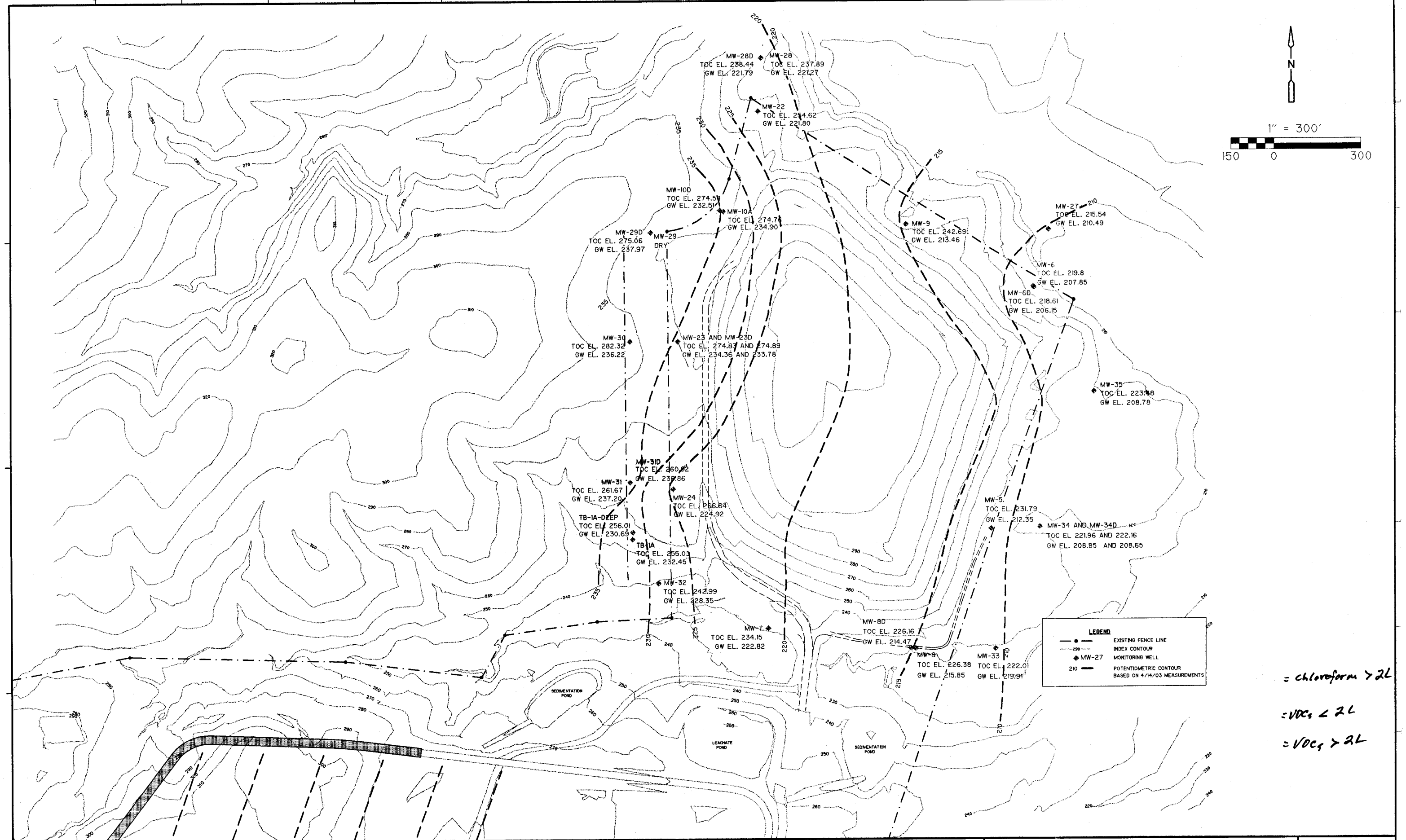
MW-11 & MW-11d are background wells for site.

All units are in milligrams per liter (parts per million), unless otherwise noted.

ND - Not Detected

-Blank Cells Indicate No Data Collected

-Field Tests Performed with HACH test kits



= chloroform > 2L

= VOCs < 2L

= VOCs > 2L

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: D. FORBES
DRAWN BY: J. KILLINGSWORTH
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
DATE: MAY 2004

CDM Camp Dresser & McKee
environmental services
office locations
5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612
Tel: (919) 787-5620 Fax: (919) 781-5730

WAKE COUNTY
NORTH CAROLINA

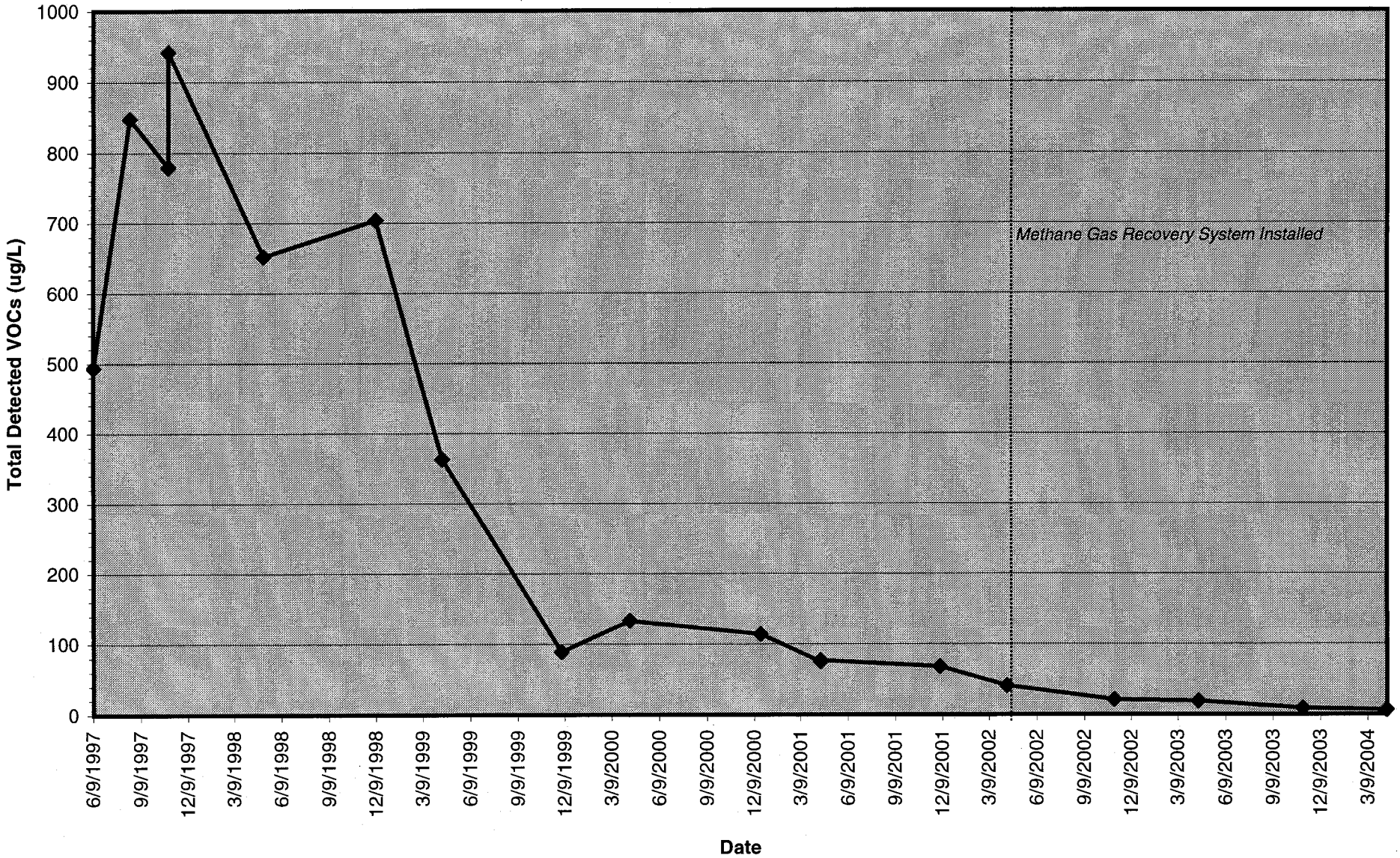
NORTH WAKE UNLINED LANDFILL

POTENTIOMETRIC CONTOUR MAP

PROJECT NO. 6172-40553
FILE NAME: NWGW4-14-04.dwg

SHEET NO.
1

Figure 2
MW-24
Total Detected Volatile Organic Compounds Vs. Time
North Wake Unlined Landfill
Raleigh, North Carolina



CDM

Appendix A

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-11
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-1A
Lab Project ID: G175-419

Analyzed By: JTF
Date Collected: 04/21/2004 10:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/24/2004
Acrylonitrile	BQL	200	1	04/24/2004
Benzene	BQL	5.00	1	04/24/2004
Bromochloromethane	BQL	5.00	1	04/24/2004
Bromodichloromethane	BQL	5.00	1	04/24/2004
Bromoform	BQL	5.00	1	04/24/2004
Methyl bromide	BQL	10.0	1	04/24/2004
MEK (2-Butanone)	BQL	100	1	04/24/2004
Carbon disulfide	BQL	100	1	04/24/2004
Carbon tetrachloride	BQL	10.0	1	04/24/2004
Chlorobenzene	BQL	5.00	1	04/24/2004
Chloroethane	BQL	10.0	1	04/24/2004
Chloroform	BQL	5.00	1	04/24/2004
Methyl chloride	BQL	10.0	1	04/24/2004
Chlorodibromomethane	BQL	5.00	1	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/24/2004
Methylene bromide	BQL	10.0	1	04/24/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/24/2004
o-Dichlorobenzene	BQL	5.00	1	04/24/2004
p-Dichlorobenzene	BQL	5.00	1	04/24/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/24/2004
1,1-Dichloroethane	BQL	5.00	1	04/24/2004
Vinylidene chloride	BQL	5.00	1	04/24/2004
Ethylene dichloride	BQL	5.00	1	04/24/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/24/2004
t-1,2-dichloroethene	BQL	5.00	1	04/24/2004
Propylene Dichloride	BQL	5.00	1	04/24/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
Dichlorodifluoromethane	BQL	5.00	1	04/24/2004
Ethylbenzene	BQL	5.00	1	04/24/2004
Methyl butyl ketone	BQL	50.0	1	04/24/2004
Methyl iodide	BQL	10.0	1	04/24/2004
Methylene chloride	BQL	10.0	1	04/24/2004
Methyl isobutyl ketone	BQL	100	1	04/24/2004
Styrene	BQL	10.0	1	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
Tetrachloroethylene	BQL	5.00	1	04/24/2004
Toluene	BQL	5.00	1	04/24/2004
Trichloroethene	BQL	5.00	1	04/24/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-11
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-1A
Lab Project ID: G175-419

Analyzed By: JTF
Date Collected: 04/21/2004 10:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/24/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/24/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/24/2004
Vinyl acetate	BQL	50.0	1	04/24/2004
Vinyl chloride	BQL	10.0	1	04/24/2004
m-,p-Xylene	BQL	2.00	1	04/24/2004
o-Xylene	BQL	2.00	1	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	9.99	100
Toluene-d8	10	10.3	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mr

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-11d
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-2A
Lab Project ID: G175-419

Analyzed By: JTF
Date Collected: 04/21/2004 10:50
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/24/2004
Acrylonitrile	BQL	200	1	04/24/2004
Benzene	BQL	5.00	1	04/24/2004
Bromochloromethane	BQL	5.00	1	04/24/2004
Bromodichloromethane	BQL	5.00	1	04/24/2004
Bromoform	BQL	5.00	1	04/24/2004
Methyl bromide	BQL	10.0	1	04/24/2004
MEK (2-Butanone)	BQL	100	1	04/24/2004
Carbon disulfide	BQL	100	1	04/24/2004
Carbon tetrachloride	BQL	10.0	1	04/24/2004
Chlorobenzene	BQL	5.00	1	04/24/2004
Chloroethane	BQL	10.0	1	04/24/2004
Chloroform	BQL	5.00	1	04/24/2004
Methyl chloride	BQL	10.0	1	04/24/2004
Chlorodibromomethane	BQL	5.00	1	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/24/2004
Methylene bromide	BQL	10.0	1	04/24/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/24/2004
o-Dichlorobenzene	BQL	5.00	1	04/24/2004
p-Dichlorobenzene	BQL	5.00	1	04/24/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/24/2004
1,1-Dichloroethane	BQL	5.00	1	04/24/2004
Vinylidene chloride	BQL	5.00	1	04/24/2004
Ethylene dichloride	BQL	5.00	1	04/24/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/24/2004
t-1,2-dichloroethene	BQL	5.00	1	04/24/2004
Propylene Dichloride	BQL	5.00	1	04/24/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
Dichlorodifluoromethane	BQL	5.00	1	04/24/2004
Ethylbenzene	BQL	5.00	1	04/24/2004
Methyl butyl ketone	BQL	50.0	1	04/24/2004
Methyl iodide	BQL	10.0	1	04/24/2004
Methylene chloride	BQL	10.0	1	04/24/2004
Methyl isobutyl ketone	BQL	100	1	04/24/2004
Styrene	BQL	10.0	1	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
Tetrachloroethylene	BQL	5.00	1	04/24/2004
Toluene	BQL	5.00	1	04/24/2004
Trichloroethene	BQL	5.00	1	04/24/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-11d
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-2A
Lab Project ID: G175-419

Analyzed By: JTF
Date Collected: 04/21/2004 10:50
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/24/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/24/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/24/2004
Vinyl acetate	BQL	50.0	1	04/24/2004
Vinyl chloride	BQL	10.0	1	04/24/2004
m-,p-Xylene	BQL	2.00	1	04/24/2004
o-Xylene	BQL	2.00	1	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.3	103
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10.3	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-11	Analyzed By:	PSW
Client Project ID:	N. Wake Lined L.F.	Date Collected:	4/21/2004 10:00
Lab Sample ID:	G175-419-1D	Date Received:	4/22/04
Lab Project ID:	G175-419	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: mmc

Results for Metals

Client Sample ID:	MW-11d	Analyzed By:	PSW
Client Project ID:	N. Wake Lined L.F.	Date Collected:	4/21/2004 10:50
Lab Sample ID:	G175-419-2D	Date Received:	4/22/04
Lab Project ID:	G175-419	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: MC

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-11
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-1F
Lab Project ID: G175-419

Analyzed By: MRC
Date Collected: 04/21/2004 10:00
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/29/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	10.3	103

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: mc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-11d
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-419-2F
Lab Project ID: G175-419

Analyzed By: MRC
Date Collected: 04/21/2004 10:50
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/29/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
Nitrobenzene-d5	10	8.2	82
4-Terphenyl-d14	10	8.4	84

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: JWU

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: SW-2
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-413-14A
Lab Project ID: G175-413

Analyzed By: JTF
Date Collected: 04/08/2004 11:00
Date Received: 04-09-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/12/2004
Acrylonitrile	BQL	200	1	04/12/2004
Benzene	BQL	5.00	1	04/12/2004
Bromochloromethane	BQL	5.00	1	04/12/2004
Bromodichloromethane	BQL	5.00	1	04/12/2004
Bromoform	BQL	5.00	1	04/12/2004
Methyl bromide	BQL	10.0	1	04/12/2004
MEK (2-Butanone)	BQL	100	1	04/12/2004
Carbon disulfide	BQL	100	1	04/12/2004
Carbon tetrachloride	BQL	10.0	1	04/12/2004
Chlorobenzene	BQL	5.00	1	04/12/2004
Chloroethane	BQL	10.0	1	04/12/2004
Chloroform	BQL	5.00	1	04/12/2004
Methyl chloride	BQL	10.0	1	04/12/2004
Chlorodibromomethane	BQL	5.00	1	04/12/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/12/2004
Methylene bromide	BQL	10.0	1	04/12/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/12/2004
o-Dichlorobenzene	BQL	5.00	1	04/12/2004
p-Dichlorobenzene	BQL	5.00	1	04/12/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/12/2004
1,1-Dichloroethane	BQL	5.00	1	04/12/2004
Ethylene dichloride	BQL	5.00	1	04/12/2004
Vinylidene chloride	BQL	5.00	1	04/12/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/12/2004
t-1,2-dichloroethene	BQL	5.00	1	04/12/2004
Propylene Dichloride	BQL	5.00	1	04/12/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/12/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/12/2004
Ethylbenzene	BQL	5.00	1	04/12/2004
Methyl butyl ketone	BQL	50.0	1	04/12/2004
Methyl iodide	BQL	10.0	1	04/12/2004
Methylene chloride	BQL	10.0	1	04/12/2004
Methyl isobutyl ketone	BQL	100	1	04/12/2004
Styrene	BQL	10.0	1	04/12/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/12/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/12/2004
Tetrachloroethylene	BQL	5.00	1	04/12/2004
Toluene	BQL	5.00	1	04/12/2004
Trichloroethene	BQL	5.00	1	04/12/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/12/2004
1,1,2-Trichloroethane	BQL	5.00	1	04/12/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: SW-2
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-413-14A
Lab Project ID: G175-413

Analyzed By: JTF
Date Collected: 04/08/2004 11:00
Date Received: 04-09-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/12/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/12/2004
Vinyl acetate	BQL	50.0	1	04/12/2004
Vinyl chloride	BQL	10.0	1	04/12/2004
m-,p-Xylene	BQL	2.00	1	04/12/2004
o-Xylene	BQL	2.00	1	04/12/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.5	105
1,2-Dichloroethane-d4	10	9.87	99
Toluene-d8	10	10.4	104

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: SW-3
Client Project ID: N. Wake Lined L.F.
Lab Sample ID: G175-413-17A
Lab Project ID: G175-413

Analyzed By: JTF
Date Collected: 04/08/2004 12:45
Date Received: 04-09-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/13/2004
Acrylonitrile	BQL	200	1	04/13/2004
Benzene	BQL	5.00	1	04/13/2004
Bromochloromethane	BQL	5.00	1	04/13/2004
Bromodichloromethane	BQL	5.00	1	04/13/2004
Bromoform	BQL	5.00	1	04/13/2004
Methyl bromide	BQL	10.0	1	04/13/2004
MEK (2-Butanone)	BQL	100	1	04/13/2004
Carbon disulfide	BQL	100	1	04/13/2004
Carbon tetrachloride	BQL	10.0	1	04/13/2004
Chlorobenzene	BQL	5.00	1	04/13/2004
Chloroethane	BQL	10.0	1	04/13/2004
Chloroform	BQL	5.00	1	04/13/2004
Methyl chloride	BQL	10.0	1	04/13/2004
Chlorodibromomethane	BQL	5.00	1	04/13/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/13/2004
Methylene bromide	BQL	10.0	1	04/13/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/13/2004
o-Dichlorobenzene	BQL	5.00	1	04/13/2004
p-Dichlorobenzene	BQL	5.00	1	04/13/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/13/2004
1,1-Dichloroethane	BQL	5.00	1	04/13/2004
Ethylene dichloride	BQL	5.00	1	04/13/2004
Vinylidene chloride	BQL	5.00	1	04/13/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/13/2004
t-1,2-dichloroethene	BQL	5.00	1	04/13/2004
Propylene Dichloride	BQL	5.00	1	04/13/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/13/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/13/2004
Ethylbenzene	BQL	5.00	1	04/13/2004
Methyl butyl ketone	BQL	50.0	1	04/13/2004
Methyl iodide	BQL	10.0	1	04/13/2004
Methylene chloride	BQL	10.0	1	04/13/2004
Methyl isobutyl ketone	BQL	100	1	04/13/2004
Styrene	BQL	10.0	1	04/13/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/13/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/13/2004
Tetrachloroethylene	BQL	5.00	1	04/13/2004
Toluene	BQL	5.00	1	04/13/2004
Trichloroethene	BQL	5.00	1	04/13/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/13/2004
1,1,2-Trichloroethane	BQL	5.00	1	04/13/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 11:55
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/16/2004
Acrylonitrile	BQL	200	1	04/16/2004
Benzene	BQL	5.00	1	04/16/2004
Bromochloromethane	BQL	5.00	1	04/16/2004
Bromodichloromethane	BQL	5.00	1	04/16/2004
Bromoform	BQL	5.00	1	04/16/2004
Methyl bromide	BQL	10.0	1	04/16/2004
MEK (2-Butanone)	BQL	100	1	04/16/2004
Carbon disulfide	BQL	100	1	04/16/2004
Carbon tetrachloride	BQL	10.0	1	04/16/2004
Chlorobenzene	BQL	5.00	1	04/16/2004
Chloroethane	BQL	10.0	1	04/16/2004
Chloroform	BQL	5.00	1	04/16/2004
Methyl chloride	BQL	10.0	1	04/16/2004
Chlorodibromomethane	BQL	5.00	1	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/16/2004
Methylene bromide	BQL	10.0	1	04/16/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/16/2004
o-Dichlorobenzene	BQL	5.00	1	04/16/2004
p-Dichlorobenzene	BQL	5.00	1	04/16/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/16/2004
1,1-Dichloroethane	**6.47**	5.00	1	04/16/2004
Ethylene dichloride	BQL	5.00	1	04/16/2004
Vinylidene chloride	BQL	5.00	1	04/16/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/16/2004
t-1,2-dichloroethene	BQL	5.00	1	04/16/2004
Propylene Dichloride	BQL	5.00	1	04/16/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
Dichlorodifluoromethane	BQL	5.00	1	04/16/2004
Ethylbenzene	BQL	5.00	1	04/16/2004
Methyl butyl ketone	BQL	50.0	1	04/16/2004
Methyl iodide	BQL	10.0	1	04/16/2004
Methylene chloride	BQL	10.0	1	04/16/2004
Methyl isobutyl ketone	BQL	100	1	04/16/2004
Styrene	BQL	10.0	1	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
Tetrachloroethylene	BQL	5.00	1	04/16/2004
Toluene	BQL	5.00	1	04/16/2004
Trichloroethene	BQL	5.00	1	04/16/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 11:55
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/16/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/16/2004
Vinyl acetate	BQL	50.0	1	04/16/2004
Vinyl chloride	BQL	10.0	1	04/16/2004
m-,p-Xylene	BQL	2.00	1	04/16/2004
o-Xylene	BQL	2.00	1	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.96	100
1,2-Dichloroethane-d4	10	9.85	98
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 13:00
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/16/2004
Acrylonitrile	BQL	200	1	04/16/2004
Benzene	BQL	5.00	1	04/16/2004
Bromochloromethane	BQL	5.00	1	04/16/2004
Bromodichloromethane	BQL	5.00	1	04/16/2004
Bromoform	BQL	5.00	1	04/16/2004
Methyl bromide	BQL	10.0	1	04/16/2004
MEK (2-Butanone)	BQL	100	1	04/16/2004
Carbon disulfide	BQL	100	1	04/16/2004
Carbon tetrachloride	BQL	10.0	1	04/16/2004
Chlorobenzene	BQL	5.00	1	04/16/2004
Chloroethane	BQL	10.0	1	04/16/2004
Chloroform	BQL	5.00	1	04/16/2004
Methyl chloride	BQL	10.0	1	04/16/2004
Chlorodibromomethane	BQL	5.00	1	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/16/2004
Methylene bromide	BQL	10.0	1	04/16/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/16/2004
o-Dichlorobenzene	BQL	5.00	1	04/16/2004
p-Dichlorobenzene	BQL	5.00	1	04/16/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/16/2004
1,1-Dichloroethane	BQL	5.00	1	04/16/2004
Ethylene dichloride	BQL	5.00	1	04/16/2004
Vinylidene chloride	BQL	5.00	1	04/16/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/16/2004
t-1,2-dichloroethene	BQL	5.00	1	04/16/2004
Propylene Dichloride	BQL	5.00	1	04/16/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
Dichlorodifluoromethane	BQL	5.00	1	04/16/2004
Ethylbenzene	BQL	5.00	1	04/16/2004
Methyl butyl ketone	BQL	50.0	1	04/16/2004
Methyl iodide	BQL	10.0	1	04/16/2004
Methylene chloride	BQL	10.0	1	04/16/2004
Methyl isobutyl ketone	BQL	100	1	04/16/2004
Styrene	BQL	10.0	1	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
Tetrachloroethylene	BQL	5.00	1	04/16/2004
Toluene	BQL	5.00	1	04/16/2004
Trichloroethene	BQL	5.00	1	04/16/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 13:00
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/16/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/16/2004
Vinyl acetate	BQL	50.0	1	04/16/2004
Vinyl chloride	BQL	10.0	1	04/16/2004
m-,p-Xylene	BQL	2.00	1	04/16/2004
o-Xylene	BQL	2.00	1	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	9.92	99
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 14:20
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	2	04/16/2004
Acrylonitrile	BQL	50.0	2	04/16/2004
Benzene	**5.86**	2.00	2	04/16/2004
Bromochloromethane	BQL	2.00	2	04/16/2004
Bromodichloromethane	BQL	2.00	2	04/16/2004
Bromoform	BQL	2.00	2	04/16/2004
Methyl bromide	BQL	2.00	2	04/16/2004
MEK (2-Butanone)	BQL	10.0	2	04/16/2004
Carbon disulfide	BQL	2.00	2	04/16/2004
Carbon tetrachloride	BQL	2.00	2	04/16/2004
Chlorobenzene	BQL	2.00	2	04/16/2004
Chloroethane	BQL	2.00	2	04/16/2004
Chloroform	BQL	2.00	2	04/16/2004
Methyl chloride	BQL	2.00	2	04/16/2004
Chlorodibromomethane	BQL	2.00	2	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	10.0	2	04/16/2004
Methylene bromide	BQL	2.00	2	04/16/2004
Ethylene dibromide (EDB)	BQL	2.00	2	04/16/2004
o-Dichlorobenzene	BQL	2.00	2	04/16/2004
p-Dichlorobenzene	**5.48**	2.00	2	04/16/2004
t-1,4-Dichloro-2-butene	BQL	10.0	2	04/16/2004
1,1-Dichloroethane	**96.2**	2.00	2	04/16/2004
Vinylidene chloride	BQL	2.00	2	04/16/2004
Ethylene dichloride	BQL	2.00	2	04/16/2004
cis-1,2-Dichloroethene	**27.3**	2.00	2	04/16/2004
t-1,2-dichloroethene	BQL	2.00	2	04/16/2004
Propylene Dichloride	BQL	2.00	2	04/16/2004
cis-1,3-Dichloropropene	BQL	2.00	2	04/16/2004
t-1,3-Dichloropropene	BQL	2.00	2	04/16/2004
Dichlorodifluoromethane	**11.8**	2.00	2	04/16/2004
Ethylbenzene	**2.48**	2.00	2	04/16/2004
Methyl butyl ketone	BQL	10.0	2	04/16/2004
Methyl iodide	BQL	2.00	2	04/16/2004
Methylene chloride	BQL	2.00	2	04/16/2004
Methyl isobutyl ketone	BQL	10.0	2	04/16/2004
Styrene	BQL	2.00	2	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	2.00	2	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	2.00	2	04/16/2004
Tetrachloroethylene	BQL	2.00	2	04/16/2004
Toluene	**14.6**	2.00	2	04/16/2004
Trichloroethene	BQL	2.00	2	04/16/2004
1,1,1-Trichloroethane	BQL	2.00	2	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 14:20
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	2.00	2	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	2.00	2	04/16/2004
1,2,3-Trichloropropane	BQL	2.00	2	04/16/2004
Vinyl acetate	BQL	2.00	2	04/16/2004
Vinyl chloride	**6.18**	2.00	2	04/16/2004
m-,p-Xylene	**4.04**	4.00	2	04/16/2004
o-Xylene	**3.38**	2.00	2	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: JW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-4A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 15:10
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/16/2004
Acrylonitrile	BQL	200	1	04/16/2004
Benzene	BQL	5.00	1	04/16/2004
Bromochloromethane	BQL	5.00	1	04/16/2004
Bromodichloromethane	BQL	5.00	1	04/16/2004
Bromoform	BQL	5.00	1	04/16/2004
Methyl bromide	BQL	10.0	1	04/16/2004
MEK (2-Butanone)	BQL	100	1	04/16/2004
Carbon disulfide	BQL	100	1	04/16/2004
Carbon tetrachloride	BQL	10.0	1	04/16/2004
Chlorobenzene	BQL	5.00	1	04/16/2004
Chloroethane	BQL	10.0	1	04/16/2004
Chloroform	BQL	5.00	1	04/16/2004
Methyl chloride	BQL	10.0	1	04/16/2004
Chlorodibromomethane	BQL	5.00	1	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/16/2004
Methylene bromide	BQL	10.0	1	04/16/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/16/2004
o-Dichlorobenzene	BQL	5.00	1	04/16/2004
p-Dichlorobenzene	BQL	5.00	1	04/16/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/16/2004
1,1-Dichloroethane	BQL	5.00	1	04/16/2004
Ethylene dichloride	BQL	5.00	1	04/16/2004
Vinylidene chloride	BQL	5.00	1	04/16/2004
cis-1,2-Dichloroethene	**5.70**	5.00	1	04/16/2004
t-1,2-dichloroethene	BQL	5.00	1	04/16/2004
Propylene Dichloride	BQL	5.00	1	04/16/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
Dichlorodifluoromethane	BQL	5.00	1	04/16/2004
Ethylbenzene	BQL	5.00	1	04/16/2004
Methyl butyl ketone	BQL	50.0	1	04/16/2004
Methyl iodide	BQL	10.0	1	04/16/2004
Methylene chloride	BQL	10.0	1	04/16/2004
Methyl isobutyl ketone	BQL	100	1	04/16/2004
Styrene	BQL	10.0	1	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
Tetrachloroethylene	BQL	5.00	1	04/16/2004
Toluene	BQL	5.00	1	04/16/2004
Trichloroethene	BQL	5.00	1	04/16/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-4A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 15:10
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/16/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/16/2004
Vinyl acetate	BQL	50.0	1	04/16/2004
Vinyl chloride	BQL	10.0	1	04/16/2004
m-,p-Xylene	BQL	2.00	1	04/16/2004
o-Xylene	BQL	2.00	1	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	9.92	99
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: hmc

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-5A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 16:00
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	4	04/16/2004
Acrylonitrile	BQL	100	4	04/16/2004
Benzene	BQL	4.00	4	04/16/2004
Bromochloromethane	BQL	4.00	4	04/16/2004
Bromodichloromethane	BQL	4.00	4	04/16/2004
Bromoform	BQL	4.00	4	04/16/2004
Methyl bromide	BQL	4.00	4	04/16/2004
MEK (2-Butanone)	BQL	20.0	4	04/16/2004
Carbon disulfide	BQL	4.00	4	04/16/2004
Carbon tetrachloride	BQL	4.00	4	04/16/2004
Chlorobenzene	BQL	4.00	4	04/16/2004
Chloroethane	BQL	4.00	4	04/16/2004
Chloroform	BQL	4.00	4	04/16/2004
Methyl chloride	BQL	4.00	4	04/16/2004
Chlorodibromomethane	BQL	4.00	4	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	20.0	4	04/16/2004
Methylene bromide	BQL	4.00	4	04/16/2004
Ethylene dibromide (EDB)	BQL	4.00	4	04/16/2004
o-Dichlorobenzene	BQL	4.00	4	04/16/2004
p-Dichlorobenzene	BQL	4.00	4	04/16/2004
t-1,4-Dichloro-2-butene	BQL	20.0	4	04/16/2004
1,1-Dichloroethane	BQL	4.00	4	04/16/2004
Vinylidene chloride	BQL	4.00	4	04/16/2004
Ethylene dichloride	BQL	4.00	4	04/16/2004
cis-1,2-Dichloroethene	BQL	4.00	4	04/16/2004
t-1,2-dichloroethene	BQL	4.00	4	04/16/2004
Propylene Dichloride	BQL	4.00	4	04/16/2004
cis-1,3-Dichloropropene	BQL	4.00	4	04/16/2004
t-1,3-Dichloropropene	BQL	4.00	4	04/16/2004
Dichlorodifluoromethane	BQL	4.00	4	04/16/2004
Ethylbenzene	BQL	4.00	4	04/16/2004
Methyl butyl ketone	BQL	20.0	4	04/16/2004
Methyl iodide	BQL	4.00	4	04/16/2004
Methylene chloride	BQL	4.00	4	04/16/2004
Methyl isobutyl ketone	BQL	20.0	4	04/16/2004
Styrene	BQL	4.00	4	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	4.00	4	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	4.00	4	04/16/2004
Tetrachloroethylene	BQL	4.00	4	04/16/2004
Toluene	**1000**	40.0	40	04/16/2004
Trichloroethene	BQL	4.00	4	04/16/2004
1,1,1-Trichloroethane	BQL	4.00	4	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-5A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 16:00
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	4.00	4	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	4.00	4	04/16/2004
1,2,3-Trichloropropane	BQL	4.00	4	04/16/2004
Vinyl acetate	BQL	4.00	4	04/16/2004
Vinyl chloride	BQL	4.00	4	04/16/2004
m-,p-Xylene	BQL	8.00	4	04/16/2004
o-Xylene	BQL	4.00	4	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.4	104
1,2-Dichloroethane-d4	10	9.89	99
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 16:40
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/16/2004
Acrylonitrile	BQL	200	1	04/16/2004
Benzene	BQL	5.00	1	04/16/2004
Bromochloromethane	BQL	5.00	1	04/16/2004
Bromodichloromethane	BQL	5.00	1	04/16/2004
Bromoform	BQL	5.00	1	04/16/2004
Methyl bromide	BQL	10.0	1	04/16/2004
MEK (2-Butanone)	BQL	100	1	04/16/2004
Carbon disulfide	BQL	100	1	04/16/2004
Carbon tetrachloride	BQL	10.0	1	04/16/2004
Chlorobenzene	BQL	5.00	1	04/16/2004
Chloroethane	BQL	10.0	1	04/16/2004
Chloroform	BQL	5.00	1	04/16/2004
Methyl chloride	BQL	10.0	1	04/16/2004
Chlorodibromomethane	BQL	5.00	1	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/16/2004
Methylene bromide	BQL	10.0	1	04/16/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/16/2004
o-Dichlorobenzene	BQL	5.00	1	04/16/2004
p-Dichlorobenzene	BQL	5.00	1	04/16/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/16/2004
1,1-Dichloroethane	BQL	5.00	1	04/16/2004
Ethylene dichloride	BQL	5.00	1	04/16/2004
Vinylidene chloride	BQL	5.00	1	04/16/2004
cis-1,2-Dichloroethene	**7.92**	5.00	1	04/16/2004
t-1,2-dichloroethene	BQL	5.00	1	04/16/2004
Propylene Dichloride	BQL	5.00	1	04/16/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
Dichlorodifluoromethane	BQL	5.00	1	04/16/2004
Ethylbenzene	BQL	5.00	1	04/16/2004
Methyl butyl ketone	BQL	50.0	1	04/16/2004
Methyl iodide	BQL	10.0	1	04/16/2004
Methylene chloride	BQL	10.0	1	04/16/2004
Methyl isobutyl ketone	BQL	100	1	04/16/2004
Styrene	BQL	10.0	1	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
Tetrachloroethylene	BQL	5.00	1	04/16/2004
Toluene	BQL	5.00	1	04/16/2004
Trichloroethene	BQL	5.00	1	04/16/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 16:40
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/16/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/16/2004
Vinyl acetate	BQL	50.0	1	04/16/2004
Vinyl chloride	BQL	10.0	1	04/16/2004
m-,p-Xylene	BQL	2.00	1	04/16/2004
o-Xylene	BQL	2.00	1	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.94	99
1,2-Dichloroethane-d4	10	9.99	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 17:45
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/16/2004
Acrylonitrile	BQL	200	1	04/16/2004
Benzene	BQL	5.00	1	04/16/2004
Bromochloromethane	BQL	5.00	1	04/16/2004
Bromodichloromethane	BQL	5.00	1	04/16/2004
Bromoform	BQL	5.00	1	04/16/2004
Methyl bromide	BQL	10.0	1	04/16/2004
MEK (2-Butanone)	BQL	100	1	04/16/2004
Carbon disulfide	BQL	100	1	04/16/2004
Carbon tetrachloride	BQL	10.0	1	04/16/2004
Chlorobenzene	BQL	5.00	1	04/16/2004
Chloroethane	BQL	10.0	1	04/16/2004
Chloroform	**20.4**	5.00	1	04/16/2004
Methyl chloride	BQL	10.0	1	04/16/2004
Chlorodibromomethane	BQL	5.00	1	04/16/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/16/2004
Methylene bromide	BQL	10.0	1	04/16/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/16/2004
o-Dichlorobenzene	BQL	5.00	1	04/16/2004
p-Dichlorobenzene	BQL	5.00	1	04/16/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/16/2004
1,1-Dichloroethane	BQL	5.00	1	04/16/2004
Ethylene dichloride	BQL	5.00	1	04/16/2004
Vinylidene chloride	BQL	5.00	1	04/16/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/16/2004
t-1,2-dichloroethene	BQL	5.00	1	04/16/2004
Propylene Dichloride	BQL	5.00	1	04/16/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/16/2004
Dichlorodifluoromethane	BQL	5.00	1	04/16/2004
Ethylbenzene	BQL	5.00	1	04/16/2004
Methyl butyl ketone	BQL	50.0	1	04/16/2004
Methyl iodide	BQL	10.0	1	04/16/2004
Methylene chloride	BQL	10.0	1	04/16/2004
Methyl isobutyl ketone	BQL	100	1	04/16/2004
Styrene	BQL	10.0	1	04/16/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/16/2004
Tetrachloroethylene	BQL	5.00	1	04/16/2004
Toluene	BQL	5.00	1	04/16/2004
Trichloroethene	BQL	5.00	1	04/16/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/16/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7A
Lab Project ID: G175-415

Analyzed By: JTF
Date Collected: 04/14/2004 17:45
Date Received: 04-15-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/16/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/16/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/16/2004
Vinyl acetate	BQL	50.0	1	04/16/2004
Vinyl chloride	BQL	10.0	1	04/16/2004
m-,p-Xylene	BQL	2.00	1	04/16/2004
o-Xylene	BQL	2.00	1	04/16/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.91	99
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Metals

Client Sample ID:	SW-2	Analyzed By:	RML
Client Project ID:	N. Wake Lined L.F.	Date Collected:	4/8/2004 11:00
Lab Sample ID:	G175-413-14D	Date Received:	4/9/04
Lab Project ID:	G175-413	Matrix:	Water
Batch ID:	3192		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/22/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/23/04
Barium	BQL	0.500	1	MG/L	6010B	4/22/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/22/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/22/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/22/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/22/04
Copper	BQL	0.200	1	MG/L	6010B	4/22/04
Lead	BQL	0.0100	1	MG/L	6010B	4/22/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/22/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/22/04
Silver	BQL	0.0100	1	MG/L	6010B	4/22/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/26/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/22/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/22/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	SW-3	Analyzed By:	RML
Client Project ID:	N. Wake Lined L.F.	Date Collected:	4/8/2004 12:45
Lab Sample ID:	G175-413-17D	Date Received:	4/9/04
Lab Project ID:	G175-413	Matrix:	Water
Batch ID:	3192		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/22/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/23/04
Barium	BQL	0.500	1	MG/L	6010B	4/22/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/22/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/22/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/22/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/22/04
Copper	BQL	0.200	1	MG/L	6010B	4/22/04
Lead	BQL	0.0100	1	MG/L	6010B	4/22/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/22/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/22/04
Silver	BQL	0.0100	1	MG/L	6010B	4/22/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/23/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/22/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/22/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: me

Results for Metals

Client Sample ID:	MW-24	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 11:55
Lab Sample ID:	G175-415-1D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-10	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 13:00
Lab Sample ID:	G175-415-2D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 14:20
Lab Sample ID:	G175-415-3D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	**0.0206**	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	**0.0118**	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: _____

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 15:10
Lab Sample ID:	G175-415-4D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	**0.0206**	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	**0.0481**	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	**0.000283**	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: _____

Results for Metals

Client Sample ID:	MW-5	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 16:00
Lab Sample ID:	G175-415-5D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	**0.00152**	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	**0.0553**	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: _____

Results for Metals

Client Sample ID:	MW-8	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 16:40
Lab Sample ID:	G175-415-6D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	**0.0198**	0.0100	1	MG/L	6010B	4/28/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: _____

Results for Metals

Client Sample ID:	TB-1A	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 17:45
Lab Sample ID:	G175-415-7D	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water
Batch ID:	3194 3197		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/28/04
Arsenic	BQL	0.0100	1	MG/L	6010B	4/28/04
Barium	BQL	0.500	1	MG/L	6010B	4/28/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/28/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/28/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/28/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/28/04
Copper	BQL	0.200	1	MG/L	6010B	4/28/04
Lead	BQL	0.0100	1	MG/L	6010B	4/28/04
Mercury	BQL	0.000250	1	MG/L	7470	4/20/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/28/04
Selenium	BQL	0.0200	1	MG/L	6010B	4/28/04
Silver	BQL	0.0100	1	MG/L	6010B	4/28/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/28/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/28/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/28/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: mwe

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 11:55
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/21/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	13	130

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mrc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 13:00
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	189	10.0	1	04/21/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	12.9	129

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 14:20
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	28.2	10.0	1	04/21/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	8.5	85
4-Terphenyl-d14	10	12	120

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-6
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-4E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 15:10
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/21/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9.5	95
4-Terphenyl-d14	10	12.3	123

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-5
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-5E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 16:00
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/22/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	12.5	125

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mmc

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 16:40
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/22/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	12	120

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7E
Lab Project ID: G175-415

Analyzed By: MRC
Date Collected: 04/14/2004 17:45
Date Received: 04/15/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/22/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	12	120

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: mc

Results for Organics
by EPA 3810

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1F
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 11:55
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	139.0	7.20	1	04-21-2004

Reviewed By: mc

Results for Organics
by EPA 3810

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2G
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 13:00
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	341.0	7.20	1	04-21-2004

Reviewed By: MJC

Results for Organics
by EPA 3810

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3F
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 14:20
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	3500.0	72.0	10	04-22-2004

Reviewed By: mc

Results for Organics
by EPA 3810

Client Sample ID: MW-5
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-5G
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 16:00
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	4040.0	72.0	10	04-22-2004

Reviewed By: _____

Results for Organics
by EPA 3810

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6F
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 16:40
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	371.0	7.20	1	04-21-2004

Reviewed By: mc

Results for Organics
by EPA 3810

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7F
Lab Project ID: G175-415

Analyzed By: MJC
Date Collected: 04-14-2004 17:45
Date Received: 04-15-2004 10:25
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Methane	BQL	7.20	1	04-21-2004

Reviewed By: _____

Results for Anions
by IC 300.0

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 11:55
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**2.94**	0.300	1	4/15/04
Sulfate	**0.419**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mc

Results for Anions
by IC 300.0

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 13:00
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**7.31**	0.300	1	4/15/04
Sulfate	**0.782**	0.300	1	4/15/04
Nitrate	**1.27**	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Anions
by IC 300.0

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6J
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 16:40
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	3.82	0.300	1	4/15/04
Sulfate	0.912	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mc

Results for Anions
by IC 300.0

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 17:45
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**8.47**	0.300	1	4/15/04
Sulfate	**0.577**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Anions
by IC 300.0

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 11:55
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**2.94**	0.300	1	4/15/04
Sulfate	**0.419**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mc

Results for Anions
by IC 300.0

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 13:00
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**7.31**	0.300	1	4/15/04
Sulfate	**0.782**	0.300	1	4/15/04
Nitrate	**1.27**	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mc

Results for Anions
by IC 300.0

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3J
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 14:20
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**92.5**	30.0	100	4/16/04
Sulfate	**0.386**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mmc

Results for Anions
by IC 300.0

Client Sample ID: MW-6
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-4I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 15:10
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**190**	30.0	100	4/16/04
Sulfate	**2.20**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mwc

Results for Anions
by IC 300.0

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6J
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 16:40
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	3.82	0.300	1	4/15/04
Sulfate	0.912	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: mc

Results for Anions
by IC 300.0

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7I
Lab Project ID: G175-415

Analyzed By: PSW
Date Collected: 04/14/2004 17:45
Date Received: 4/15/04
Matrix: Water

Analyte	Result mg/L	RL mg/L	Dilution Factor	Date Analyzed
Chloride	**8.47**	0.300	1	4/15/04
Sulfate	**0.577**	0.300	1	4/15/04
Nitrate	BQL	0.300	1	4/15/04

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Inorganics

Client Sample ID: MW-24
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-1I
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**88.0**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: mc

Results for Inorganics

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2I
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**123.2**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: _____

Results for Inorganics

Client Sample ID: MW-10
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-2I
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**123.2**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: _____

Results for Inorganics

Client Sample ID: MW-9
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-3J
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**299.2**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: mc

Results for Inorganics

Client Sample ID: MW-6
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-4I
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**330.0**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: pmc

Results for Inorganics

Client Sample ID: MW-5
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-5J
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**286.0**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: mc

Results for Inorganics

Client Sample ID: MW-8
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-6J
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**52.8**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: mc

Results for Inorganics

Client Sample ID: TB-1A
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-415-7I
Lab Project ID: G175-415

Analyzed By: RML
Date Collected: 4/14/04
Date Received: 4/15/04
Matrix: Water

Parameter	Result	Quantitation Limit	Units	Procedure	Date Analyzed
CO2	**101.2**	1	mg/L	SM4500 CO2 C	4/15/04

Note :
BQL = Below Quantitation Limit

Reviewed By: mc

Analytical Results

Client Sample ID:	MW-10	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-2	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	BQL	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Oranic Carbon	7.8	0.5	mg/L	376.2	4/19/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: _____

Analytical Results

Client Sample ID:	MW-9	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-3	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	BQL	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Organic Carbon	**13.3**	0.5	mg/L	376.2	4/19/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: _____

Analytical Results

Client Sample ID:	MW-6	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-4	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	BQL	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Organic Carbon	**16.6**	0.5	mg/L	376.2	4/20/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: mre

Analytical Results

Client Sample ID:	MW-5	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-5	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	**0.08**	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Organic Carbon	**13.8**	0.5	mg/L	376.2	4/20/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: _____

Analytical Results

Client Sample ID:	MW-8	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-6	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	BQL	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Organic Carbon	**2.2**	0.5	mg/L	376.2	4/20/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: mc

Analytical Results

Client Sample ID:	TB-1A	Date Collected:	4/14/04
Client Project ID:	N. Wake Unlined L.F.	Date Received:	4/15/04
Lab Sample ID:	G175-415-7	Matrix:	Water
Lab Project ID:	G175-415		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Sulfide	BQL	0.01	mg/L	335.2	4/20/04	EnviroChem
Total Organic Carbon	**4.8**	0.5	mg/L	376.2	4/20/04	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: _____

Results for Metals

Client Sample ID:	MW-24	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 11:55
Lab Sample ID:	G175-415-1I	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-10	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 13:00
Lab Sample ID:	G175-415-2J	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 14:20
Lab Sample ID:	G175-415-3J	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 15:10
Lab Sample ID:	G175-415-4I	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-5	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 16:00
Lab Sample ID:	G175-415-5J	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	MW-8	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 16:40
Lab Sample ID:	G175-415-6J	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: mc

Results for Metals

Client Sample ID:	TB-1A	Analyzed By:	RML
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/14/2004 17:45
Lab Sample ID:	G175-415-7I	Date Received:	4/15/04
Lab Project ID:	G175-415	Matrix:	Water

Metals	Result	Report Limit	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	1.00	MG/L	SM3500-Fe	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-23
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-1A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 10:50
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-23
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-1A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 10:50
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	9.98	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-10d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-3A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 12:15
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	**5.94**	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-27
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-5A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-27
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-5A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-6A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 13:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-6A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 13:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.97	100
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWM

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-10d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-3A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 12:15
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	**5.94**	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-10d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-3A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 12:15
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-22
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-4A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 12:05
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-22
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-4A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 12:05
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.86	99
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	9.99	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-27
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-5A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-27
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-5A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-6A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 13:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-6A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 13:25
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.97	100
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWM

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-7A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:10
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-28d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-7A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 14:10
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.95	99
1,2-Dichloroethane-d4	10	9.97	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GLW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-29d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-8A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 15:05
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/27/2004
Acrylonitrile	BQL	200	1	04/27/2004
Benzene	BQL	5.00	1	04/27/2004
Bromochloromethane	BQL	5.00	1	04/27/2004
Bromodichloromethane	BQL	5.00	1	04/27/2004
Bromoform	BQL	5.00	1	04/27/2004
Methyl bromide	BQL	10.0	1	04/27/2004
MEK (2-Butanone)	BQL	100	1	04/27/2004
Carbon disulfide	BQL	100	1	04/27/2004
Carbon tetrachloride	BQL	10.0	1	04/27/2004
Chlorobenzene	BQL	5.00	1	04/27/2004
Chloroethane	BQL	10.0	1	04/27/2004
Chloroform	BQL	5.00	1	04/27/2004
Methyl chloride	BQL	10.0	1	04/27/2004
Chlorodibromomethane	BQL	5.00	1	04/27/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/27/2004
Methylene bromide	BQL	10.0	1	04/27/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/27/2004
o-Dichlorobenzene	BQL	5.00	1	04/27/2004
p-Dichlorobenzene	BQL	5.00	1	04/27/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/27/2004
1,1-Dichloroethane	BQL	5.00	1	04/27/2004
Ethylene dichloride	BQL	5.00	1	04/27/2004
Vinylidene chloride	BQL	5.00	1	04/27/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/27/2004
t-1,2-dichloroethene	BQL	5.00	1	04/27/2004
Propylene Dichloride	BQL	5.00	1	04/27/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/27/2004
Dichlorodifluoromethane	BQL	5.00	1	04/27/2004
Ethylbenzene	BQL	5.00	1	04/27/2004
Methyl butyl ketone	BQL	50.0	1	04/27/2004
Methyl iodide	BQL	10.0	1	04/27/2004
Methylene chloride	BQL	10.0	1	04/27/2004
Methyl isobutyl ketone	BQL	100	1	04/27/2004
Styrene	BQL	10.0	1	04/27/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/27/2004
Tetrachloroethylene	BQL	5.00	1	04/27/2004
Toluene	BQL	5.00	1	04/27/2004
Trichloroethene	BQL	5.00	1	04/27/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/27/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-29d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-8A
Lab Project ID: G175-420

Analyzed By: JTF
Date Collected: 04/26/2004 15:05
Date Received: 04-27-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/27/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/27/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/27/2004
Vinyl acetate	BQL	50.0	1	04/27/2004
Vinyl chloride	BQL	10.0	1	04/27/2004
m-,p-Xylene	BQL	2.00	1	04/27/2004
o-Xylene	BQL	2.00	1	04/27/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.94	99
1,2-Dichloroethane-d4	10	9.84	98
Toluene-d8	10	9.9	99

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-23	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 10:50
Lab Sample ID:	G175-420-1D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/3/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/3/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/3/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/3/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/3/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/3/04
Copper	BQL	0.200	1	MG/L	6010B	5/3/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/3/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/3/04
Silver	BQL	0.0100	1	MG/L	6010B	5/3/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/3/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/3/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/3/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWM

Results for Metals

Client Sample ID:	MW-23d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 10:45
Lab Sample ID:	G175-420-2D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	MW-10d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 12:15
Lab Sample ID:	G175-420-3D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-22	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 12:05
Lab Sample ID:	G175-420-4D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-27	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 14:25
Lab Sample ID:	G175-420-5D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWM

Results for Metals

Client Sample ID:	MW-28d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/26/2004 14:10
Lab Sample ID:	G175-420-7D	Date Received:	4/27/04
Lab Project ID:	G175-420	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWM

Results for Metals

Client Sample ID: MW-29d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-8D
Lab Project ID: G175-420
Batch ID: 3206 3213

Analyzed By: PSW
Date Collected: 4/26/2004 15:05
Date Received: 4/27/04
Matrix: Water

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/5/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/5/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/5/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/5/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/5/04
Copper	BQL	0.200	1	MG/L	6010B	5/5/04
Lead	BQL	0.0100	1	MG/L	6010B	5/5/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/5/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/5/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/5/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/5/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Semivolatiles by GCMS 8270

Client Sample ID: MW-23
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-1F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 10:50
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	10.1	101
4-Terphenyl-d14	10	9.7	97

Comments:

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: DWL

Results for Semivolatiles by GCMS 8270

Client Sample ID: MW-23d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-2F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 10:45
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
Nitrobenzene-d5	10	10	99
4-Terphenyl-d14	10	9.9	99

Comments:

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: [illegible]

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-10d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-3F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 12:15
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	32.4	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	9.2	92

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: EWL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-22
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-4F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 12:05
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	10.3	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWC

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-27
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-5F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 14:25
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	10.9	109

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-28
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-6F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 13:25
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	10.2	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: ELW

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-28d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-7F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 14:10
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	28.3	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	9.7	97
4-Terphenyl-d14	10	10.8	108

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWK

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-29d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-420-8F
Lab Project ID: G175-420

Analyzed By: MRC
Date Collected: 04/26/2004 15:05
Date Received: 04/27/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	10.6	106

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-30
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-1A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 10:00
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/30/2004
Acrylonitrile	BQL	200	1	04/30/2004
Benzene	BQL	5.00	1	04/30/2004
Bromochloromethane	BQL	5.00	1	04/30/2004
Bromodichloromethane	BQL	5.00	1	04/30/2004
Bromoform	BQL	5.00	1	04/30/2004
Methyl bromide	BQL	10.0	1	04/30/2004
MEK (2-Butanone)	BQL	100	1	04/30/2004
Carbon disulfide	BQL	100	1	04/30/2004
Carbon tetrachloride	BQL	10.0	1	04/30/2004
Chlorobenzene	BQL	5.00	1	04/30/2004
Chloroethane	BQL	10.0	1	04/30/2004
Chloroform	BQL	5.00	1	04/30/2004
Methyl chloride	BQL	10.0	1	04/30/2004
Chlorodibromomethane	BQL	5.00	1	04/30/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/30/2004
Methylene bromide	BQL	10.0	1	04/30/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/30/2004
o-Dichlorobenzene	BQL	5.00	1	04/30/2004
p-Dichlorobenzene	BQL	5.00	1	04/30/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/30/2004
1,1-Dichloroethane	BQL	5.00	1	04/30/2004
Ethylene dichloride	BQL	5.00	1	04/30/2004
Vinylidene chloride	BQL	5.00	1	04/30/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/30/2004
t-1,2-dichloroethene	BQL	5.00	1	04/30/2004
Propylene Dichloride	BQL	5.00	1	04/30/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
Dichlorodifluoromethane	BQL	5.00	1	04/30/2004
Ethylbenzene	BQL	5.00	1	04/30/2004
Methyl butyl ketone	BQL	50.0	1	04/30/2004
Methyl iodide	BQL	10.0	1	04/30/2004
Methylene chloride	BQL	10.0	1	04/30/2004
Methyl isobutyl ketone	BQL	100	1	04/30/2004
Styrene	BQL	10.0	1	04/30/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
Tetrachloroethylene	BQL	5.00	1	04/30/2004
Toluene	BQL	5.00	1	04/30/2004
Trichloroethene	BQL	5.00	1	04/30/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/30/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-30
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-1A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 10:00
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/30/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/30/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/30/2004
Vinyl acetate	BQL	50.0	1	04/30/2004
Vinyl chloride	BQL	10.0	1	04/30/2004
m-,p-Xylene	BQL	2.00	1	04/30/2004
o-Xylene	BQL	2.00	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10.2	102
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: TB-1A Deep
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-2A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 10:55
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/30/2004
Acrylonitrile	BQL	200	1	04/30/2004
Benzene	BQL	5.00	1	04/30/2004
Bromochloromethane	BQL	5.00	1	04/30/2004
Bromodichloromethane	BQL	5.00	1	04/30/2004
Bromoform	BQL	5.00	1	04/30/2004
Methyl bromide	BQL	10.0	1	04/30/2004
MEK (2-Butanone)	BQL	100	1	04/30/2004
Carbon disulfide	BQL	100	1	04/30/2004
Carbon tetrachloride	BQL	10.0	1	04/30/2004
Chlorobenzene	BQL	5.00	1	04/30/2004
Chloroethane	BQL	10.0	1	04/30/2004
Chloroform	**22.0**	5.00	1	04/30/2004
Methyl chloride	BQL	10.0	1	04/30/2004
Chlorodibromomethane	BQL	5.00	1	04/30/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/30/2004
Methylene bromide	BQL	10.0	1	04/30/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/30/2004
o-Dichlorobenzene	BQL	5.00	1	04/30/2004
p-Dichlorobenzene	BQL	5.00	1	04/30/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/30/2004
1,1-Dichloroethane	BQL	5.00	1	04/30/2004
Ethylene dichloride	BQL	5.00	1	04/30/2004
Vinylidene chloride	BQL	5.00	1	04/30/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/30/2004
t-1,2-dichloroethene	BQL	5.00	1	04/30/2004
Propylene Dichloride	BQL	5.00	1	04/30/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
Dichlorodifluoromethane	BQL	5.00	1	04/30/2004
Ethylbenzene	BQL	5.00	1	04/30/2004
Methyl butyl ketone	BQL	50.0	1	04/30/2004
Methyl iodide	BQL	10.0	1	04/30/2004
Methylene chloride	BQL	10.0	1	04/30/2004
Methyl isobutyl ketone	BQL	100	1	04/30/2004
Styrene	BQL	10.0	1	04/30/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
Tetrachloroethylene	BQL	5.00	1	04/30/2004
Toluene	BQL	5.00	1	04/30/2004
Trichloroethene	BQL	5.00	1	04/30/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/30/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: TB-1A Deep
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-2A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 10:55
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/30/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/30/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/30/2004
Vinyl acetate	BQL	50.0	1	04/30/2004
Vinyl chloride	BQL	10.0	1	04/30/2004
m-,p-Xylene	BQL	2.00	1	04/30/2004
o-Xylene	BQL	2.00	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.97	100
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-32
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-3A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 11:35
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/30/2004
Acrylonitrile	BQL	200	1	04/30/2004
Benzene	BQL	5.00	1	04/30/2004
Bromochloromethane	BQL	5.00	1	04/30/2004
Bromodichloromethane	BQL	5.00	1	04/30/2004
Bromoform	BQL	5.00	1	04/30/2004
Methyl bromide	BQL	10.0	1	04/30/2004
MEK (2-Butanone)	BQL	100	1	04/30/2004
Carbon disulfide	BQL	100	1	04/30/2004
Carbon tetrachloride	BQL	10.0	1	04/30/2004
Chlorobenzene	BQL	5.00	1	04/30/2004
Chloroethane	BQL	10.0	1	04/30/2004
Chloroform	BQL	5.00	1	04/30/2004
Methyl chloride	BQL	10.0	1	04/30/2004
Chlorodibromomethane	BQL	5.00	1	04/30/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/30/2004
Methylene bromide	BQL	10.0	1	04/30/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/30/2004
o-Dichlorobenzene	BQL	5.00	1	04/30/2004
p-Dichlorobenzene	BQL	5.00	1	04/30/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/30/2004
1,1-Dichloroethane	BQL	5.00	1	04/30/2004
Ethylene dichloride	BQL	5.00	1	04/30/2004
Vinylidene chloride	BQL	5.00	1	04/30/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/30/2004
t-1,2-dichloroethene	BQL	5.00	1	04/30/2004
Propylene Dichloride	BQL	5.00	1	04/30/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
Dichlorodifluoromethane	BQL	5.00	1	04/30/2004
Ethylbenzene	BQL	5.00	1	04/30/2004
Methyl butyl ketone	BQL	50.0	1	04/30/2004
Methyl iodide	BQL	10.0	1	04/30/2004
Methylene chloride	BQL	10.0	1	04/30/2004
Methyl isobutyl ketone	BQL	100	1	04/30/2004
Styrene	BQL	10.0	1	04/30/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
Tetrachloroethylene	BQL	5.00	1	04/30/2004
Toluene	BQL	5.00	1	04/30/2004
Trichloroethene	BQL	5.00	1	04/30/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/30/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-32
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-3A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 11:35
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/30/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/30/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/30/2004
Vinyl acetate	BQL	50.0	1	04/30/2004
Vinyl chloride	BQL	10.0	1	04/30/2004
m-,p-Xylene	BQL	2.00	1	04/30/2004
o-Xylene	BQL	2.00	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.2	102
Toluene-d8	10	10.2	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: SLW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-31
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-4A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 12:10
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	200	2	04/30/2004
Acrylonitrile	BQL	400	2	04/30/2004
Benzene	BQL	10.0	2	04/30/2004
Bromochloromethane	BQL	10.0	2	04/30/2004
Bromodichloromethane	BQL	10.0	2	04/30/2004
Bromoform	BQL	10.0	2	04/30/2004
Methyl bromide	BQL	20.0	2	04/30/2004
MEK (2-Butanone)	BQL	200	2	04/30/2004
Carbon disulfide	BQL	200	2	04/30/2004
Carbon tetrachloride	BQL	20.0	2	04/30/2004
Chlorobenzene	BQL	10.0	2	04/30/2004
Chloroethane	BQL	20.0	2	04/30/2004
Chloroform	**32.5**	10.0	2	04/30/2004
Methyl chloride	BQL	20.0	2	04/30/2004
Chlorodibromomethane	BQL	10.0	2	04/30/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	50.0	2	04/30/2004
Methylene bromide	BQL	20.0	2	04/30/2004
Ethylene dibromide (EDB)	BQL	10.0	2	04/30/2004
o-Dichlorobenzene	BQL	10.0	2	04/30/2004
p-Dichlorobenzene	BQL	10.0	2	04/30/2004
t-1,4-Dichloro-2-butene	BQL	200	2	04/30/2004
1,1-Dichloroethane	BQL	10.0	2	04/30/2004
Ethylene dichloride	BQL	10.0	2	04/30/2004
Vinylidene chloride	BQL	10.0	2	04/30/2004
cis-1,2-Dichloroethene	BQL	10.0	2	04/30/2004
t-1,2-dichloroethene	BQL	10.0	2	04/30/2004
Propylene Dichloride	BQL	10.0	2	04/30/2004
cis-1,3-Dichloropropene	BQL	20.0	2	04/30/2004
t-1,3-Dichloropropene	BQL	20.0	2	04/30/2004
Dichlorodifluoromethane	BQL	10.0	2	04/30/2004
Ethylbenzene	BQL	10.0	2	04/30/2004
Methyl butyl ketone	BQL	100	2	04/30/2004
Methyl iodide	BQL	20.0	2	04/30/2004
Methylene chloride	BQL	20.0	2	04/30/2004
Methyl isobutyl ketone	BQL	200	2	04/30/2004
Styrene	BQL	20.0	2	04/30/2004
1,1,1,2-Tetrachloroethane	BQL	10.0	2	04/30/2004
1,1,2,2-Tetrachloroethane	BQL	10.0	2	04/30/2004
Tetrachloroethylene	BQL	10.0	2	04/30/2004
Toluene	BQL	10.0	2	04/30/2004
Trichloroethene	BQL	10.0	2	04/30/2004
1,1,1-Trichloroethane	BQL	10.0	2	04/30/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-31
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-4A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 12:10
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	10.0	2	04/30/2004
CFC-11 (Trichlorofluoromethane)	BQL	10.0	2	04/30/2004
1,2,3-Trichloropropane	BQL	30.0	2	04/30/2004
Vinyl acetate	BQL	100	2	04/30/2004
Vinyl chloride	BQL	20.0	2	04/30/2004
m-,p-Xylene	BQL	4.00	2	04/30/2004
o-Xylene	BQL	4.00	2	04/30/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EUM

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-31d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-5A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 13:10
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/30/2004
Acrylonitrile	BQL	200	1	04/30/2004
Benzene	BQL	5.00	1	04/30/2004
Bromochloromethane	BQL	5.00	1	04/30/2004
Bromodichloromethane	BQL	5.00	1	04/30/2004
Bromoform	BQL	5.00	1	04/30/2004
Methyl bromide	BQL	10.0	1	04/30/2004
MEK (2-Butanone)	BQL	100	1	04/30/2004
Carbon disulfide	BQL	100	1	04/30/2004
Carbon tetrachloride	BQL	10.0	1	04/30/2004
Chlorobenzene	BQL	5.00	1	04/30/2004
Chloroethane	BQL	10.0	1	04/30/2004
Chloroform	**38.3**	5.00	1	04/30/2004
Methyl chloride	BQL	10.0	1	04/30/2004
Chlorodibromomethane	BQL	5.00	1	04/30/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/30/2004
Methylene bromide	BQL	10.0	1	04/30/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/30/2004
o-Dichlorobenzene	BQL	5.00	1	04/30/2004
p-Dichlorobenzene	BQL	5.00	1	04/30/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/30/2004
1,1-Dichloroethane	BQL	5.00	1	04/30/2004
Ethylene dichloride	BQL	5.00	1	04/30/2004
Vinylidene chloride	BQL	5.00	1	04/30/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/30/2004
t-1,2-dichloroethene	BQL	5.00	1	04/30/2004
Propylene Dichloride	BQL	5.00	1	04/30/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/30/2004
Dichlorodifluoromethane	BQL	5.00	1	04/30/2004
Ethylbenzene	BQL	5.00	1	04/30/2004
Methyl butyl ketone	BQL	50.0	1	04/30/2004
Methyl iodide	BQL	10.0	1	04/30/2004
Methylene chloride	BQL	10.0	1	04/30/2004
Methyl isobutyl ketone	BQL	100	1	04/30/2004
Styrene	BQL	10.0	1	04/30/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/30/2004
Tetrachloroethylene	BQL	5.00	1	04/30/2004
Toluene	BQL	5.00	1	04/30/2004
Trichloroethene	BQL	5.00	1	04/30/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/30/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-31d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-5A
Lab Project ID: G175-421

Analyzed By: JTF
Date Collected: 04/28/2004 13:10
Date Received: 04-29-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/30/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/30/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/30/2004
Vinyl acetate	BQL	50.0	1	04/30/2004
Vinyl chloride	BQL	10.0	1	04/30/2004
m-,p-Xylene	BQL	2.00	1	04/30/2004
o-Xylene	BQL	2.00	1	04/30/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID:	MW-30	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/28/2004 10:00
Lab Sample ID:	G175-421-1D	Date Received:	4/29/04
Lab Project ID:	G175-421	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/6/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/6/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/6/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/6/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/6/04
Copper	BQL	0.200	1	MG/L	6010B	5/6/04
Lead	BQL	0.0100	1	MG/L	6010B	5/6/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/6/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/6/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/6/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/7/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	TB-1A Deep	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/28/2004 10:55
Lab Sample ID:	G175-421-2D	Date Received:	4/29/04
Lab Project ID:	G175-421	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/6/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/6/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/6/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/6/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/6/04
Copper	BQL	0.200	1	MG/L	6010B	5/6/04
Lead	BQL	0.0100	1	MG/L	6010B	5/6/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/6/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/6/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/6/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/7/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	MW-32	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/28/2004 11:35
Lab Sample ID:	G175-421-3D	Date Received:	4/29/04
Lab Project ID:	G175-421	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/6/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/6/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/6/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/6/04
Cobalt	**0.0105**	0.0100	1	MG/L	6010B	5/6/04
Copper	BQL	0.200	1	MG/L	6010B	5/6/04
Lead	BQL	0.0100	1	MG/L	6010B	5/6/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/6/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/6/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/6/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/7/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWN

Results for Metals

Client Sample ID:	MW-31	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/28/2004 12:10
Lab Sample ID:	G175-421-4D	Date Received:	4/29/04
Lab Project ID:	G175-421	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/6/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/6/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/6/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/6/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/6/04
Copper	BQL	0.200	1	MG/L	6010B	5/6/04
Lead	BQL	0.0100	1	MG/L	6010B	5/6/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/6/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/6/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/6/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/7/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: ZLW

Results for Metals

Client Sample ID:	MW-31d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/28/2004 13:10
Lab Sample ID:	G175-421-5D	Date Received:	4/29/04
Lab Project ID:	G175-421	Matrix:	Water
Batch ID:	3206 3213		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/6/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/6/04
Barium	BQL	0.500	1	MG/L	6010B	5/6/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/6/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/6/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/6/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/6/04
Copper	BQL	0.200	1	MG/L	6010B	5/6/04
Lead	BQL	0.0100	1	MG/L	6010B	5/6/04
Mercury	BQL	0.000250	1	MG/L	7470	5/10/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/6/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/6/04
Silver	BQL	0.0100	1	MG/L	6010B	5/6/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/6/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/6/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/7/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-30
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-1F
Lab Project ID: G175-421

Analyzed By: MRC
Date Collected: 04/28/2004 10:00
Date Received: 04/29/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	05/04/2004

Surrogate Compounds	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	88
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	9.2	92

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: ENM

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TB-1A Deep
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-2F
Lab Project ID: G175-421

Analyzed By: MRC
Date Collected: 04/28/2004 10:55
Date Received: 04/29/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	05/04/2004

Surrogate Compounds	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	8	80
4-Terphenyl-d14	10	8.9	89

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-32
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-3F
Lab Project ID: G175-421

Analyzed By: MRC
Date Collected: 04/28/2004 11:35
Date Received: 04/29/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	05/04/2004

Surrogate Compounds	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	9.9	99

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWL

Results for Semivolatiles by GCMS 8270

Client Sample ID: MW-31
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-421-4F
Lab Project ID: G175-421

Analyzed By: MRC
Date Collected: 04/28/2004 12:10
Date Received: 04/29/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	05/04/2004

Surrogate Compounds	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7.7	77
4-Terphenyl-d14	10	9.3	93

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By: GWM

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: EQ-Blank
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-1A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 11:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/24/2004
Acrylonitrile	BQL	200	1	04/24/2004
Benzene	BQL	5.00	1	04/24/2004
Bromochloromethane	BQL	5.00	1	04/24/2004
Bromodichloromethane	BQL	5.00	1	04/24/2004
Bromoform	BQL	5.00	1	04/24/2004
Methyl bromide	BQL	10.0	1	04/24/2004
MEK (2-Butanone)	BQL	100	1	04/24/2004
Carbon disulfide	BQL	100	1	04/24/2004
Carbon tetrachloride	BQL	10.0	1	04/24/2004
Chlorobenzene	BQL	5.00	1	04/24/2004
Chloroethane	BQL	10.0	1	04/24/2004
Chloroform	BQL	5.00	1	04/24/2004
Methyl chloride	BQL	10.0	1	04/24/2004
Chlorodibromomethane	BQL	5.00	1	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/24/2004
Methylene bromide	BQL	10.0	1	04/24/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/24/2004
o-Dichlorobenzene	BQL	5.00	1	04/24/2004
p-Dichlorobenzene	BQL	5.00	1	04/24/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/24/2004
1,1-Dichloroethane	BQL	5.00	1	04/24/2004
Vinylidene chloride	BQL	5.00	1	04/24/2004
Ethylene dichloride	BQL	5.00	1	04/24/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/24/2004
t-1,2-dichloroethene	BQL	5.00	1	04/24/2004
Propylene Dichloride	BQL	5.00	1	04/24/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
Ethylbenzene	BQL	5.00	1	04/24/2004
Methyl butyl ketone	BQL	50.0	1	04/24/2004
Methyl iodide	BQL	10.0	1	04/24/2004
Methylene chloride	BQL	10.0	1	04/24/2004
Methyl isobutyl ketone	BQL	100	1	04/24/2004
Styrene	BQL	10.0	1	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
Tetrachloroethylene	BQL	5.00	1	04/24/2004
Toluene	BQL	5.00	1	04/24/2004
Trichloroethene	BQL	5.00	1	04/24/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/24/2004
1,1,2-Trichloroethane	BQL	5.00	1	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: EQ-Blank
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-1A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 11:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/24/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/24/2004
Vinyl acetate	BQL	50.0	1	04/24/2004
Vinyl chloride	BQL	10.0	1	04/24/2004
m-,p-Xylene	BQL	2.00	1	04/24/2004
o-Xylene	BQL	2.00	1	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10.4	104

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-7
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-2A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 11:45
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	BQL	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	**18.3**	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-7
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-2A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 11:45
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-8d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-3A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 12:35
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	BQL	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-8d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-3A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 12:35
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	9.92	99
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-33
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-4A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 13:15
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	BQL	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-33
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-4A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 13:15
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	9.79	98
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: TWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5R
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-5A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 15:10
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	200	2	04/24/2004
Acrylonitrile	BQL	400	2	04/24/2004
Benzene	BQL	10.0	2	04/24/2004
Bromochloromethane	BQL	10.0	2	04/24/2004
Bromodichloromethane	BQL	10.0	2	04/24/2004
Bromoform	BQL	10.0	2	04/24/2004
Methyl bromide	BQL	20.0	2	04/24/2004
MEK (2-Butanone)	BQL	200	2	04/24/2004
Carbon disulfide	BQL	200	2	04/24/2004
Carbon tetrachloride	BQL	20.0	2	04/24/2004
Chlorobenzene	BQL	10.0	2	04/24/2004
Chloroethane	BQL	20.0	2	04/24/2004
Chloroform	BQL	10.0	2	04/24/2004
Methyl chloride	BQL	20.0	2	04/24/2004
Chlorodibromomethane	BQL	10.0	2	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	50.0	2	04/24/2004
Methylene bromide	BQL	20.0	2	04/24/2004
Ethylene dibromide (EDB)	BQL	10.0	2	04/24/2004
o-Dichlorobenzene	BQL	10.0	2	04/24/2004
p-Dichlorobenzene	**16.5**	10.0	2	04/24/2004
t-1,4-Dichloro-2-butene	BQL	200	2	04/24/2004
1,1-Dichloroethane	**13.1**	10.0	2	04/24/2004
Vinylidene chloride	BQL	10.0	2	04/24/2004
Ethylene dichloride	BQL	10.0	2	04/24/2004
cis-1,2-Dichloroethene	**56.2**	10.0	2	04/24/2004
t-1,2-dichloroethene	BQL	10.0	2	04/24/2004
Propylene Dichloride	BQL	10.0	2	04/24/2004
cis-1,3-Dichloropropene	BQL	20.0	2	04/24/2004
t-1,3-Dichloropropene	BQL	20.0	2	04/24/2004
Dichlorodifluoromethane	BQL	10.0	2	04/24/2004
Ethylbenzene	BQL	10.0	2	04/24/2004
Methyl butyl ketone	BQL	100	2	04/24/2004
Methyl iodide	BQL	20.0	2	04/24/2004
Methylene chloride	BQL	20.0	2	04/24/2004
Methyl isobutyl ketone	BQL	200	2	04/24/2004
Styrene	BQL	20.0	2	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	10.0	2	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	10.0	2	04/24/2004
Tetrachloroethylene	BQL	10.0	2	04/24/2004
Toluene	BQL	10.0	2	04/24/2004
Trichloroethene	BQL	10.0	2	04/24/2004
1,1,1-Trichloroethane	BQL	10.0	2	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5R
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-5A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 15:10
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	10.0	2	04/24/2004
CFC-11 (Trichlorofluoromethane)	BQL	10.0	2	04/24/2004
1,2,3-Trichloropropane	BQL	30.0	2	04/24/2004
Vinyl acetate	BQL	100	2	04/24/2004
Vinyl chloride	BQL	20.0	2	04/24/2004
m-,p-Xylene	BQL	4.00	2	04/24/2004
o-Xylene	BQL	4.00	2	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.95	99
1,2-Dichloroethane-d4	10	10	100
Toluene-d8	10	10.3	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: EWK

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-34
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-6A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 15:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	BQL	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-34
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-6A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 15:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	9.98	100
Toluene-d8	10	9.99	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWM

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-34d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-7A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 14:55
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	**6.80**	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-34d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-7A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 14:55
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	9.83	98
Toluene-d8	10	10.2	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GMW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: DUP
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-8A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 00:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/24/2004
Acrylonitrile	BQL	200	1	04/24/2004
Benzene	BQL	5.00	1	04/24/2004
Bromochloromethane	BQL	5.00	1	04/24/2004
Bromodichloromethane	BQL	5.00	1	04/24/2004
Bromoform	BQL	5.00	1	04/24/2004
Methyl bromide	BQL	10.0	1	04/24/2004
MEK (2-Butanone)	BQL	100	1	04/24/2004
Carbon disulfide	BQL	100	1	04/24/2004
Carbon tetrachloride	BQL	10.0	1	04/24/2004
Chlorobenzene	BQL	5.00	1	04/24/2004
Chloroethane	BQL	10.0	1	04/24/2004
Chloroform	BQL	5.00	1	04/24/2004
Methyl chloride	BQL	10.0	1	04/24/2004
Chlorodibromomethane	BQL	5.00	1	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/24/2004
Methylene bromide	BQL	10.0	1	04/24/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/24/2004
o-Dichlorobenzene	BQL	5.00	1	04/24/2004
p-Dichlorobenzene	BQL	5.00	1	04/24/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/24/2004
1,1-Dichloroethane	BQL	5.00	1	04/24/2004
Vinylidene chloride	BQL	5.00	1	04/24/2004
Ethylene dichloride	BQL	5.00	1	04/24/2004
cis-1,2-Dichloroethene	**19.9**	5.00	1	04/24/2004
t-1,2-dichloroethene	BQL	5.00	1	04/24/2004
Propylene Dichloride	BQL	5.00	1	04/24/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
Dichlorodifluoromethane	BQL	5.00	1	04/24/2004
Ethylbenzene	BQL	5.00	1	04/24/2004
Methyl butyl ketone	BQL	50.0	1	04/24/2004
Methyl iodide	BQL	10.0	1	04/24/2004
Methylene chloride	BQL	10.0	1	04/24/2004
Methyl isobutyl ketone	BQL	100	1	04/24/2004
Styrene	BQL	10.0	1	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
Tetrachloroethylene	BQL	5.00	1	04/24/2004
Toluene	BQL	5.00	1	04/24/2004
Trichloroethene	BQL	5.00	1	04/24/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: DUP
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-8A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 00:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/24/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/24/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/24/2004
Vinyl acetate	BQL	50.0	1	04/24/2004
Vinyl chloride	BQL	10.0	1	04/24/2004
m-,p-Xylene	BQL	2.00	1	04/24/2004
o-Xylene	BQL	2.00	1	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.4	104
1,2-Dichloroethane-d4	10	9.69	97
Toluene-d8	10	9.89	99

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWL

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-9A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 16:20
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/23/2004
Acrylonitrile	BQL	200	1	04/23/2004
Benzene	BQL	5.00	1	04/23/2004
Bromochloromethane	BQL	5.00	1	04/23/2004
Bromodichloromethane	BQL	5.00	1	04/23/2004
Bromoform	BQL	5.00	1	04/23/2004
Methyl bromide	BQL	10.0	1	04/23/2004
MEK (2-Butanone)	BQL	100	1	04/23/2004
Carbon disulfide	BQL	100	1	04/23/2004
Carbon tetrachloride	BQL	10.0	1	04/23/2004
Chlorobenzene	BQL	5.00	1	04/23/2004
Chloroethane	BQL	10.0	1	04/23/2004
Chloroform	BQL	5.00	1	04/23/2004
Methyl chloride	BQL	10.0	1	04/23/2004
Chlorodibromomethane	BQL	5.00	1	04/23/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/23/2004
Methylene bromide	BQL	10.0	1	04/23/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/23/2004
o-Dichlorobenzene	BQL	5.00	1	04/23/2004
p-Dichlorobenzene	BQL	5.00	1	04/23/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/23/2004
1,1-Dichloroethane	BQL	5.00	1	04/23/2004
Vinylidene chloride	BQL	5.00	1	04/23/2004
Ethylene dichloride	BQL	5.00	1	04/23/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/23/2004
t-1,2-dichloroethene	BQL	5.00	1	04/23/2004
Propylene Dichloride	BQL	5.00	1	04/23/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/23/2004
Dichlorodifluoromethane	BQL	5.00	1	04/23/2004
Ethylbenzene	BQL	5.00	1	04/23/2004
Methyl butyl ketone	BQL	50.0	1	04/23/2004
Methyl iodide	BQL	10.0	1	04/23/2004
Methylene chloride	BQL	10.0	1	04/23/2004
Methyl isobutyl ketone	BQL	100	1	04/23/2004
Styrene	BQL	10.0	1	04/23/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/23/2004
Tetrachloroethylene	BQL	5.00	1	04/23/2004
Toluene	BQL	5.00	1	04/23/2004
Trichloroethene	BQL	5.00	1	04/23/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/23/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-9A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 16:20
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	BQL	5.00	1	04/23/2004
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/23/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/23/2004
Vinyl acetate	BQL	50.0	1	04/23/2004
Vinyl chloride	BQL	10.0	1	04/23/2004
m-,p-Xylene	BQL	2.00	1	04/23/2004
o-Xylene	BQL	2.00	1	04/23/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.3	103
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	10	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GLW

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-10A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 00:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	100	1	04/24/2004
Acrylonitrile	BQL	200	1	04/24/2004
Benzene	BQL	5.00	1	04/24/2004
Bromochloromethane	BQL	5.00	1	04/24/2004
Bromodichloromethane	BQL	5.00	1	04/24/2004
Bromoform	BQL	5.00	1	04/24/2004
Methyl bromide	BQL	10.0	1	04/24/2004
MEK (2-Butanone)	BQL	100	1	04/24/2004
Carbon disulfide	BQL	100	1	04/24/2004
Carbon tetrachloride	BQL	10.0	1	04/24/2004
Chlorobenzene	BQL	5.00	1	04/24/2004
Chloroethane	BQL	10.0	1	04/24/2004
Chloroform	BQL	5.00	1	04/24/2004
Methyl chloride	BQL	10.0	1	04/24/2004
Chlorodibromomethane	BQL	5.00	1	04/24/2004
DBCP (1,2-Dibromo-3-chloropropane)	BQL	25.0	1	04/24/2004
Methylene bromide	BQL	10.0	1	04/24/2004
Ethylene dibromide (EDB)	BQL	5.00	1	04/24/2004
o-Dichlorobenzene	BQL	5.00	1	04/24/2004
p-Dichlorobenzene	BQL	5.00	1	04/24/2004
t-1,4-Dichloro-2-butene	BQL	100	1	04/24/2004
1,1-Dichloroethane	BQL	5.00	1	04/24/2004
Vinylidene chloride	BQL	5.00	1	04/24/2004
Ethylene dichloride	BQL	5.00	1	04/24/2004
cis-1,2-Dichloroethene	BQL	5.00	1	04/24/2004
t-1,2-dichloroethene	BQL	5.00	1	04/24/2004
Propylene Dichloride	BQL	5.00	1	04/24/2004
cis-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
t-1,3-Dichloropropene	BQL	10.0	1	04/24/2004
Ethylbenzene	BQL	5.00	1	04/24/2004
Methyl butyl ketone	BQL	50.0	1	04/24/2004
Methyl iodide	BQL	10.0	1	04/24/2004
Methylene chloride	BQL	10.0	1	04/24/2004
Methyl isobutyl ketone	BQL	100	1	04/24/2004
Styrene	BQL	10.0	1	04/24/2004
1,1,1,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
1,1,2,2-Tetrachloroethane	BQL	5.00	1	04/24/2004
Tetrachloroethylene	BQL	5.00	1	04/24/2004
Toluene	BQL	5.00	1	04/24/2004
Trichloroethene	BQL	5.00	1	04/24/2004
1,1,1-Trichloroethane	BQL	5.00	1	04/24/2004
1,1,2-Trichloroethane	BQL	5.00	1	04/24/2004

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-10A
Lab Project ID: G175-418

Analyzed By: JTF
Date Collected: 04/21/2004 00:00
Date Received: 04-22-2004
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
CFC-11 (Trichlorofluoromethane)	BQL	5.00	1	04/24/2004
1,2,3-Trichloropropane	BQL	15.0	1	04/24/2004
Vinyl acetate	BQL	50.0	1	04/24/2004
Vinyl chloride	BQL	10.0	1	04/24/2004
m-,p-Xylene	BQL	2.00	1	04/24/2004
o-Xylene	BQL	2.00	1	04/24/2004

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	9.9	99
Toluene-d8	10	10.2	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GW

Results for Metals

Client Sample ID:	EQ-Blank	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 11:00
Lab Sample ID:	G175-418-1D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWK

Results for Metals

Client Sample ID:	MW-7	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 11:45
Lab Sample ID:	G175-418-2D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	**0.0295**	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	MW-8d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 12:35
Lab Sample ID:	G175-418-3D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: TLW

Results for Metals

Client Sample ID:	MW-33	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 13:15
Lab Sample ID:	G175-418-4D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	**0.0105**	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: TWN

Results for Metals

Client Sample ID:	MW-5R	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 15:10
Lab Sample ID:	G175-418-5D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	**0.0124**	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-34	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 15:00
Lab Sample ID:	G175-418-6D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	4/29/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	4/29/04
Beryllium	BQL	0.00200	1	MG/L	6010B	4/29/04
Cadmium	BQL	0.00100	1	MG/L	6010B	4/29/04
Chromium	BQL	0.0100	1	MG/L	6010B	4/29/04
Cobalt	BQL	0.0100	1	MG/L	6010B	4/29/04
Copper	BQL	0.200	1	MG/L	6010B	4/29/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	4/29/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	4/29/04
Thallium	BQL	0.0100	1	MG/L	6010B	4/29/04
Vanadium	BQL	0.0400	1	MG/L	6010B	4/29/04
Zinc	BQL	0.0500	1	MG/L	6010B	4/29/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-34d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 14:55
Lab Sample ID:	G175-418-7D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/3/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	5/3/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/3/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/3/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/3/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/3/04
Copper	BQL	0.200	1	MG/L	6010B	5/3/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/3/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	5/3/04
Thallium	**0.0103**	0.0100	1	MG/L	6010B	5/3/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/3/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/3/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWK

Results for Metals

Client Sample ID:	DUP	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 00:00
Lab Sample ID:	G175-418-8D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/3/04
Arsenic	**0.0121**	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	5/3/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/3/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/3/04
Chromium	BQL	0.0100	1	MG/L	6010B	5/3/04
Cobalt	**0.0240**	0.0100	1	MG/L	6010B	5/3/04
Copper	BQL	0.200	1	MG/L	6010B	5/3/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/3/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	5/3/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/3/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/3/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/3/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: EWW

Results for Metals

Client Sample ID:	MW-6d	Analyzed By:	PSW
Client Project ID:	N. Wake Unlined L.F.	Date Collected:	4/21/2004 16:20
Lab Sample ID:	G175-418-9D	Date Received:	4/22/04
Lab Project ID:	G175-418	Matrix:	Water
Batch ID:	3200 3207		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	0.0300	1	MG/L	6010B	5/3/04
Arsenic	BQL	0.0100	1	MG/L	6010B	5/3/04
Barium	BQL	0.500	1	MG/L	6010B	5/3/04
Beryllium	BQL	0.00200	1	MG/L	6010B	5/3/04
Cadmium	BQL	0.00100	1	MG/L	6010B	5/3/04
Chromium	**0.0173**	0.0100	1	MG/L	6010B	5/3/04
Cobalt	BQL	0.0100	1	MG/L	6010B	5/3/04
Copper	BQL	0.200	1	MG/L	6010B	5/3/04
Lead	BQL	0.0100	1	MG/L	6010B	5/3/04
Mercury	BQL	0.000250	1	MG/L	7470	4/30/04
Nickel	BQL	0.0500	1	MG/L	6010B	5/3/04
Selenium	BQL	0.0200	1	MG/L	6010B	5/4/04
Silver	BQL	0.0100	1	MG/L	6010B	5/3/04
Thallium	BQL	0.0100	1	MG/L	6010B	5/3/04
Vanadium	BQL	0.0400	1	MG/L	6010B	5/3/04
Zinc	BQL	0.0500	1	MG/L	6010B	5/3/04

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL

Reviewed By: DW

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-7
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-2F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 11:45
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	12.3	123

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GLW

Results for Semivolatiles by GCMS 8270

Client Sample ID: MW-8d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-3F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 12:35
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	13.1	131

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By: SWN

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-33
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-4F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 13:15
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	9	90
4-Terphenyl-d14	10	12.6	126

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: GWL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-5R
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-5F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 15:10
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.3	93
4-Terphenyl-d14	10	10.8	108

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Semivolatiles by GCMS 8270

Client Sample ID: MW-34
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-6F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 15:00
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	9	90
4-Terphenyl-d14	10	12	120

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-34d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-7F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 14:55
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/28/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	12	120

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DUP
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-8F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 00:00
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/29/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10.6	106
4-Terphenyl-d14	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: GWN

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-6d
Client Project ID: N. Wake Unlined L.F.
Lab Sample ID: G175-418-9F
Lab Project ID: G175-418

Analyzed By: MRC
Date Collected: 04/21/2004 16:20
Date Received: 04/22/2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	04/29/2004

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	10.4	104

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: [illegible]

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.011404.1

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 39998

Page 1 of 1

Client: CDM
Address: 5400 Glenwood Ave. Ste. 300
Address: Raleigh, NC
Quote #: 4266

Project ID: N Wake Unlined L.F.
Contact: Mat Colone
Phone: 919-787-5620
Fax: 919-781-5730

Date: 4/14/04
Turnaround: Standard
Job Number:
P.O. Number:

Report To: Mat Colone

Invoice To: Same

Sample ID	Date	Time	Matrix	Preservatives: HCL	HNO_3	NaOH ZnAc	H_2SO_4	Analyses: App I VOCs + OCDFM	App I Metals + Hg	bis(2-ethylhexyl) phthalate by 8270	Methane	Chloride, Sulfate Nitrate	CO_2	TOC	Sulfide	Ferrous Ion		Comments: Please specify any special reporting requirements
MW-24	4/14/04	1155	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		
MW-10	4/14/04	1300	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		-Provide EDD
MW-9	4/14/04	1420	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		
MW-6	4/14/04	1510	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		G175-415
MW-5	4/14/04	1600	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		
MW-8	4/14/04	1640	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		
TB-1A	4/14/04	1745	W	✓	✓	✓	✓	3	1	1	2	1	1	1	1	1		

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Required
Daniel Folks	4/14/04	1805	[illegible]	4/15/04	1005	2.5°C 3.5°C	NC X SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. Certification #481 S.C. Certification #99029

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Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 40000

Page 1 of 1

Client: CDM
Address: 5400 Glenwood Ave. Ste. 300
Address: Raleigh, NC 27612
Quote #: 4266

Project ID: NWake Unlined L.F.
Contact: Mat Colone
Phone: 919-787-5620
Fax: 919-781-5730

Date: 4/26/04
Turnaround: Standard
Job Number:
P.O. Number:

Report To: Mat Colone
Invoice To: Same

Sample ID	Date	Time	Matrix	Preservatives: HCL	Preservatives: HNO_3	Preservatives: Ice		Analyses: Appendix I Voc's + OCOFM	Analyses: Appendix I Metals + Hg	Analyses: bis-2Ethylhexyl phthalate-8270								Comments: Please specify any special reporting requirements
MW-23	4/26/04	1050	W	✓	✓	✓		3	1	1								
MW-23d	4/26/04	1045	W	✓	✓	✓		3	1	1								- Provide EDD
MW-10d	4/26/04	1215	W	✓	✓	✓		3	1	1								
MW-22	4/26/04	1205	W	✓	✓	✓		3	1	1								6175-420
MW-27	4/26/04	1425	W	✓	✓	✓		3	1	1								
MW-28	4/26/04	1325	W	✓	✓	✓		3	1	1								
MW-28d	4/26/04	1410	W	✓	✓	✓		3	1	1								
MW-29d	4/26/04	1505	W	✓	✓	✓		3	1	1								

Relinquished By	Date	Time	Received By	Date	Time	Temperature
[signature]	4/26/04	1530	[signature]	4/27/04	1000	0.1°C, 1.8°C

NC X SC ____ Other ____

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Chain-of Custody Record & Analytical Request

COC# 40016

Page 1 of 1

Client: CDM
Address: 5400 Glenwood Ave. Ste. 300
Address: Raleigh, NC 27612
Quote #: 4266

Project ID: N Wake Unlined L.F.
Contact: Mat Colone
Phone: 919-787-5260
Fax: 919-781-5730

Date: 4/28/04
Turnaround: Standard
Job Number:
P.O. Number:

Report To: Mat Colone
Invoice To: Same

[illegible]	[illegible]	[illegible]	[illegible]	Preservatives: HCL	HNO3	Ice		Analyses: Appendix I VOC's + DCDFM	Appendix I Metals + Hg	bis-2Ethylhexyl phthalate - 8270								[illegible]
MW-30	4/28/04	1000	W	✓	✓	✓		3	1	1								- Provide EDD
TB-1A Deep	4/28/04	1055	W	✓	✓	✓		3	1	1								
MW-32	4/28/04	1135	W	✓	✓	✓		3	1	1								G175-421
MW-31	4/28/04	1210	W	✓	✓	✓		3	1	1								
MW-31d	4/28/04	1310	W	✓	✓	✓		3	1	1								

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[signature]	4/28/04	1330	Marvin Diaz	4/29/04	10.00	+2.2	NC X SC ____ Other ____

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Chain-of Custody Record & Analytical Request

COC# 39999

Page 1 of 2

Client: CDM
Address: 5400 Glenwood Ave. Ste. 300
Address: Raleigh, NC 27612
Quote #: 4266

Project ID: NWake Unlined L.F.
Contact: Mat Colone
Phone: 919-787-5620
Fax: 919-781-5730

Date: 4/21/04
Turnaround: Standard
Job Number:
P.O. Number:

Report To: Mat Colone
Invoice To: Same

[illegible]	[illegible]	[illegible]	[illegible]	Preservatives: HCL	HNO3	Ice		Analyses: Appendix I VOC's + OCDFM	Appendix I Metals and Hg	bis-2Ethylhexyl phthalate-8270		Appendix I VOC's	Appendix I Metals					[illegible]
MW-11	4/21/04	1000	W	✓	✓	✓		3	1	1								- Provide EDD
MW-11d	4/21/04	1050	W	✓	✓	✓		3	1	1								- MW-11 and MW-11d are part of the NWake Lined L.F.
EQ-Blank	4/21/04	1100	W	✓	✓	✓						3	1					
MW-7	4/21/04	1145	W	✓	✓	✓		3	1	1								
MW-8d	4/21/04	1235	W	✓	✓	✓		3	1	1								G175-418
MW-33	4/21/04	1315	W	✓	✓	✓		3	1	1								
MW-5R	4/21/04	1510	W	✓	✓	✓		3	1	1								
MW-34	4/21/04	1500	W	✓	✓	✓		3	1	1								
MW-34d	4/21/04	1455	W	✓	✓	✓		3	1	1								
DUP	4/21/04	—	W	✓	✓	✓		3	1	1								

Relinquished By	Date	Time	Received By	Date	Time	Temperature
[signature]	4/21/04	1700	[signature]	4/22/04	1220	0.4, 1.48

State Certification Requested: NC X SC ____ Other ____

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Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 40017

Page 2 of 2

Client: COM
Address: 5400 Glenwood Ave. Ste. 300
Address: Raleigh, NC 27612
Quote #: 4266

Project ID: N Wake Unlined L.F.
Contact: Mat Colone
Phone: 919-787-5620
Fax: 919-781-5730

Date: 4/21/04
Turnaround: Standard
Job Number:
P.O. Number:

Report To: Mat Colone
Invoice To: Same

[redacted]	[redacted]	[redacted]	[redacted]	[redacted] HCL	HNO3	Ice		Appendix I VOCs + 8260FM	Appendix I Metals + Hg	bis-2(ethylhexyl) phthalate - 8270		Appendix I VOCs						[redacted]
MW-6d	4/21/04	1620	W	✓	✓	✓		3	1	1								- Provide EDD
Trip Blank	—	—	W	✓		✓						2						
MW-35	4/21/04	1715	W	✓	✓	✓		3	1	1								G175-418

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Jamil Forbes	4/21/04	1705	Julie Johnson	4/22/04	1220	0.4, 1.4

NC X SC ____ Other ____

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